

The logo for UC2B is contained within a blue-bordered square. At the top of this square, the letters "UC2B" are written in a blue, sans-serif font. Below the text, the square is divided into a grid of rectangular sections by orange lines. The top section is a single large rectangle. Below it, the space is divided into three columns. The middle column is the widest and contains three horizontal orange lines, creating four stacked rectangular cells. The left and right columns are narrower and each contains one large rectangular cell.

UC2B






Urbana-Champaign  
Big Broadband  
Below & Above Ground  
NTIA BTOP Applications

August 20, 2009





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Combined Letters of Support
- 435  Above Ground  
Combined Attachments

Items submitted with more than one application are only provided here once.



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UC2B

Urbana-Champaign  
Big Broadband  
Infrastructure

Answers to NTIA On-Line Forms



**Broadband Infrastructure Application  
Submission to RUS (BIP) and NTIA (BTOP)**

<b>Submitted Date:</b> 8/20/2009 4:17:28 PM	<b>Easygrants ID:</b> 1724
<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program	<b>Applicant Organization:</b> Board of Trustees of the University of Illinois
<b>Task:</b> Submit Application - Infrastructure Programs	<b>Applicant Name:</b> Ms. Kathy Young

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## A. General Application Information

1. Applicant Information	
1-A. Name, Address, and Federal ID for Applicant	
<b>i. Legal Name:</b>	Board of Trustees of the University of Illinois
<b>ii. Employer/Taxpayer Identification Number (EIN/TIN):</b>	376000511
<b>Street 1:</b>	Office of Sponsored Programs & RA
<b>Street 2:</b>	1901 S First St, SUite A
<b>City:</b>	Champaign
<b>County:</b>	Champaign
<b>State:</b>	IL
<b>Country</b>	United States
<b>Zip/Postal Code:</b>	61820-7406

1-B. Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
<b>Prefix:</b>	Ms.
<b>First Name:</b>	Kathy
<b>Middle Name:</b>	
<b>Last Name:</b>	Young
<b>Suffix:</b>	
<b>Telephone Number:</b>	217-333-2187
<b>Fax Number:</b>	217-239-6830
<b>Email:</b>	smeltzer@illinois.edu
<b>Title:</b>	Director



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<b>1-C. Other Required Identification Numbers</b>	
<b>i. Organizational DUNS:</b>	04-154-4081
<b>ii. CCR # (CAGE):</b>	4B808
<b>iii. Funding Opportunity Number:</b>	1
<b>iv. Catalog of Federal Domestic Assistance Number:</b>	<b>BTOP CFDA Number:</b> 11.557 <b>BIP CFDA Number:</b> 10.787 <b>BTOP CFDA Title:</b> Broadband Technology Opportunities Program <b>BIP CFDA Title:</b> Broadband Initiatives Program

**1-D Eligible Entities**

Please classify your organization. (Note: If there are multiple organizations involved in the project, designate the lead applicant that would enter into a Loan or Grant agreement with the Agency and assume operational and financial responsibility should an award be made). **Local, State, or Other Government Entity**

**1-E. RUS Borrower Status**

No

**1-F. Applicant Federal Debt Delinquency Explanation**

Is the Applicant Delinquent On Any Federal Debt? **No**  
**Federal debt delinquency Explanation:**

**2. Project Description & Project Title**

**2-A. Project Title:** Urbana-Champaign Big Broadband - Below Ground (UC2B Middle Mile & Last Mile Infrastructure)

**2-B. Project Description:** UC2B is an intergovernmental consortium of the University of Illinois and the cities of Urbana and Champaign providing fiber-optic broadband connectivity to the community's anchor institutions, fiber-to-the-home connectivity in underserved neighborhoods, improved access/support to public computing centers, and a sustainable adoption and educational outreach program for vulnerable populations.



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**3. Application ID for Multiple Submissions for Identified Service Areas:**

There are three linked submissions from the Urbana-Champaign Big Broadband Consortium. They inform and enable each other and provide an integrated solution for the Identified Service Area.

BTOP Infrastructure:  
Urbana-Champaign Big Broadband - Below Ground (UC2B Middle Mile & Last Mile Infrastructure)

BTOP Public Computing Center:  
Urbana-Champaign Big Broadband - Above Ground PCC (UC2B Public Computing Centers)

BTOP Sustainable Broadband Adoption:  
Urbana-Champaign Big Broadband - Above Ground SA (UC2B Sustainable Broadband Adoption)

**4. Rural Area Determination**

At least 75 percent of the proposed service area to be funded falls within rural areas that are unserved or underserved.  
**No**

**5. Applications for Rural Areas:** Please choose the funding program(s) to which you are submitting this application.

- a) BIP broadband infrastructure category to which you are applying:
  
  
- b) Would you like this Application for Rural Areas to also be considered for BTOP funding?
  
  
- c) BTOP Infrastructure category for which you are applying.

**6. Applications for All Other Areas:** Per the NOFA, all applications to fund broadband infrastructure projects in areas that are less than 75% rural must be submitted to NTIA for consideration under BTOP.

BTOP broadband infrastructure category to which you are applying: **Middle Mile**



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## B. Eligibility Factors

### 7. Application Submission

#### BIP and BTOP Factors Selected By Applicant:

Applicant has submitted a completed application and provided all supporting documentation required for the application.

The Project will be substantially complete within 2nd year from the award date, and the project will be fully complete by the end of the 3rd year from the award date.

For projects seeking more than \$1 million funding, the Applicant agrees to submit a certification, from a Professional Engineer, that attests that a) the system will deliver the stated performance; and b) the projected project will be substantially completed within two years, and fully completed within three years.

The Applicant provides two-way data transmission with advertised speeds of at least 768 kbps downstream and 200 kbps upstream.

Applicant understands and agrees to comply with the nondiscrimination and interconnection obligations outlined in the NOFA.

If applying for a last mile Broadband Infrastructure project, applicant understands and agrees to comply with the last mile coverage obligations as outlined in the NOFA.

#### Additional Factors for BIP Selected By Applicant





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<p><b>Additional BTOP Factors Selected By Applicant</b></p> <ul style="list-style-type: none"> <li>• <b>Conformity with Statutory Purposes</b></li> <li>• <b>Cost Sharing/Matching</b></li> <li>• <b>Reasonableness of Project Budget</b></li> </ul>
The project advances at least one of the statutory purposes for BTOP
Applicant has provided documentation that the project would not have been implemented during the grant period without federal grant assistance.
Applicant has provided a budget that is appropriate to the proposed technical solution and only includes eligible costs.

- **Demonstration the Project Could not be Implemented But For Federal Grant Assistance**  
Applicant is providing matching funds of at least 20 percent towards the total eligible project costs?  
Yes

<b>7-k. Cost Sharing/Matching Fund Explanation</b>

## C. Executive Summary

### Executive Summary of Project for BIP and BTOP:

#### 8. Infrastructure Projects Executive Summary

Although the University of Illinois at Urbana-Champaign has an international reputation for technology leadership and innovation, within a half-mile of the campus are neighborhoods where the promise of information technology has yet to be realized. Through a three-pillar



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approach, the Urbana-Champaign Big Broadband (UC2B) Consortium seeks to leap frog the most vulnerable populations in our community to the head of the technology line with fiber-optic Big Broadband connectivity. We see the three proposals as both individually and collectively necessary, as they complement each other in many ways.

While this proposal is primarily a Middle Mile project, it has a Last Mile, Fiber-to-the-Home (FTTH) pilot project component. The proposed funded service area for this Middle Mile fiber-optic project is the community surrounding the University. In addition to the cities of Urbana and Champaign, the service area also includes portions of Champaign County and the Village of Savoy.

The Urbana-Champaign community has a rich history of making computing facilities available to the public. The Don Moyer Boys and Girls Club, the Bethel A.M.E. Church, the Independent Media Center and three local library facilities all have heavily used computer labs. However budgets have not kept up with demand for computer access and for bandwidth.

The users of these and other public computing facilities deserve and require technology and bandwidth on par with what students and staff at the University take for granted. At this time, in our Age of Information, many necessary services are only available to those with access to adequate computer and networking resources: jobs require online application, payroll, benefits, banking information are on-line, healthcare resources are on-line, and the list will continue to grow.

The UC2B Public Computing Center proposal is half of our "Above Ground" proposals, and the second pillar in the suite of UC2B proposals. It will address the human and technology needs for Public Computing Centers, while this Middle Mile proposal will economically deliver fast public Internet bandwidth that is guaranteed for the next five years.

The third pillar of the UC2B set of proposals is for a Sustainable Broadband Adoption program in our vulnerable communities. The University of Illinois has long sponsored programs in the local community and throughout the state to help span the digital divide. In the early days of the Internet, many Champaign County residents of all income levels were first exposed to the Internet and email via a free-dial-up account on Prairienet, the groundbreaking public Internet service sponsored by the University. Throughout the last decade, the National Center for



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Supercomputing Applications (NCSA) - where the Mosaic web browser was created - has sponsored national and local educational outreach programs for k-12 students, teachers, and administrators.

The UC2B Sustainable Broadband Adoption proposal provides the opportunity for educators and researchers from the University to collaborate with clergy and with other community leaders to craft an education program that will ensure that no citizen lacks the skills necessary to participate in a digital society. Equipped with the newly acquired skills, potentially 2,500 underserved households within the community will be served for decades to come as a result of the FTTH component of the UC2B Middle Mile proposal.

This brief overview of the two additional UC2B proposals illustrates how we intend to build upon the work defined by this proposal - the UC2B Middle Mile Below Ground proposal. The remainder of this discussion will detail this proposal.

The proposed funded service areas include:

- The entire UC2B Below Ground project including Middle Mile and Last Mile: 110 contiguous census block groups in Urbana, Champaign and Savoy.
- Four Last Mile (Fiber-to-the-Home) service areas: Eleven total census blocks spanning Urbana and Champaign
- One service area comprised of eight contiguous census block groups
- Three service areas comprised of single stand-alone census block groups

We are in active discussions with four potential providers of Internet Protocol (IP)-based services over the UC2B FTTH system. While some providers are only interested in delivering Internet bandwidth, other providers are interested in Internet as well as television and phone services. We fully expect the households and businesses in the proposed service area to have competitive service plan options from commercial providers. Letters of support from two of those providers are attached in our collection of supporting letters.

Thanks, in part, to a donation of \$60,000 per year for five years by the University's Office of the Vice Chancellor for Public Engagement, we will purchase public Internet bandwidth in Chicago at wholesale rates and transport it to this community with unused capacity on the University's fiber network, ICCN, which links its three campuses in Chicago, Springfield and Urbana-Champaign. As a result, we will offer a consortium-provided "Community Network



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Service" (CNS) for households that fall below a certain income threshold. The UC2B CNS will provide 5 Mbps of symmetrical bandwidth to the public Internet and 100 Mbps of "on net" connectivity to the targeted low income households and to all of the Critical Institutions at a monthly cost of \$19.99.

The UC2B Network will be an open access network and will actively seek multiple providers of IP-based services. Our interconnection and non-discrimination policies will go beyond the minimum obligations desired by the Federal Communications Commission and NTIA. They are already posted at: [www.UC2B.net](http://www.UC2B.net)

The University of Illinois has long maintained a local peering point referred to as "CMI-Hub" (named after the FAA designation for our local airport.) ISP's are able to peer with each other and with the University at the CMI-Hub via BGP4 protocols. The performance and cost efficiencies brought about by local peering are substantial. The network design for the UC2B Network will allow all ISP's to peer at layer 3 while serving their customers on the UC2B fiber infrastructure via layer 2.

The UC2B Network will be an all IP network. We believe that IP will continue to be the foundation of all telecommunications and that over the next two decades more services will be developed and offered across IP-based infrastructure. The specific technology we have chosen for the delivery of IP services to homes and businesses is a Wave Division Multiplexed Passive Optical Network (WDM-PON.) This technology has already been commercially deployed in countries such as South Korea, where residents served by WDM-PON enjoy much faster speeds at much lower costs than what Americans typically have available.

WDM-PON provides many of the cost and operational savings of a Gigabit Passive Optical Network (GPON) and its many variants, but offers a single solution that is both secure and scalable on a customer-by-customer basis. In order to have a sustainable business model while primarily serving low-income households, we realize reducing complexity and operating expenses is an important factor. We believe WDM-PON offers our community a technology that we will not outgrow for decades at a reasonable cost per subscriber. Future customer electronic refreshes will be able to increase capacity without the need to change central equipment.



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The total cost of this proposal is \$31.2 million, which covers the cost of the Middle Mile and Last Mile fiber infrastructure, the WDM-PON electronics at both ends, and the routers, switches and other systems needed to design and install the infrastructure, maintain and support the framework, and to facilitate or provide the services utilizing the infrastructure.

The UC2B Last Mile network will make fiber-to-the-home a possibility for up to 4,650 households and 218 businesses. Due to the subsidized cost of residential installation and the subsidized UC2B Internet service, we expect higher than typical residential adoption rates. By the end of the three years, we project 54% residential adoption and 29% business adoption.

The construction phase of the UC2B Middle Mile project will require thirteen 3-person crews to build the seven fiber rings and the fiber to the curb over 12 months spread over the 2010 and 2011 fiber construction seasons. The final phase of bringing fiber from the curb to the home and installing the household electronics will require another 6 crews of three people each, which will also be working for 12 months spread over the two years. Operationally, this infrastructure will require 2 full-time networking professionals, and 6 full-time help-desk / customer service employees. 59 jobs will be created during construction, with at least 8 jobs continuing through operations.

**Description of BTOP Project Purpose (BTOP Applicants Only Next Three Questions)**

**9. BTOP Statutory Purpose:**

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Provide improved access to broadband service to consumers residing in “underserved” areas of the United States.
Provide broadband education, awareness, training, access, equipment, and support to schools, libraries, medical and healthcare providers, community colleges and other institutions of higher education, and other community support organizations by or through these organizations.
Provide broadband education, awareness, training, access, equipment, and support to organizations and agencies that provide outreach, access, equipment and support services to facilitate greater use of broadband service by low-income, unemployed, aged, and otherwise vulnerable populations.
Provide broadband education, awareness, training, access, equipment, and support to job-creating strategic facilities located within a defined economic zone, or community as designated by a State authority, Department of Commerce , HUD or USDA.
Improve access to, and use of, broadband service by public safety agencies.
Stimulate the demand for broadband, economic growth, and job creation.

**10. Description of BTOP Project Purpose:**

The "Above Ground" and the "Under Ground" Urbana-Champaign Big Broadband (UC2B) proposals address the following statutory objectives of the BTOP program:

- Improved broadband service in "under served areas".
- Broadband education, awareness, training, access, equipment and support to schools, libraries, medical and healthcare providers, higher education institutions, and other community support organizations.
- Equip outreach agencies with tools and knowledge to facilitate greater use of broadband service by vulnerable populations.
- Empower job-creating strategic facilities with broadband tools and knowledge.
- Improve access to and use of broadband service by public safety agencies
- Stimulate the demand for broadband, economic growth, and job creation.

Since the ARRA became law, faculty and staff from the University of Illinois, city staff members from Urbana and Champaign, and a host of community leaders and volunteers have





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been meeting to discuss how community Big Broadband may address many of the historical technological, social and economic inequalities in our community. These meetings clearly revealed many efforts already moving toward an advanced community network infrastructure and a high level of readiness for immediate action.

In three public forums with scores of attendees, we listened to a wide spectrum of the community and heard a lot of different thoughts about broadband availability and what the community's definition of broadband should be. Ideas included the need for better connectivity for our "Critical Institutions", the need for more public computing centers, and the need for education and training to assure that the most vulnerable among us were equipped with the knowledge and the skills to use broadband to its fullest advantage.

The initial vision for UC2B was that it would be a single comprehensive grant proposal that addressed all of the above and more. For good reasons, the NOFA required us to subdivide our plans into "Above Ground" and "Below Ground" proposals, but intellectually and financially the three UC2B proposals are interlaced. Part of the revenue from the Middle Mile and Last Mile services detailed in this proposal will fund and provide sustainability for the Public Computing Centers and the Sustainable Adoption program after the BTOP grants have ended.

This specific proposal is designed to provide 100 Mbps connectivity to more than 135 Critical Institutions in the greater Urbana-Champaign community, which includes the Village of Savoy and parts of Champaign County. (Throughout this application we will use the term "Critical Institutions" from Attachment H to refer to all Anchor Institutions, Public Safety agencies, Public Computing Centers, Schools, Libraries and Senior activity/living centers.)

This proposal gets its strength not only from the fiber rings and advanced WDM-PON technology we seek to deploy, but also from the training and the education that will be made possible by the linked UC2B Sustained Adoption proposal. The 47 public computing centers funded by the UC2B Public Computing Center proposal will get their Internet connectivity from the fiber rings constructed by this proposal. The sum of these three proposals is greater than the individual parts.

Critical Institutions that will benefit from the UC2B Middle Mile fiber rings include: 30 public schools, 8 private schools, 3 public libraries, a Boys' and Girls' club, a Job-Training Center, an



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Adult Education facility, three hospitals, multiple clinics, the U-C Independent Media Center, Parkland College, and the University of Illinois.

Letters of support from the numerous agencies that work with vulnerable populations throughout the communities are included in this application package. The Office of the University's Vice Chancellor for Public Engagement generously donated \$60,000 per year for five years to purchase one Gbps of public Internet bandwidth at wholesale rates. This enables the UC2B Community Network to be a source for economical, high-performance, fiber-based Big Broadband to more agencies in the community that work with low-income families, single mothers, the young, and the old. Coupled with that connectivity will be training and other resources in the form of the traveling "cybernavigators" that are described in the UC2B Sustainable Adoption proposal.

The UC2B Last Mile network, a WDM-PON fiber-to-the-home (FTTH) pilot, will invest in underserved areas of town that private telecommunications providers tend to pass by with new technology. The vulnerable populations, where benefit is maximized, will not only be the first in the community to have the advanced technological capabilities but will also have educational opportunities available via the 47 public computing centers that will be funded by the UC2B Public Computing Centers proposal.

Public safety will be improved by connecting city and rural volunteer fire stations as well as the University-owned Willard Airport (CMI) to other local safety agencies via the fast, reliable and redundant fiber-based network. This application includes a letter of support from METCAD, which is the PSAP for Champaign County.

We have found some unexpected partners with unexpected uses for Big Broadband. The Champaign-Urbana Mass Transit District (CU-MTD) operates an award-winning bus system throughout the community. The CU-MTD has provided part of the UC2B local matching funds, because they want to connect to the main off-campus bus shelters, so they can provide up-to-date information on when a particular bus will arrive. Additionally they plan to install security cameras in the bus shelters to increase the safety of their riders. The CU-MTD is about to deploy this system in their campus area shelters, and UC2B will allow them to expand these services throughout the community.





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At the campus bus shelters, the University is also providing campus Wi-Fi access for the convenience of students, faculty, and staff. As UC2B fiber is built out to the community bus shelters, the UC2B will work with the CU-MTD to make Wi-Fi coverage available in those shelters as well.

Another unexpected investor in UC2B services is our local sanitary district. The Urbana-Champaign Sanitary District (UCSD) operates two main waste treatment plants at opposite corners of the community and a number of pumping stations. Keeping the pumping stations synchronized with the treatment plants has typically required dedicated T-1's or dial-up circuits that have not always been adequate. UC2B fiber connectivity will bring necessary bandwidth to the two treatment plants and 7 primary pumping stations. UCSD's plans for using fiber give an entirely new meaning to "Critical Institution" and are another example of how the local community has already recognized the potential that UC2B can deliver.

The established association between the University and NTIA is extensive. Notably, the digital archives of NTIA's original TOP program are housed at the University's Graduate School of Library Science (GSLIS). The UC2B Project will preserve this affinity and will produce an educational model. University students and scholars are already studying and documenting the successes and lessons learned so that this model can be disseminated and improved upon in any community in the United States.

The WDM-PON technology that we are proposing is new, but well established outside of the United States. Every other community we have talked to about our project has told us that they are considering it for their communities. We foresee organizations from around the country converging on this community to see how well WDM-PON has met our needs and to learn from our experiences. We welcome and encourage that. The fundamental purpose of the University is to not only create and share knowledge, but to provide vehicles to expand education. Big Broadband will be one of those vehicles.

**11. BTOP Enhanced Services for Health Care Delivery, Education, and Children:**

Within the UC2B Middle Mile proposed funded service area are two regional hospitals with 433 total beds, eight multi-specialty medical clinic facilities, and a public health center that provides care to low-income families. The low-income residents who live in the Last Mile proposed funded service area, do not typically turn to broadband technology for assistance with health issues, because up until now broadband technology has not been available at affordable



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rates.

The UC2B Community Network Service will change that equation. Network-connected remote diagnostic equipment will be feasible. High definition network-connected web cams will allow patients and medical staff to bridge physical space constraints for consultations. Even the lowest income patient on the UC2B Community Network will have a 100 Mbps connection to these medical facilities. Carle Hospital has embraced this value, as evidenced in their letter of support, and are developing plans to utilize this enhanced connectivity to better serve their patients at lower costs. As more and more of the community become connected, medical organizations will also expand their broadband-based capabilities.

Public school students from the lowest economic background in our community live in the proposed Last Mile FTTH service area. Broadband will level the field in the classroom, and will enable our high school graduates to access more opportunities. Teachers and students will utilize innovative broadband-dependent communications technologies in ways we are only beginning to imagine, but that we are poised to explore, test and deliver.

The University's Community Informatics Initiative sponsors the Youth Community Informatics program for community disadvantaged youth to explore how informatics can and does impact them, their schools, their homes, and the community. This group has been meeting and producing community-based projects for nearly two years and are thus prepared and qualified to lead the way. The enhanced teacher-to-student and teacher-to-parent communication via broadband will be a tremendously positive development.

The proposed UC2B Middle Mile plan connects 38 public and private elementary, middle and high schools. Because of the "schools of choice program", Champaign students could attend a neighborhood school or they could attend a school several miles across town. Every school in the community will be connected to the UC2B Community Network Service via the UC2B Middle Mile proposal. With inexpensive web cams, schools can offer interactive help with homework directly to students living in the proposed Last Mile service area, a service that is increasingly being seen as a necessity given the mounting concerns over likely absences due to the potential H1N1 flu pandemic.

Also, the University has plans to build a "TeacherTube"-like searchable and bookmarkable



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repository of HD video-based educational objects. Providing such high quality resources over the community broadband network will change both formal and informal education by providing broadcast quality video resources, free and available anywhere on the network--- school, libraries, community centers, home, or hotspots.

The local Public Broadcasting affiliate, WILL-TV-AM-FM, which currently streams its AM and FM radio stations over the public Internet, has committed to streaming its four digital television signals over the UC2B Community Network. Through programs offered by the Public Broadcasting Service, WILL-TV will provide access to a growing library of archives from 40-plus years of local and national PBS programming on-line. Full programs in High Definition, and short segments as searchable and reusable Learning Objects, will be available on demand. Additional multimedia materials, which have never before been broadcast will be available on-line and will enable teachers to find essential video segments, images, or audio clips for any given lesson.

## **D. Proposed Funded Service Area**

### **12. Proposed Funded Service Area Maps:**

**12-A.** Service Area Map (Reference Number): **CF63-2C41-41F2-9328**

**12-B.** Is the applicant is seeking a waiver for providing less than 100% coverage of a census block. **No**

### **13. Proposed Funded Service Area (BIP - Last Mile Projects):**

Please refer to section M at the end of document.

### **14. Proposed Funded Service Area (BTOP - Middle Mile Project):**

Please refer to section M at the end of document.

### **15. Non-Funded Service Area( BIP Only):**

### **16. Coverage Waiver:**

Applicant is seeking a waiver for providing less than 100% coverage of a census block.

**No**

For Response of "Yes" please refer to upload section for additional supporting documentation.



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**17. Methodology for Area Status:**

Champaign-Urbana Community Internet Survey, 2009  
Methodology Report

**Introduction**

The Champaign-Urbana Community Internet Survey, 2009 was conducted to estimate the number of households that have broadband Internet access in certain areas of the cities of Champaign and Urbana, Illinois.

The target population for the survey was defined to be all occupied housing units in each of 38 census block groups identified based upon characteristics of lower socioeconomic status. A random sample of household addresses stratified by block group was selected, and face-to-face interviews were conducted with adult residents who were located and willing to participate.

**Sampling Frame**

Data files containing all street addresses within the 38 pre-identified block groups were obtained from information technology personnel for the cities of Champaign and Urbana. Duplicate records and non-residential addresses were removed. Residential addresses were identified by county property codes.

**Face-to-face Interview Survey Methodology**

A fourteen-question survey instrument was developed jointly by stakeholders in the project. Selected households were mailed letters prior to receiving first contact by interviewers in the field. Face-to-face interviewers were trained in standard interviewing techniques and procedures. Most interviews were conducted in English, but a subset of interviewers was trained to conduct interviews in Spanish. Face-to-face interviews were conducted between July 29 and August 1, 2009. Cases were rotated through a maximum of three visit attempts on different days at different times of day.

**Weighting**

Weights were calculated to adjust for unequal selection probabilities and non-response. Also, the frame total for each stratum was adjusted by the final estimated eligibility rate for each stratum. Two final weights, in units of households, were constructed: one summing to the population estimate, and one summing to the completed sample size.



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### 18. Middle Mile Benefits

The attached maps shows the UC2B Middle Mile proposed funded service area (shaded in light blue) and the Last Mile (fiber-to-the-home pilot) project in the underserved census block groups (shaded in yellow). The Middle Mile proposed funded service area, which includes 137 "Critical Institutions", can best be described as all of Champaign and Urbana, Illinois with additional small portions of Champaign County and the Village of Savoy.

The Champaign County 2000 Census Tract Block Groups that make up the Middle Mile proposed funded service are: 1-2, 1-2, 1-3, 1-4, 2-1, 2-2, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 5-1, 5-2, 5-3, 5-4, 6-1, 6-2, 6-3, 6-4, 7-1, 7-2, 7-3, 8-1, 8-2, 9.01-1, 9.01-2, 9.01-3, 9.02-1, 9.02-2, 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 11-1, 11-2, 11-3, 11-4, 12.01-1, 12.01-2, 12.01-3, 12.01-4, 12.03-1, 12.03-2, 12.03-3, 12.03-4, 12.04-1, 12.04-2, 12.05-1, 12.05-2, 12.06-1, 12.06-2, 13.01-1, 13.01-2, 13.01-3, 13.01-4, 13.01-5, 14-1, 14-2, 51-1, 52-1, 52-2, 52-3, 53-1, 53-2, 53-3, 53-4, 53-5, 54-1, 54-2, 54-3, 54-4, 54-5, 54-6, 54-7, 54-8, 55-1, 55-2, 55-3, 55-4, 55-5, 55-6, 55-7, 56-1, 56-2, 56-3, 56-4, 56-5, 57-1, 57-2, 57-3, 57-4, 57-5, 57-6, 58-1, 58-2, 58-3, 58-4, 58-5, 58-6, 59-1, 59-2, 59-3, 50-4, 60-1, 60-1, 60-2.

The UC2B Community Network Service will offer public Internet access to low-income families connected to the UC2B Network via the Last Mile FTTH project. The Middle Mile project interconnects homes in the 11 census block groups where FTTH will be initially offered with the "Critical Institutions", which includes anchor institutions, schools, public safety agencies, libraries, senior living facilities and more.

The UC2B Network, which includes both the Middle Mile and Last Mile networks, will utilize the same WDM-PON technology. Thus, a "Critical Institution" directly connected to one of the seven Middle Mile fiber rings can receive the same services or even connect directly to another "Critical Institution" that is located in the Last Mile service area.

The primary benefactors of the UC2B Middle Mile network will be the clients and patrons of the 137 Critical Institutions that will be connected to Big Broadband. Attached to this application are dozens of wonderful letters of support from organizations that support youth, battered women, senior citizens, people with disabilities and a host of minority populations. They all understand the importance of having access to Big Broadband in their community centers and where they live. Because UC2B has both above Ground and Below Ground



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components, they see the opportunity for lasting change in their communities.

Schools are Critical Institutions, and the Illinois Century Network (ICN), a state agency providing public Internet services to public institutions, has many educational subscribers in this community and also has a major Point of Presence (POP) on the University campus. Unit 4 schools in Champaign and Unit 116 schools in Urbana will be able to use UC2B fiber to facilitate direct Ethernet connections with ICN's routers in Scott Hall, which will enable better public Internet connectivity and will ultimately provide access to enhanced educational tools for 9,300 students in Unit 4 and 3,752 students in Unit 116.

METCAD is an intergovernmental agency that is the PSAP for Champaign County, handling 911 calls and dispatching first responders. METCAD has a radio system for contacting first responders and coordinating between various public safety agencies.

It becomes a public safety concern whenever that radio system fails. As the attached letter of support indicates, METCAD is eager to have increased reliability by way of the UC2B Middle Mile fiber, which will provide a back-up system for their critical radio towers. This level of availability is essential for all public safety entities as it could easily impact matters of life and death.

The Lincoln Trail Libraries System (LTLS) provides circulation services to 117 member libraries spread over 9 Illinois counties. Typically those member libraries transfer data to and from the LTLS office in north Champaign via ICN. Legacy T-1 circuits cannot deliver the current LTLS data needs. UC2B fiber will help LTLS in two ways.

First, LTLS will be able to use the UC2B Middle Mile fiber to connect directly via Ethernet to ICN. This alone will improve the responsiveness of the circulation systems in its 117 member libraries, most of which are outside the proposed funded service area, by eliminating the T1 bottleneck at the main facility.

Second, both the Urbana Free Library and the Champaign Public Library will be able to utilize UC2B fiber to make direct Ethernet connections to LTLS and move their traffic totally off the ICN link. By doing so, their data traffic will no longer be competing with inter-library traffic over congested links, which will impact thousand of users every week. This will also improve





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network performance for the patrons of the other 115 LTLS member libraries, for those two large libraries will not longer be contending for bandwidth on the LTLS ICN connection.

We have had preliminary discussions with 4 service providers about providing commercial services on the UC2B network. The two who have shown the most interest - Consolidated Communications - an ILEC, and Champaign Telephone Company - a CLEC have written letters of support that are included with this application.

## E. Proposed Service Offering

### 19. Broadband Service Offerings for Last Mile Project:

Please refer to upload section at the end of the document.

### 20. Service Offerings for Middle Mile Project:

Please refer to upload section at the end of the document.

## Competing Service Providers

### 21. Existing Broadband Service Providers and Services Offered:

Please refer to upload section at the end of the document.

## Non-Discrimination, Interconnection

### 22. Description of Network Openness:

UC2B: An Open Access Infrastructure

In accordance with FCC 05-151, the FCC's Broadband Policy Statement, UC2B will be a non-discriminatory, open access network where service providers can competitively provide services including, but not limited, to data and video. As a result, UC2B subscribers will have competitive options for accessing lawful Internet content, applications and services via devices of their choice.

The open access framework allows for small, local providers as well as the tier 1, global



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providers to deliver services and content without discrimination of traffic type or performance degradation resulting from traffic manipulation, to any UC2B subscriber. There will not be any performance advantages provided via traffic shaping for specific content or for a particular ISP.

Layer 2 network devices, which will aggregate service providers, create an economical, simple, and equal mechanism from which services & content can be offered. Additionally, Layer 3 network devices will provide peering opportunities for all UC2B providers, which ultimately save on bandwidth charges for all parties. The goal is to provide an economical, easily accessible path for service providers to deliver exceptional, competitive services to any UC2B subscriber.

Service providers (video, Internet, etc) connect to the UC2B infrastructure via Layer 2 aggregation switches. Each provider is assigned dedicated VLANs that facilitate the distribution of services to their respective subscribers. To assist service providers in cutting costs, Layer 3 (L3) peering routers will provide direct, "on-net" access between providers. In other words, for potential applications like distance learning or telemedicine, a subscriber of ISP #1 can access another entity subscribing to ISP #2 via L3 peering. In doing so, traffic sent "off-net" to the public Internet is reduced, which reduces bandwidth costs for participating ISPs and improves network performance for subscribers.

In summary, the UC2B infrastructure is an open access network based upon the following principles:

- \* UC2B Network subscribers will benefit from the innovation created through service provider competition.
- \* Providers of lawful Internet applications or content will not be discriminated against. All traffic will be neutrally routed regardless of origin or packet type.
- \* When choosing a service provider, UC2B Network subscribers should be able to make informed decisions. Thereby, all UC2B service providers will be required to display network management policies in a prominent location on their web page. UC2B's network management policies are already on-line at: [www.UC2B.net](http://www.UC2B.net)





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\* UC2B Network subscribers will have access to public Internet service offerings.

\* Providers can interconnect on the UC2B Network. This maximizes the service choices for UC2B Network subscribers.

By creating and enforcing an open access infrastructure, UC2B subscribers will benefit from maximized choice at competitive rates. Additionally, local and global service providers are given equal, non-biased opportunities to expand a subscriber portfolio, which in turn creates economic development momentum.

**Non-Discrimination and Interconnection (BTOP applicants only for next three questions)**

**23. Non-Discrimination Obligations (applicable to Last Mile and Middle Mile Applicants):**

Adhere to the minimum non-discrimination requirements as set forth in the NOFA.
Display the nondiscrimination practices in a prominent location on the service provider's web page, and provide notice to customers of changes to these policies.

**24. Interconnection Obligations (applicable to Last Mile Applicants):**

Adhere to the minimum interconnection requirements as set forth in the NOFA.
Display the interconnection policies in a prominent location on the service provider's web page, and provide notice to customers of changes to these policies.
Commit to offering wholesale access to the project facilities at reasonable rates and terms.
Commit to binding private arbitration of disputes concerning interconnection obligations.



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**25. Interconnection Obligations Middle Mile Applicants:**

Adhere to the minimum interconnection requirements as set forth in the NOFA.
Display the interconnection policies in a prominent location on the service provider's web page, and provide notice to customers of changes to these policies.
Commit to offering wholesale access to network components and services such as wavelength or fibers at reasonable rates and terms.
Commit to binding private arbitration of disputes concerning interconnection obligations.

**Cost Effectiveness and Affordability**

**26. Cost per Household (BTOP only):**

The UC2B Last Mile network will cover 65 miles passing 4650 households. The cost of providing fiber-to-the-curb (FTTC) is \$1,750 per household, which includes:

- Fiber, conduit and hand-holes - \$2,660,233
- Labor to install fiber, conduits, hand-holes, WDM-PON splitters - \$5,320,466
- WDM-PON splitters and Node electronics - \$156,800

The anticipated FTTH adoption rate is 54%, or 2500 homes. Extending fiber into the home costs an additional \$1,500 per home, which covers:

- Fiber and outdoor equipment - \$256,250
- Labor to install fiber, customer premise equipment - \$1,025,000
- Indoor wiring - \$768,750
- Electronics - \$1,700,000

Based upon the previously defined formulae, the cost to provide FTTH is approximately \$4755 per household:



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4650 households passed @ \$1,750 each = \$8,137,500  
2500 households connected @ \$1500 each = \$3,750,000  
Total UC2B FTTH cost = \$11,605,500  
Total cost per home (2500 homes) = \$4755

## 27. Affordability

Many different service offerings will be available on the UC2B Network. For Last Mile (LM) services, many UC2B subscribers will negotiate pricing directly with their ISP. For low-income households, a \$19.99 per month lifeline Internet service, the UC2B Community Network Service (UC2B CNS), will deliver 5Mbps symmetrical public Internet access and 100Mbps symmetrical access to all other UC2B-connected entities.

A survey of current local LM service providers revealed that there is no 5Mbps symmetrical service available. The closest service offering, which is 3Mbps downstream and 512Kbps upstream is \$30.00 per month. Therefore, the UC2B CNS will provide more connectivity at a more affordable price.

UC2B Middle Mile (MM) service offerings include port charges and bandwidth fees. A customer using an ISP would pay the ISP for the UC2B port charges plus whatever that ISP charges for the Internet bandwidth and any other supplied services. The ISP would then pay UC2B for the port charges for its customers.

Port Charges:

100Mbps - \$19.99 per month

1Gbps - \$39.99 per month

Bandwidth services for Private VLANs:

10MB - \$100 per month (includes the \$19.99 100Mbps Port Charge)

100Mbps - \$400 per month (includes the \$19.99 100Mbps Port Charge)

1Gbps - \$1,200 per month (includes the \$39.99 1Gbps Port Charge)

Note, "Critical Institutions" will only incur port charges as they will qualify for the UC2B CNS program.

Entities choosing to interconnect, like a main bank to a branch office, may do so utilizing the



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private VLANs. Public Internet access will be contracted directly with participating ISPs.

A survey of local MM providers revealed limited availability at significantly higher rates than proposed by UC2B. A typical example is a currently offered 100Mbps service at \$1,293 per month, which includes \$475 in port fees and an \$818 100Mbps Committed Information Rate (CIR).

A key no additional cost benefit that sets the UC2B service offerings apart from other providers is the "on net" concept. With both the LM and MM networks, subscribers may choose to purchase bandwidth packages from participating ISPs; however, regardless of the public Internet bandwidth purchased, the subscriber will have a minimum "on net" connection of 100Mbps. For example, students in households that purchase 5Mbps of public Internet access will have a 100Mbps entryway to education resources or to any "Critical Institution" on the UC2B Network. This is a benefit that is currently not offered by any other provider.

## F. Technology Strategy

### 28. Technology Type:

Wireline - Fiber-optic Cable

**Other:**

### 29. System Design

#### Overview

The UC2B Network infrastructure consists of new fiber installations including rings throughout the entire proposed Middle Mile funded service area, laterals to "Critical Institutions" and Fiber-to-the-Home connectivity in underserved neighborhoods. To avoid wayward vehicles, weather and rodent-related issues, all fiber will be buried.

WDM-PON is the technology selected to deliver services across the fiber infrastructure. WDM-PON, which is a new PON solution, delivers dedicated wavelengths to end-users. The



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benefit is that available bandwidth can easily grow without a forklift upgrade to the entire system. As enhanced optics become available, minimal equipment upgrades will allow this system to grow to 10 Gbps and beyond. This is a significant measure to ensure that the UC2B network remains relevant for twenty-plus years. The approximate equipment cost per connection with WDM-PON is \$750.

#### Last Mile

FTTH will be offered in the Last Mile proposed funded service areas. Each residential structure will be equipped with an Optical Network Terminal (ONT), which will terminate the fiber and provide connections for end-user devices, such as IP-TV set top boxes or computers. Fiber connecting the ONT to the FTTH network will be buried. Each FTTH service area will connect to the nearest 32-way WDM-PON splitter/filter device, which will be buried in an environmentally stable enclosure in a handhold.

#### Middle Mile

"Critical Institutions" will also utilize the WDM-PON infrastructure. Similar to a residential installation, an ONT will terminate the lateral fiber, which interconnects at the WDM-PON splitter in a handhold. Most residential and business connections will be 100Mbps. Connections will also be available at 1Gbps.

#### Interconnection Points

The design of the UC2B Middle Mile fiber rings and WDM-PON Last Mile Fiber-to-the-Home system allows for many Interconnection Points. If a provider or a customer can get to any one of the proposed 491 splice points on the 76-mile Middle-Mile conduit infrastructure, we will have enough fiber available to connect them to any other Interconnection Point on any of the seven rings, including the two nodes that will house the layer 2 and layer 3 core electronics. In fact, they will be able to redundantly connect to either node from any of the 491 Interconnection Points on any of the seven fiber rings.

Of those 491 Interconnection Points, 52 of them will be located in Last Mile underserved areas. Some 11% of all of the Interconnection Points on the Middle Mile infrastructure will be in underserved areas.

In those Last Mile underserved areas, there will 166 handholds where WDM-PON



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splitters/filters are housed. Each of those WDM-PON splitters/filter locations can also serve as an Interconnection Point for the network. Adding the 166 Interconnection Points in the Last Mile areas to the 52 Middle Mile Interconnection points in the underserved areas yields a total of 218 Interconnection points in underserved areas. Out of the 657 total Interconnection Points, the 218 in underserved areas work out to roughly 33%.

**Core**

Each splitter/filter in a handhold will connect to an Optical Line Terminal (OLT) WDM-PON device, which will be housed in one of two University Nodes, which are secure facilities with controlled environments and battery/generator backup power.

All of the OLTs will redundantly connect to two aggregation switches. Because the aggregation switches will be the core of the network, they will be chassis-based with high performance backplanes supporting standards-based protocols, high port density with 10 Gbps support availability, and redundant power supplies. These switches will also provide the centralized platform from which providers may offer services. Unique VLANs, without any sort of traffic prioritization, will be provisioned for each provider. Approximate costs for aggregation switches are \$85,000 each.

"Point-to-point" VLANs for private use will also be provisioned on the aggregation switches. For example, if a medical facility required private connection services between satellite facilities, a dedicated, private virtual link would be assigned.

For those entities requiring dedicated physical connections, dedicated fiber can be secured via IRU agreements with UC2B. A typical UC2B fiber IRU will have a twenty-year term and will include fiber costs along with annual fiber maintenance fees.

Each provider will also connect to redundant peering routers, which will cost \$150,000 each. The peering routers, which will also co-locate in one of two University Nodes, require high performance backplanes supporting standards-based protocols, ample memory to hold extensive routing tables, high port density with 10 Gbps support availability, and redundant power supplies. The objective is to maximize the traffic that remains "on net". By eliminating the need to use the public Internet, traffic traversing between service providers without leaving the UC2B network is utilizing "free bandwidth".



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**Community Network Service (CNS)**

To this point, all UC2B infrastructure and equipment discussed are currently non-existent. To ensure adequate yet affordable public Internet bandwidth availability for vulnerable populations, the UC2B CNS will leverage existing University assets and University funds to provide public Internet service for a minimum of five years. The University's Office of the Vice Chancellor for Public Engagement has contributed \$60,000 per year for five years to secure public Internet bandwidth in Chicago, which will be backhauled via the existing DWDM fiber network that interconnects the three University of Illinois campuses. Additional DWDM hardware is necessary to complete a dedicated lambda that will redundantly connect to a wholesale public Internet provider in Chicago. The approximate one-time cost of the additional DWDM hardware is \$197,000.

Transport services like what is proposed for UC2B CNS are costly. A survey of inter-lata transport services revealed an average monthly rate of \$3,500. To minimize startup costs and to facilitate the establishment of a customer base, the University suggests that the \$3,500/month transport fees serve as an in-kind operational contribution for 5-years.

In addition to DWDM gear, two "ISP" routers, at an approximate cost of \$125,000 each, will be required to serve as route points for the UC2B CNS. Like the peering routers, the CNS routers must have a high-performance backplane supporting standards-based protocols, ample memory, high port density with 10GB support availability, and redundant power supplies.

**Network Longevity**

The UC2B network infrastructure will bring value to our communities for decades. Constructing end-to-end connections with buried fiber is a lasting solution. Enabling the fiber to deliver services with WDM-PON electronics also lengthens the lifespan of the UC2B network. Upgrades for advanced capacity can easily be achieved by replacing optics rather than replacing all of the electronics. The switching and routing fabric that will be used also allows for growth with minimal equipment replacement.





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**30. Network Diagram:**

Please refer to upload section at the end of document.

**31. Certification by Professional Engineer:**

Please refer to upload section at the end of document.

**32. Buy American Waiver Request:**

Is the applicant seeking an individual waiver of the Buy American provision? **No**

**Buy American Waiver Request – Legal Justification**

**33. Choice of Service Provider:**

Does the project’s Infrastructure and the Company’s business plan allow more than one provider to serve end users in the proposed funded service area?

**Yes**

## G. Project Milestones and Completion Factors

### Timeline & Milestones

**34. Infrastructure Build-out Timeline:**

Please refer to upload section at the end of the document.

**35. Licenses, Regulatory Approvals and Agreements:**

The Urbana-Champaign Big Broadband (UC2B) Consortium's three founding members (the cities of Urbana and Champaign, and the University of Illinois) control 99% of the right of way that will be used to install the underground fiber-optic cable for this project. The Public Works directors from both cities and the Telecommunications Outside Plant manager for the University have been involved in the creation of the Consortium. We do not expect any issues





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with obtaining permission to use city or University right of way.

The Village of Savoy and Champaign County control the other 1% of the right of way that will be needed for the fiber conduits and manholes. Both the Village and the County are aware of this project and have provided letters of support, which are on pages 40 and 41 in the attached collection of letters for Question 41. In short, we do not anticipate any issues gaining permission to use the various rights-of-way the Consortium will need.

The UC2B Middle Mile fiber does however cross three separate sets of railroad tracks a total of 13 times and two different Interstate highways a total of 10 times. Our construction manager has built fiber plant throughout the State of Illinois and specifically in Urbana and Champaign for both cable TV and telephone companies, and has successfully acquired the appropriate permits for all of those fiber construction projects. We anticipate similar success with UC2B.

While we do not underestimate neither the difficulty of obtaining railroad permits nor the length of time it could take, we only need four railroad permits to be able to turn up our first two rings and provide services to the first-year fiber-to-the-home customers. We will concentrate our efforts on those four crossings and will file the permit requests the week after we learn of NTIA funding.

We do not anticipate using any aerial fiber, so pole attachments should not be an issue for this project.

The City of Urbana, the City of Champaign, the University and the State of Illinois have all pledged money and support for this project. Based on that support and financial commitments, we believe that we will be able to acquire whatever approvals we need to complete this project in a timely manner.

### **36. Construction and Vendor Contracts**

The Urbana-Champaign Big Broadband (UC2B) Consortium is a public agency and as such is subject to the purchasing rules and laws of the State of Illinois. The UC2B Consortium intends to rely heavily on the use of contractors and vendors to do the final fiber-optic cable plant design and the physical construction of that infrastructure. The infrastructure engineering will be competitively bid in accordance with state law and local regulations as will the fiber plant construction that is based on those engineering designs.



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While we have a steady stream of phone calls from vendors desiring to do this work, there are no signed contracts. We cannot in good faith bid this work before we know if we have NTIA BTOP funding. This is a project that “but for” federal assistance would not be possible. It would violate state law to sign contracts for work of this magnitude without competitive bidding.

So, as soon as we know we have ARRA funding, our first activity will be to issue an RFP for one or more engineering firms to do the detailed infrastructure design for the rings and the underserved FTTH areas that we intend to build in 2010. Once those contracts have been awarded and the designs produced, we will be able to bid the construction work that is based on those designs.

Some of this work will happen over the winter, when it is usually not advisable to attempt fiber construction in Central Illinois. Even so, we will get a slightly late start in 2010 and we have apportioned the work between the two years accordingly.

Once the 2010 construction has been bid, we can bid the engineering and eventually the construction for 2011. If we have a late winter, it is possible that some of the 2011 construction could be started late in 2010, but we are not counting on that.

All construction will be coordinated and managed by the University’s Outside Plant staff. Members of the University’s WAN team will install the network electronics and configure them.

**Qualification of Management Team and Organizational Readiness**

**37. Management Team Resumes:**

Please refer to upload section at the end of the document.

**38. Organizational Readiness:**

The lead agency for the Urbana-Champaign Big Broadband (UC2B) Consortium will be the University of Illinois at Urbana-Champaign. The Policy Board of the Consortium will make



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policy decisions for all aspects of the operations of the Consortium. The members of that Policy Board are appointed by the three founding entities of the Consortium. The entire Intergovernmental Agreement is included in the bundle of materials for Question #41 and can be found starting on page 25.

For the construction phase of this project and for at least the first 5 years of operations, networking staff from the University will operate the backbone network, and the WDM-PON equipment that will be used to deliver services to end users, Critical Institutions and private VLAN customers.

The Wide Area Network (WAN) team is composed of 6 network engineers, who currently maintain and support the University's Urbana-Champaign campus network as well as the 568-mile Dense Wave Division Multiplex (DWDM) fiber network, the ICCN, which connects the University's three campuses to each other, to research networks, to peering partners and to the public Internet.

The campus network covers more than 1468 acres connecting 300 plus buildings with mostly 1 Gbps links to a 10 Gbps backbone. The campus network utilizes more than 145 routers and another 1200 switches and provides wired and wireless service to more than 60,000 students, faculty, and staff utilizing more than 75,000 network devices.

The University's WAN team will install, configure, and maintain the UC2B Infrastructure, which is comprised of two switches, four routers and eventually some 2,700 Optical Network Terminals. The WAN team will also coordinate with potential service providers to provision their services across the UC2B infrastructure to their corresponding subscribers.

Community Network Service (CNS) customer service will be provided by the Community Help Desk, which is defined in the UC2B Sustainable Broadband Adoption proposal. ISPs will provide customer service to their respective customers.

The University's Outside Plant team assembled for this project has years of experience in municipal and long haul fiber construction and is ready to manage this project. The University's staff will oversee the fiber infrastructure design and construction in both cities, as well as on the University's campus.



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One of the values of the Consortium agreement is that it allows for UC2B to benefit from the existing staffs of the members. While University staff will be handling the technical aspects of the network; financial, legal and HR staff from one of the other entities may be called on to perform those functions for the Consortium. Such services will be compensated, but when the Consortium only needs an attorney a couple of times a year, it works out well to have a several person “in-house” legal staff available to do that work.

The local PSAP – METCAD – functions in this fashion. While they are an intergovernmental agency, they get their financial, legal, billing and HR support from the City of Champaign under a contract that compensates the city for those services. In many ways, UC2B was modeled after METCAD.

On the networking side, we only expect the day-to-day network operations to require 2 FTE’s by the fifth year, but we will have a pool of 6 network engineers to draw from. That gives us access to 24x7 coverage as well as vacations and holidays while keeping operating expenses low. Keeping the expenses low in the early years of the Consortium’s operations will be very important to sustainability.

## Other

### 39. Organizational Chart:

Please refer to upload section at the end of document.

### 40. Legal Opinion:

Please refer to upload section at the end of document

### 41. Government and other Key Partnerships:

The Urbana-Champaign Big Broadband (UC2B) Consortium is itself a collaboration of three public entities (the University of Illinois at Urbana-Champaign, the City of Urbana and the City of Champaign) that have each approved the attached Intergovernmental Agreement (which starts on page 25 of the attachment for this question) to form the Consortium. The signature pages were being routed throughout the various official channels at the time of this



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submission.

That intergovernmental agreement allows for additional entities to join in the future, and we expect Champaign County and the Village of Savoy to do so. Both the Village of Savoy and Champaign County have provided letters supporting the UC2B proposals, which can be found on pages 41 and 42 of the attachment. The Consortium will manage the ongoing operations of the UC2B network with one of the three founding organizations always functioning as the lead agency. For the purposes of the BTOP grants, the lead agency is the University.

In addition to the three founding entities, five other public and one private organization have endorsed the UC2B proposals in the strongest way possible, with their dollars. Those letters of commitment start on page 2 of the attachment.

There are 14 letters of support from community partners that include religious groups, libraries and community centers; 21 letters from organizations representing vulnerable populations that range from battered women, to the disabled, to senior citizens; 2 that involve job training; 2 from Public Safety agencies including our local PSAP; 2 from healthcare agencies; 9 are from schools that represent tens of thousands of students from grade schools through graduate schools; and another 7 from local businesses, media and arts groups. Organizations that rarely see eye-to-eye on many issues are in absolute agreement that Big Broadband is needed for our Critical Institutions and that the UC2B Middle Mile proposal is the way to deliver it.

**42. Recovery Act and Other Governmental Collaboration.**

The UC2B infrastructure proposal increases the Broadband connectivity of three partners in the Illinois Rural Health Network, which has received a \$21 million grant from the Federal Communications Commission to improve the connectivity to rural medical facilities throughout the State of Illinois.

Carle Hospital and Provena Hospital in Urbana are both in the UC2B Last Mile proposed funded service area and both are teaching hospitals for University of Illinois medical students. Both hospitals and the University support rural health programs, and with UC2B fiber they will have low-cost high-bandwidth connectivity to the emerging state network that the FCC grant is funding. The UC2B fiber will also be an enabler for their telemedicine programs.

The C-U Mass Transit District's involvement in UC2B was detailed earlier. C-U MTD was the



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recipient of \$2.75million in ARRA funding for several projects including the purchase security cameras for their bus shelters. UC2B fiber will provide the connectivity that those cameras will need to be effective.

All eleven of the Census Block Groups that make up the four UC2B Last Mile service areas are targeted areas for HUD Community Development Block Grant Distribution. Several of them are in Enterprise Zones and several are in Tax Increment Financing Districts as well.

One the State level, Public Act 096-0038, which was signed into law on July 13th, provides \$50 million in state matching funds for ARRA Broadband deployment projects in the State of Illinois. The combined UC2B projects have secured \$3.5 million from this program, subject to NTIA approval of our BTOP grant applications. The commitment letter from the State of Illinois is page #4 in the attached collection of letters for Question #41 and the \$3.5 million is shown in our summary of matching funds.

The Illinois Fire Service Institute (IFSI), which is located on the University of Illinois campus, is submitting their own BTOP Broadband application for statewide broadband connectivity for fire stations. IFSI provides on-line and on-site training and education to first responders from across Illinois and the Midwest. They are the official state fire academy and through the Illinois Terrorism Task Force, ISFI is the delivery agent for Technical Rescue, Hazardous Materials, and National Incident Management System (NIMS) training for the State of Illinois.

In 2004, IFSI created 19 programs, which were approved by the Department of Homeland Security to train community responders to collaborate and respond to large disasters while waiting for FEMA assistance. Through the Department of Transportation IFSI manages a Hazardous Materials Emergency Preparedness grant, or HMEP.

To keep providing high levels of public safety training when fire department travel budgets are constrained, IFSI is looking to move even more of its training materials on-line. For that to be effective however, individual fire stations need Big Broadband connections so that the firefighters can take advantage of the on-line training. Should IFSI's BTOP grant request not be funded, the UC2B project will still connect 16 municipal and volunteer fire stations back to IFSI at 100 Mbps each. UC2B will enable IFSI to pilot its new on-line programs and fine-tune them. Better training for first responders is a top public safety priority.





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On a local level, the discussions leading up to the creation of the UC2B Consortium by the University and the cities of Urbana and Champaign have increased the awareness of the need for fiber conduits in the public works departments of both cities. While there is a new state law that mandates the placement of conduits for fiber optic networks on new state road projects, the local Public Works Directors are now factoring conduit into their future road building and repairing plans. We believe these are the sorts of efficiencies that the Recovery Act anticipates and encourages.

**Community Involvement (BTOP Applicants Only)**

**43. Partnering with Disadvantaged Businesses**

For the UC2B Middle Mile Infrastructure proposal, we have not been able to identify a local Disadvantaged Small Businesses to partner with that is either an electrical contractor or in the directional boring business - the two main skill sets this project will require.

However, we have arranged for a local union electrical contractor that specializes in communications cabling to implement a special apprentice program for this project. Champaign Telephone Company has agreed to take on six IBEW apprentices from the low-income areas being served by our fiber-to-the-home project to do the work of bringing fiber from the curb to the home and installing the Optical Networking Units and inside cabling.

We will need to bid this work, but we can make an apprentice program a requirement of our RFP, so even if Champaign Telephone does not win the bid, by the end of the two years of FTTH installations, there will be six members of the community who will be well on their way to becoming journeymen union electricians. Champaign Telephone has already been in contact with IBEW Local 601 and they are supportive of this plan. A letter from Champaign Telephone about this plan is on page #82 of the attached bundle of materials for question #41.

So while we do not have a Disadvantaged Small Businesses partner for this Infrastructure proposal, the UC2B project will lay the groundwork for the creation of a socially and economically disadvantaged electrical contracting business.



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The UC2B Public Computing Center proposal does partner with a socially and economically disadvantaged small business (SDB), to regularly clean the computers, keyboards and mice at the Public Computing Centers. With the predicted onset of new strains of flu, having clean systems in the Public Computing Centers is an important precaution.

## H. Project Budget

### 44. General Overall Budget





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Budget	Loan Request	Grant Request	Equity	Debt	Bond	Other
Network & Access Equipment (switching, routing, transport, access)		2,368,097				
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)		21,229,754	4,393,021			
Buildings and Land – (new construction, improvements, renovations, lease)						
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)		750,000				
Billing and Operational Support Systems (IT systems, software, etc.)			30,000			
Operating Equipment			10,000			



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(vehicles, office equipment, other)						
Engineering/ Professional Services (engineering design, project management, consulting, etc.)			725,000			
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)			190,000			
Site Preparation			500,000			
Other			1,004,128			
<b>TOTAL BROADBAND SYSTEM</b>		24,347,851	6,852,149			



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**Total Budget:** \$ 31,200,000

**45. Detailed Budget:**

Please refer to upload section at the end of the document.

**Sustainability**

**46. Reasonableness**

The UC2B proposal will provide Middle Mile connectivity for 137 "Critical Institutions", including schools, medical facilities, public safety agencies, senior living centers and public computing centers. The attached collection of letters from many of those organizations speaks eloquently to the needs and to the broad-based community support for this project.

Additionally this project will provide Middle Mile connectivity for a Fiber-to-the-Home (FTTH) pilot project serving an estimated 2,500 underserved, low-income households. It will also enable commercial Internet providers throughout the Urbana-Champaign community to improve their available bandwidth and lower their costs.

It is not reasonable that the schools that educate our children and the agencies that provide services to our vulnerable populations have to spend excessive scarce resources on public Internet connectivity. The UC2B Middle Mile network will service the "Critical Institutions" in our community for the next 20 years.

If the \$19.2 million that it will take to build the UC2B Middle Mile network were only to be used to provide connectivity for just those 137 "Critical Institutions" for the next 20 years, that would be a monthly cost of \$584 a month per institution.

For roughly the cost of two 1.5 Mbps T-1 circuits, schools, libraries, senior centers and public computing centers will have 100 Mbps connectivity to each other and to the public Internet. For the first five years of this project, the University will be donating funds for the UC2B Community Network Service to secure and back haul a 1 Gbps public Internet connection from Chicago utilizing the University's existing WDM fiber ring. We know that there will be far more than 137 organizations that benefit from the UC2B rings, so in reality the cost per organization over the next 20 years will be even less.



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The UC2B proposal also has a Last Mile component that will be life changing for the underserved, low-income residents in the proposed Last Mile funded service areas. The households within those service areas will have fiber-based access to 5 Mbps of symmetric public Internet connectivity and 100 Mbps of connectivity to the 137 "Critical Institutions" and other community resources.

The one-time cost per projected household subscriber is \$4,800. While fiber is more expensive than some other technology alternatives, it has been argued that our children and grandchildren will ultimately pay for the ARRA funding for these BTOP grants. With UC2B, our grandchildren will be able to enjoy using this WDM-PON system in 20 years. No other delivery technology is as flexible and as future proof as WDM-PON, and we believe that makes it the only reasonable long-term technology investment.

We know that the demand for bandwidth will only increase in the next five years, and we probably cannot begin to predict what it will be in 10 or 15 years. An investment in fiber-based Big Broadband in 2010 is the only solution that will still look wise in 2025 or 2030.

Spreading the \$12 million installation cost of just the FTTH fiber and the WDM-PON electronics over 20 years and over 2,500 subscribers yields a cost of \$20 per household per month. That too is a very reasonable investment for it delivers the potential of Big Broadband to our most vulnerable underserved households.

Private service providers with statewide franchises are not installing their latest technology in the areas that will be served by the UC2B FTTH pilot. It is not reasonable to leave a vulnerable segment of our community behind. UC2B will put them out front, and keep the playing field level for the next two decades.



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**47. Historical Financial Statements:**

Please refer to upload section at the end of the document.

**48. Broadband Subscriber Estimates:**

Please refer to upload section at the end of the document.

**49. Other Services:**

Please refer to upload section at the end of the document.

**50. Pro Forma 5-Year Financial Forecast and Assumptions:**

Please refer to upload section at the end of the document.

**51. Commitment of Capital Funding Support**

The three founding members of the Urbana-Champaign Big Broadband (UC2B) Consortium are the City of Urbana, the City of Champaign and the University of Illinois at Urbana-Champaign. Each entity's initial investment in the intergovernmental agency was determined by the amount of dark fiber that each entity wanted on the UC2B fiber rings for its own purposes and then applying a per-strand-mile figure to those needs.

Those investments will be used to cover all aspects of the local matches for the three UC2B grant proposals. Exactly \$1,050,000 total from those three sources has been allocated as the local matching funds for the two UC2B "Above Ground" proposals for Public Computing Centers and Sustainable Adoption. Together those two proposals total \$5 million.

For this Middle Mile Infrastructure proposal, the local capital funding sources are as follows:

Cash contributions:

University of Illinois: \$510,971, which is 1.64% of the total project.

City of Champaign: \$498,070, which is 1.60% of the total project.

Champaign Unit 116 Schools: \$622,557, which is 2.00% of the total project.

Champaign Telephone Company: \$587,698, which is 1.88% of the total project.

Urbana-Champaign Sanitary District: \$120,000, which is 0.38% of the total project.

Champaign-Urbana Mass Transit District: \$339,103, which is 1.09% of the total project.

Lincoln Trail Libraries System: \$30,000, which is 0.10% of the total project.

State of Illinois: \$3.5 million, which is 11.29% of the total project



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Total of all Cash Contributions: \$6,554,074, which is 21.01% of the total project

In-Kind Contributions:

Urbana Unit 116 schools: \$298,075, which is 0.96% of the total project.

Letters of commitment from each of those entities are included in the bundle of materials submitted for Question #41. They are pages 6 through 23 in that document.

All of the entities investing cash in the UC2B Consortium will be allowed to make three equal payments over three fiscal years. The first payment will be due January 10th, 2010. The second payment will be due on October 10th, 2010 and the third payment will be due on October 10th, 2011.

Champaign Unit 4 Schools, C-U Mass Transit District and Champaign Telephone Company will enter into Indefeasible Right of Use Agreements to acquire the rights to use dark fiber on some of the UC2B rings. U-C Sanitary District, and Lincoln Trail Libraries are funding lateral fiber construction to their facilities so that they can purchase layer-two transport and Internet services over the UC2B fiber network.

Urbana Unit 116 Schools is donating some existing linear fiber that connects some of their facilities to each other and to the Internet as an in-kind contribution. The \$298,075 reflects that actual cost of installing that fiber and associated hardware, which was installed in the last two years.

The State of Illinois is providing \$3.5 million in matching funds as is evidenced by their letter to that effect, which is page #4 in the bundle of letters for Question #41.

**BTOP Requirements**



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**52. Matching Funds:**

- a. Cash: \$ 6,554,074.00
- b. In-Kind: \$ 298,075.00
- c. Percent of Total Project Cost: 22

**53. Demonstration of Financial Need:**

The attached financial projections show that the Urbana-Champaign Big Broadband (UC2B) Consortium has at least a chance of being sustainable. The sales projections are neither overly aggressive nor overly conservative, but there is not much room for additional expense.

Those projections would be completely under water if the Consortium had to cover debt service on the roughly \$24 million that UC2B is seeking in ARRA assistance for this project. There is no possible way that this project would be funded privately with that level of debt on its books from day one.

While the University from time-to-time does things that are in the public interest, even though they may not benefit the institution's bottom line, we have attached a letter from the Urbana' campus's Chief Budget Officer - Mike Andrechak - which confirms that were it not for federal assistance, the UC2B project could not be funded by the University. That letter may be found as page #109 in the bundle of materials for Question #41.

The three UC2B proposals are perfect examples of projects that "but for" ARRA funding would not be implemented.

**54. Unjust Enrichment**

We are not receiving nor have we requested any other Federal support for non-recurring costs associated with any of the UC2B Proposals.

**55. Disclosure of Federal and/or State Funding Sources**

\$50 million of the 2009 State of Illinois Capital Spending Bill has been reserved for grants to help provide partial project matching costs for ARRA-funded broadband projects from Illinois. The combined UC2B Proposals have received a pledge of \$3.5 million in state funds. The letter from the Department of Commerce and Economic Opportunity detailing that grant is attached to this application and is page #4 in the bundle of supporting materials for Question



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#41. That is the only non-local funding source for UC2B.

## I. Self Scoring – BIP Only Self Scoring

### 56. Self Scoring Sheet





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<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program		<b>Applicant Organization:</b> Board of Trustees of the University of Illinois	
<b>Task:</b> Submit Application - Infrastructure Programs		<b>Applicant Name:</b> Ms. Kathy Young	

Criteria	Method	Points	Self Scores
<b><u>PROJECT PURPOSE</u></b>			
Proportion of Rural Residents Served in Unserved Areas	1 point for every 10,000 unserved households	Up to 5	
Rural Area Targeting	1 point for every 5% increase in the rural service area up the minimum 75% rural area requirement	Up to 5	
Remote Area targeting	1 point for every 50 miles a service area is located from a non-rural area	Up to 5	
Title II Borrower	If you are or were a Title II borrower	5	
Recovery Act and other governmental collaboration	1 point will be awarded for each governmental or Recovery program the applicant is partnering with	Up to 5	
<b><u>PROJECT BENEFITS</u></b>			
Performance of the offered services	If a last mile wireline project delivers 20M to household – if a last mile wireless projects delivers 2M to end-user – if a middle mile projects delivers 100M to end points	<b>10</b>	
Affordable of services offered	Points awarded based on the proposed rate structure and the logistics of the proposed service area	Up to 5	



**Broadband Infrastructure Application  
Submission to RUS (BIP) and NTIA (BTOP)**

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Choice of service provider	If the proposed infrastructure is available to be used by multiple service providers	5	
Critical Community Facilities	If discounted rate packages at least 25% lower than advertise rates are available to critical facilities	5	
<b><u>PROJECT VIABILITY</u></b>			
Applicant's organizational capability	Points will be awarded on the strengths and accomplishments of key management	Up to 12	
Community Support	If a letter of support has been received from a designated representative of the community for every community in the proposed service territory	2	
Ability to promptly start project	If the applicant can demonstrate that all licenses and regulatory approvals have been received, contractors and vendors are ready to enter into contracts, and equity has been deposited into applicant accounts	10	
Socially and economically disadvantaged small businesses (SDB), as defined by section 8(a) of the Small Business Act, 15 U.S.C. §637.	If the applicant is a Section 8(a) entity	1	
<b><u>PROJECT BUDGET AND SUSTAINABILITY</u></b>			
Reasonableness of the budget	Points will be awarded based the	Up to 5	



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<b>Task:</b> Submit Application - Infrastructure Programs		<b>Applicant Name:</b> Ms. Kathy Young	

	adequacy of the proposed budget		
Leverage of outside resources (outside funding/financing requested)	(i) 10 points if this ratio is greater than 100% (ii) 7 points if this ratio is between 100% and 75% (iii) 5 points if this ratio is between 75% and 50% (iv) 3 points if this ratio is between 50% and 25% (v) 1 points if this ratio is lower than 25%	10	
Extent of grant funding (Grant funds/loan funds)	(i) 0 points if this ratio equals 100% (ii) 1 points if this ratio is between 100% and 75% (iii) 3 points if this ratio is between 75% and 50% (iv) 5 points if this ratio is lower than 50% (v) 10 points if no grant funds are requested	10	
<b>Total Points</b>		100	



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<b>Task:</b> Submit Application - Infrastructure Programs	<b>Applicant Name:</b> Ms. Kathy Young

## J. BTOP Certification Requirements

### Certification (Requested for BTOP)

Please refer to upload section at the end of the document regarding following uploads.

1. U.S. Department of Commerce, Broadband Technology Opportunities Program
2. SF-424D Assurances—Construction Programs (Schedule N)
3. CD-511, Certification Regarding Lobbying (Attachment O)
4. SF-LLL, Disclosure of Lobbying Activities (Attachment P)
5. CD-512, Certification Regarding Lobbying—Lower-Tier Covered Transactions (Attachment Q) This certification will not be required until the time of the grant award, because it applies to subcontractors, etc.

## K. BIP Certification Requirements

### Certification (Requested for BIP)

Please refer to upload section at the end of the document regarding following uploads.

1. Equal Opportunity and Nondiscrimination Certification
2. Certification Regarding Architectural Barriers
3. Uniform Relocation Assistance and Real Property Acquisition - Policies Act of 1970 Certification
4. Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions
5. Certification Regarding Lobbying for Contracts, Grants, Loans, and Cooperative Agreements



**Broadband Infrastructure Application  
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<b>Submitted Date:</b> 8/20/2009 4:17:28 PM	<b>Easygrants ID:</b> 1724
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<b>Task:</b> Submit Application - Infrastructure Programs	<b>Applicant Name:</b> Ms. Kathy Young

6. Network Design and Implementation Plan Certification (to be complete for projects requesting more than \$1 million in federal assistance)

## L. Schedules

### Schedule: A-1 Congressional Districts

1. State the Congressional District of the Applicant's headquarters  
Illinois - 15

2. State the Congressional District for each area covered by the Project.  
Illinois - 15

## M. Proposed Funded Service Area Details (BIP & BTOP)

### 13. Proposed Funded Service Area (BIP - Last Mile Projects):

**Proposed Funded Service Area Name:** UC2B Last Mile 55-6  
**Census Blocks in Proposed Funded Service Area:** 55-6  
**Community Name:** Urbana, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP - Service Status:**

<b>BIP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
--

**BTOP – Service Status:** Underserved

<b>BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.</b> The rate of broadband subscribership for the proposed funded service area is 40% of households or less.
--



**Broadband Infrastructure Application  
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<b>Submitted Date:</b> 8/20/2009 4:17:28 PM	<b>Easygrants ID:</b> 1724
<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program	<b>Applicant Organization:</b> Board of Trustees of the University of Illinois
<b>Task:</b> Submit Application - Infrastructure Programs	<b>Applicant Name:</b> Ms. Kathy Young

**Total Square Miles of Community: 11**  
**Total Population : 692**  
**Total Number of Households: 368**  
**Total Number of Businesses: 30**  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 4**

**Proposed Funded Service Area Name:** UC2B Last Mile Main Urbana  
**Census Blocks in Proposed Funded Service Area:** 53-1, 53-2, 53-5, 54-5  
**Community Name:** Urbana, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP - Service Status:**

**BIP - If Service Status is "Underserved" please select at least one applicable option from this list.**

**BTOP – Service Status:** Underserved

**BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.**  
The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Community: 11**  
**Total Population : 2,810**  
**Total Number of Households: 1,184**  
**Total Number of Businesses: 76**  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 5**

**Proposed Funded Service Area Name:** UC2B Last Mile Main Champaign  
**Census Blocks in Proposed Funded Service Area:** 2-1, 2-2, 7-1, 7-3  
**Community Name:** Champaign, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP - Service Status:**

**BIP - If Service Status is "Underserved" please select at least one applicable option from this list.**



**Broadband Infrastructure Application  
Submission to RUS (BIP) and NTIA (BTOP)**

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<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program	<b>Applicant Organization:</b> Board of Trustees of the University of Illinois
<b>Task:</b> Submit Application - Infrastructure Programs	<b>Applicant Name:</b> Ms. Kathy Young

--

**BTOP – Service Status:** Underserved

<b>BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.</b> The rate of broadband subscribership for the proposed funded service area is 40% of households or less.
--

**Total Square Miles of Community:** 17  
**Total Population :** 4,165  
**Total Number of Households:** 1,868  
**Total Number of Businesses:** 68  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:** 11

**Proposed Funded Service Area Name:** UC2B Last Mile 9.01-3  
**Census Blocks in Proposed Funded Service Area:** 9.01-3  
**Community Name:** Champaign, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP - Service Status:**

<b>BIP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
--

**BTOP – Service Status:** Underserved

<b>BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.</b> The rate of broadband subscribership for the proposed funded service area is 40% of households or less.
--

**Total Square Miles of Community:** 17  
**Total Population :** 1,555  
**Total Number of Households:** 700  
**Total Number of Businesses:** 25  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:** 2



**Broadband Infrastructure Application  
Submission to RUS (BIP) and NTIA (BTOP)**

<b>Submitted Date:</b> 8/20/2009 4:17:28 PM		<b>Easygrants ID:</b> 1724	
<b>Funding Opportunity:</b> Broadband Initiatives Program and Broadband Technology Opportunities Program		<b>Applicant Organization:</b> Board of Trustees of the University of Illinois	
<b>Task:</b> Submit Application - Infrastructure Programs		<b>Applicant Name:</b> Ms. Kathy Young	

**Proposed Funded Service Area Name:** UC2B Last Mile 12.01-2  
**Census Blocks in Proposed Funded Service Area:** 12.01-2  
**Community Name:** Champaign, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP - Service Status:**

<b>BIP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
--

**BTOP – Service Status:** Underserved

<b>BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Community:** 17  
**Total Population :** 1,464  
**Total Number of Households:** 530  
**Total Number of Businesses:** 19  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:**

**14. Proposed Service Area (BTOP - Middle Mile Project):**

**Middle Mile Span Name:** UC2B Middle Mile  
**Census Blocks in Middle Mile Span:** 1-2, 1-2, 1-3, 1-4, 2-1, 2-2, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 5-1, 5-2, 5-3, 5-4, 6-1, 6-2, 6-3, 6-4, 7-1, 7-2, 7-3, 8-1, 8-2, 9.01-1, 9.01-2, 9.01-3, 9.02-1, 9.02-2, 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 11-1, 11-2, 11-3, 11-4, 12.01-1, 12.01-2, 12.01-3, 12.01-4, 12.03-1, 12.03-2, 12.03-3, 12.03-4, 12.04-1, 12.04-2, 12.05-1, 12.05-2, 12.06-1, 12.06-2, 13.01-1, 13.01-2, 13.01-3, 13.01-4, 13.01-5, 14-1, 14-2, 51-1, 52-1, 52-2, 52-3, 53-1, 53-2, 53-3, 53-4, 53-5, 54-1, 54-2, 54-3, 54-4, 54-5, 54-6, 54-7, 54-8, 55-1, 55-2, 55-3, 55-4, 55-5, 55-6, 55-7, 56-1, 56-2, 56-3, 56-4, 56-5, 57-1, 57-2, 57-3, 57-4, 57-5, 57-6, 58-1, 58-2, 58-3, 58-4, 58-5, 58-6, 59-1, 59-2, 59-3, 50-4, 60-1, 60-1, 60-2  
**Last Mile Service Area Name:** UC2B Last Mile 12.01-2  
**Community Name:** Champaign, Illinois  
**Rural Classification of the Community:** Non-Rural





**Broadband Infrastructure Application  
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<b>Task:</b> Submit Application - Infrastructure Programs	<b>Applicant Name:</b> Ms. Kathy Young

**BIP – Service Status:**

**BIP - If Service Status is "Underserved" please select at least one applicable option from this list.**

**BTOP - Service Status:** Underserved

**BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.**  
The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 17**  
**Total Population : 1,464**  
**Total Number of Households: 530**  
**Total Number of Businesses: 19**  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:**

**Middle Mile Span Name:** UC2B Middle Mile

**Census Blocks in Middle Mile Span:** 1-2, 1-2, 1-3, 1-4, 2-1, 2-2, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 5-1, 5-2, 5-3, 5-4, 6-1, 6-2, 6-3, 6-4, 7-1, 7-2, 7-3, 8-1, 8-2, 9.01-1, 9.01-2, 9.01-3, 9.02-1, 9.02-2, 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 11-1, 11-2, 11-3, 11-4, 12.01-1, 12.01-2, 12.01-3, 12.01-4, 12.03-1, 12.03-2, 12.03-3, 12.03-4, 12.04-1, 12.04-2, 12.05-1, 12.05-2, 12.06-1, 12.06-2, 13.01-1, 13.01-2, 13.01-3, 13.01-4, 13.01-5, 14-1, 14-2, 51-1, 52-1, 52-2, 52-3, 53-1, 53-2, 53-3, 53-4, 53-5, 54-1, 54-2, 54-3, 54-4, 54-5, 54-6, 54-7, 54-8, 55-1, 55-2, 55-3, 55-4, 55-5, 55-6, 55-7, 56-1, 56-2, 56-3, 56-4, 56-5, 57-1, 57-2, 57-3, 57-4, 57-5, 57-6, 58-1, 58-2, 58-3, 58-4, 58-5, 58-6, 59-1, 59-2, 59-3, 50-4, 60-1, 60-1, 60-2

**Last Mile Service Area Name:** UC2B Last Mile 9.01-3

**Community Name:** Champaign, Illinois

**Rural Classification of the Community:** Non-Rural

**BIP – Service Status:**

**BIP - If Service Status is "Underserved" please select at least one applicable option from this list.**

**BTOP - Service Status:** Underserved

**BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.**



**Broadband Infrastructure Application  
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The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 17**  
**Total Population : 1,555**  
**Total Number of Households: 700**  
**Total Number of Businesses: 25**  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 2**

**Middle Mile Span Name:** UC2B Middle Mile  
**Census Blocks in Middle Mile Span:** 1-2, 1-2, 1-3, 1-4, 2-1, 2-2, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 5-1, 5-2, 5-3, 5-4, 6-1, 6-2, 6-3, 6-4, 7-1, 7-2, 7-3, 8-1, 8-2, 9.01-1, 9.01-2, 9.01-3, 9.02-1, 9.02-2, 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 11-1, 11-2, 11-3, 11-4, 12.01-1, 12.01-2, 12.01-3, 12.01-4, 12.03-1, 12.03-2, 12.03-3, 12.03-4, 12.04-1, 12.04-2, 12.05-1, 12.05-2, 12.06-1, 12.06-2, 13.01-1, 13.01-2, 13.01-3, 13.01-4, 13.01-5, 14-1, 14-2, 51-1, 52-1, 52-2, 52-3, 53-1, 53-2, 53-3, 53-4, 53-5, 54-1, 54-2, 54-3, 54-4, 54-5, 54-6, 54-7, 54-8, 55-1, 55-2, 55-3, 55-4, 55-5, 55-6, 55-7, 56-1, 56-2, 56-3, 56-4, 56-5, 57-1, 57-2, 57-3, 57-4, 57-5, 57-6, 58-1, 58-2, 58-3, 58-4, 58-5, 58-6, 59-1, 59-2, 59-3, 50-4, 60-1, 60-1, 60-2  
**Last Mile Service Area Name:** UC2B Last Mile Main Champaign  
**Community Name:** Champaign, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP – Service Status:**

**BIP - If Service Status is "Underserved" please select at least one applicable option from this list.**

**BTOP - Service Status:** Underserved

**BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.**  
 The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 17**  
**Total Population : 4,165**  
**Total Number of Households: 1,868**  
**Total Number of Businesses: 68**  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 11**



**Broadband Infrastructure Application  
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**Middle Mile Span Name:** UC2B Middle Mile

**Census Blocks in Middle Mile Span:** 1-2, 1-2, 1-3, 1-4, 2-1, 2-2, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 5-1, 5-2, 5-3, 5-4, 6-1, 6-2, 6-3, 6-4, 7-1, 7-2, 7-3, 8-1, 8-2, 9.01-1, 9.01-2, 9.01-3, 9.02-1, 9.02-2, 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 11-1, 11-2, 11-3, 11-4, 12.01-1, 12.01-2, 12.01-3, 12.01-4, 12.03-1, 12.03-2, 12.03-3, 12.03-4, 12.04-1, 12.04-2, 12.05-1, 12.05-2, 12.06-1, 12.06-2, 13.01-1, 13.01-2, 13.01-3, 13.01-4, 13.01-5, 14-1, 14-2, 51-1, 52-1, 52-2, 52-3, 53-1, 53-2, 53-3, 53-4, 53-5, 54-1, 54-2, 54-3, 54-4, 54-5, 54-6, 54-7, 54-8, 55-1, 55-2, 55-3, 55-4, 55-5, 55-6, 55-7, 56-1, 56-2, 56-3, 56-4, 56-5, 57-1, 57-2, 57-3, 57-4, 57-5, 57-6, 58-1, 58-2, 58-3, 58-4, 58-5, 58-6, 59-1, 59-2, 59-3, 50-4, 60-1, 60-1, 60-2

**Last Mile Service Area Name:** UC2B Last Mile Main Urbana

**Community Name:** Urbana, Illinois

**Rural Classification of the Community:** Non-Rural

**BIP – Service Status:**

<b>BIP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
--

**BTOP - Service Status:** Underserved

<b>BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area:** 11

**Total Population :** 2,810

**Total Number of Households:** 1,184

**Total Number of Businesses:** 76

**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:** 5

**Middle Mile Span Name:** UC2B Middle Mile

**Census Blocks in Middle Mile Span:** 1-2, 1-2, 1-3, 1-4, 2-1, 2-2, 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 5-1, 5-2, 5-3, 5-4, 6-1, 6-2, 6-3, 6-4, 7-1, 7-2, 7-3, 8-1, 8-2, 9.01-1, 9.01-2, 9.01-3, 9.02-1, 9.02-2, 10-1, 10-2, 10-3, 10-4, 10-5, 10-6, 11-1, 11-2, 11-3, 11-4, 12.01-1, 12.01-2, 12.01-3, 12.01-4, 12.03-1, 12.03-2, 12.03-3, 12.03-4, 12.04-1, 12.04-2, 12.05-1, 12.05-2, 12.06-1, 12.06-2, 13.01-1, 13.01-2, 13.01-3, 13.01-4,



**Broadband Infrastructure Application  
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<b>Task:</b> Submit Application - Infrastructure Programs		<b>Applicant Name:</b> Ms. Kathy Young	

13.01-5, 14-1, 14-2, 51-1, 52-1, 52-2, 52-3, 53-1, 53-2, 53-3, 53-4, 53-5, 54-1, 54-2, 54-3, 54-4, 54-5, 54-6, 54-7, 54-8, 55-1, 55-2, 55-3, 55-4, 55-5, 55-6, 55-7, 56-1, 56-2, 56-3, 56-4, 56-5, 57-1, 57-2, 57-3, 57-4, 57-5, 57-6, 58-1, 58-2, 58-3, 58-4, 58-5, 58-6, 59-1, 59-2, 59-3, 50-4, 60-1, 60-1, 60-2

**Last Mile Service Area Name:** UC2B Last Mile 55-6  
**Community Name:** Urbana, Illinois  
**Rural Classification of the Community:** Non-Rural  
**BIP – Service Status:**

<b>BIP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>

**BTOP - Service Status:** Underserved

<b>BTOP - If Service Status is "Underserved" please select at least one applicable option from this list.</b>
The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 11**  
**Total Population : 692**  
**Total Number of Households: 368**  
**Total Number of Businesses: 30**  
**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 4**

## N. Uploads

In order to improve system performance and help ensure that all applicants are able to complete their applications by the deadline, we have changed the way your application PDF is created. This PDF contains all of the information you entered throughout the Easygrants data entry screens. PDF copies of all documents that have been uploaded can be viewed and printed separately from the **Main page of the application after you submit**. These will continue to be available to you in read-only format after your application has been submitted.

The logo for UC2B is contained within a blue rectangular border. At the top, the letters "UC2B" are written in a large, blue, sans-serif font. Below the text is a stylized orange graphic consisting of a large rectangle with a smaller rectangle inside it, and several horizontal lines, resembling a ladder or a set of steps.

UC2B

Urbana-Champaign  
Big Broadband  
Public Computing Centers  
On-Line Application Narratives



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM	<b>Easygrants ID:</b> 2964
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption	<b>Applicant Organization:</b> University of Illinois Urbana Champaign
<b>Task:</b> Submit Application - Non-Infrastructure Programs	<b>Applicant Name:</b> Kathy Young

---

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**F. Project Viability**

**G. Project Budget & Sustainability**

**H. DOC Environmental Checklist**

**I. Compliance and Certification**

**J. Uploads**



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

## A. General Application Information

<b>1. Applicant Information</b>	
<b>1-A. Name, Address, and Federal ID for Applicant</b>	
<b>i. Legal Name:</b>	University of Illinois Urbana Champaign
<b>ii. Employer/Taxpayer Identification Number (EIN/TIN):</b>	376000511
<b>Street 1:</b>	c/o Office of Sponsored Programs and Research Administration
<b>Street 2:</b>	1901 S. First Street, Suite A
<b>City:</b>	Champaign
<b>County:</b>	Champaign
<b>State:</b>	IL
<b>Country</b>	United States
<b>Zip/Postal Code:</b>	61820-7406
<b>1-B. Name and Contact Information of Person to be Contacted on Matters Involving this Application:</b>	
<b>Prefix:</b>	
<b>First Name:</b>	Kathy
<b>Middle Name:</b>	
<b>Last Name:</b>	Young
<b>Suffix:</b>	
<b>Telephone Number:</b>	217-333-2187
<b>Fax Number:</b>	
<b>Email:</b>	geraldmcworter@gmail.com
<b>Title:</b>	Director of OSPRA
<b>1-C. Other Required Identification Numbers</b>	



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<b>i. Organizational DUNS:</b>	04-154-4081
<b>ii. CCR # (CAGE):</b>	4B808
<b>iii. Funding Opportunity Number:</b>	2
<b>iv. Catalog of Federal Domestic Assistance Number:</b>	<b>BTOP CFDA Number:</b> 11.557 <b>BTOP CFDA Title:</b> Broadband Technology Opportunities Program

**1-D. Organization Classification**

Local, State, or Other Government Entity

**1-E. Applicant Federal Debt Delinquency Explanation**

Is the **Applicant** Delinquent On Any Federal Debt?  
No

**Federal debt delinquency Explanation:**

**1-F. Congressional Districts of:**

**Applicant:** Illinois - 15

<b>Program/Project</b>
Illinois - 15

**2. Project Title and Project Description**

**2-A. Project Title :** Urbana-Champaign Big Broadband Above Ground PCC (UC2B Public Computer Centers)

**2-B. Project Description:** UC2B is an intergovernmental consortium of the University of Illinois and the cities of Urbana and Champaign providing fiber-optic broadband connectivity to the community's anchor institutions, fiber-to-the-home connectivity in underserved neighborhoods, improved access/support to





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public computer centers, and a sustainable adoption and educational outreach program for vulnerable populations.

**3. Project Type**

Classify the particular project type for which you are seeking federal funding.

**Project Type:** Public Computer Center

**Project ID:** 2

**4. Application ID for Multiple Submissions for Identified Service Areas**

There are three linked submissions from the Urbana-Champaign Big Broadband Consortium. They inform and enable each other and provide an integrated solution for the Identified Service Area.

**BTOP Infrastructure:**

Urbana-Champaign Big Broadband - Below Ground (UC2B Middle Mile & Last Mile Infrastructure)

**BTOP Public Computing Center:**

Urbana-Champaign Big Broadband - Above Ground PCC (UC2B Public Computing Centers)

**BTOP Sustainable Broadband Adoption:**

Urbana-Champaign Big Broadband - Above Ground SA (UC2B Sustainable Broadband Adoption)

**5. Estimated Funding (\$):**

Estimated Funding (\$):	
Federal	992,173
Applicant	105,358
State	
Local	158,037



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Other	
Program Income	
Total	1,255,568

## B. Eligibility Factors

### 6. Eligibility Factors.

<b>The application must be completed fully, and all required supplemental documentation must be attached.</b>
<b>Applicants must commit to substantially completing their Project (as defined in the NOFA) within two years of the award date, and completing the Project within three years of the award date.</b>
<b>Applicants must credibly demonstrate that their Project advances at least one of the five statutory purposes for BTOP.</b>
<b>Applicants must demonstrate that but for Federal funding they would not have been able to complete their project during the grant period.</b>
<b>The budget for the project must be reasonable and all costs must be eligible.</b>

**6-d.** Applicant is providing matching funds of at least 20 percent towards to the total eligible project costs or is requesting a waiver of the matching requirements.

Yes

**Matching Fund Waiver Request Explanation**



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## C. Executive Summary

### 7. Executive Summary of Overall Proposal:

A. Statement of problem/need with regard to improving broadband adoption rates.

UC2B Below Ground will bring needed big broadband to community anchor institutions and to homes in underserved areas. The complementary need and solution addressed in this UC2B Public Computer Center proposal is to stimulate broadband demand by helping people in those areas and other vulnerable populations use a reliable and cutting-edge set of big-broadband-based tools and services. This includes hardware, software, people, and social arrangements. In July, UC2B carried out a door-to-door household survey which found census block groups of <40% broadband takeup, exactly aligned with the lowest income and highest social isolation (joblessness, lower education, lack of access to services, and so on).

B. Overall approach to addressing the need.

Our overall approach is bottom-up, locally rooted cultural and entrepreneurial innovation, facilitated by North Champaign-Urbana’s own social capital together with UC2B’s structures and resources. The set of big-broadband-based tools and services mentioned above is centered on:

1. a self-organized network of 46 public computer centers, with technology both comprehensive and cutting edge, and a uniformly educated and mobilized support staff of 31 core staff (including 17 cybernavigators—local people helping and teaching);
2. 50 student interns (high school, community college, university) rolling through a three-course sequence on big broadband, community institutional transformation, and big-broadband-based entrepreneurship, culminating in start-up awards to each year’s five best projects; and
3. a hub public computer center featuring three locally relevant technology foci and called the Mad Lab (for Music, Access, Digitization).

C. Areas to be served, population of the areas with demographics, estimated number of users of



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public computer centers.

UC2B will serve Champaign and Urbana, Illinois. This encompasses a population of 113,000, 15.6% African American, 4.5% Latino, and 27% living below the poverty level, according to the 2005-2007 American Community Survey. We estimate the annual number of users of UC2B's network of public computer centers to be 22,000 individuals.

D. Applicant qualifications.

UC2B's public computer center work builds on the last 15 years of activity by community informatics scholars/professionals at the University of Illinois (<http://www.cii.illinois.edu>). As demonstrated by our record of publications/presentations, this has involved:

1. establishing, operating, and/or studying more than 100 public computer centers;
2. IT-enabling and/or studying more than 500 community groups and institutions; and
3. convening and steering 15 plus conferences on the topic of technology and community (Job?Tech, CTCNeT, Ending Poverty/Day of Discovery, Paseo/Community as Intellectual Space, and eChicago).

The university's community informatics team has worked in Champaign-Urbana, East St. Louis, Oak Park, and Chicago, Illinois; Toledo, Ohio; Ann Arbor, Michigan; Manchester, England; and São Tomé (Africa). At a close-up, in-community level, for 15 plus years we operated the community network Prairienet (<http://prairienet.org>), the only TOP grant that NTIA awarded to a university's library and information science program and a W. K. Kellogg grantee. At the large-scale dataset level, we created an archive of the physical and digital records of the Technology Opportunities Program (<http://hdl.handle.net/2142/5139>) and initiated the collective study of the 606 projects, all of which used technology to solve problems in underserved areas/among vulnerable populations. This work has built the largest community informatics program in the country, graduating professionals and Ph.D.-level researchers.

E. Ability to implement the project, achieve its intended results.



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City and university managers steering the UC2B intergovernmental consortium have personally collaborated on no less than four generations of successful campus–community computer networking: PLATO (begun 1960), the first public access point to a university’s online library catalog (1984), Champaign County Network (ccnet, 1993), Prairienet (1994), and now UC2B. This expertise is on top of the campus community informatics expertise described above. Important off-campus initiatives include the Champaign-Urbana Community Wireless Network (CUWiN), begun in 2000, funded by the National Science Foundation and the Open Society Initiative, and the Urbana Champaign Independent Media Center (2001), an anchor of global Indymedia and one of the 46 public computer centers in UC2B.

The University of Illinois unit leading the UC2B public computer center proposal is the Graduate School of Library and Information Science (GSLIS), which has long ranked number one in the U.S. News and World Report rankings. Research, teaching, and service projects have received major funding from such sources as the Andrew W. Mellon Foundation, the Library of Congress, Institute of Museum and Library Services, and the National Science Foundation.

The hallmark of UC2B is its sustainability, especially with regard to job creation and big broadband adoption. Of the 81 jobs created, the bulk of the payroll is in 31 positions which will be supported by UC2B for years 4 and 5 of the project. As for big broadband adoption, the three-pronged transformational strategy is aimed at a cultural shift whereby social and work lives in underserved areas/vulnerable populations are converted from offline to a seamless combination of off- and online, much like the area’s higher-income population who already use little broadband, and clamor for big.

F. Jobs to be saved or created: 81.

G. Overall cost of project: UC2B Above Ground: \$5,000,000. (This includes Public Computer Centers and Sustainable Broadband Adoption.) UC2B Public Computer Centers: \$1,255,568.

## **D. Project Purpose**

**Project Purpose: Recovery Act & BTOP Objectives**



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**8. Project Purpose**

A. Problem significance: overcoming broadband inequality in a public university technopole.

The significant problem we are addressing is persistent, deepening digital inequality in a particular type of North American community that is found in all 50 states around our public institutions of higher education. There are 1,700 such communities, where (as in C-U) some people are using, and even creating, the world’s most powerful hardware and software. Others are using a mouse for the first time. The University of Illinois has been a world center for computing innovation, from PLATO (1960), the first public computer system, to Blue Waters (2011), which will be the most powerful supercomputer in the world when it comes online for open scientific research.

But off campus, many residents of C-U (and other similar higher-education-hub communities) are facing a computer screen, keyboard, and mouse for the first time, because all applications for the jobs, housing, and social services they need have migrated online. And other residents fall somewhere along a spectrum between the two extremes. C-U has the same social dislocations and proportion of marginalized people as any other city in this period of economic crisis. Getting online is mandatory to apply for jobs (at Google or McDonalds), education, housing, and social services. While some in C-U are integrated into the big-broadband-connected world (through televisits with family in China or ongoing collaborations with German researchers, for example), as a community we are far behind high-speed-internet societies in Asia and Europe.

B. Effective solution: build a unified network of existing/planned public computer centers, bring them to a technology standard including big broadband, provide local IT support.

The most advanced public computer center in town, with 72 applications available on each machine, users empowered to download more, and constant education and reinforcement in new uses of big broadband, is a lab exclusively for U of I computer science majors. Meanwhile at community computer centers, tight budgets and short staffs often limit instruction and support to browsing and word processing, without even the games that teach newbies mouse skills or keyboarding. UC2B Public Computer Centers’s solution has three parts:

1. organizing 45 existing or planned public computer centers (all serving underserved areas and



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vulnerable populations) into a unified network for sharing best practices and collaborating;

2. bringing their technology to a standard, including big broadband; and
3. providing IT support to the 45 centers out of a 46th hub public computer center, the Mad Lab.

This dovetails with the UC2B Sustainable Broadband Adoption proposal, which aims at:

4. 17 cybernavigators teaching/helping users of those 46 centers;
5. using the Mad Lab to help local residents and institutions create big broadband content via digitizing community materials; music, video, and other cultural production; and teleconferencing near and far; and
6. recruiting 50 people a year (university, community college, high school students, community members) to a year-long study-action program culminating in a UC2B Big Broadband Entrepreneurship competition for \$50,000 in startup funds (5 awards of \$10K each) for locally rooted big-broadband-based businesses or social entrepreneurs.

Taken together, these activities will move local residents and institutions to big-broadband-based living and working and result in higher levels of big broadband access and use.

C. Replicable solution: The UC2B solution relies on a strategy available to 1700 communities nationwide which have public institutions of higher education. That solution is to link on-campus resources and technology approaches with local community technology leaders in order to level the local broadband playing field. Part of making this solution replicable is embedded in UC2B, namely, sharing our successes and educating other cities and towns as we go.

D. Advancing job creation along with BTOP statutory purposes.

The UC2B Public Computer Center and Sustainable Broadband Adoption proposals save/create 81 jobs and advance 4 of the 5 statutory purposes of BTOP:





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1. Increasing broadband takeup in underserved areas (currently evidencing <40% broadband takeup). The Mad Lab will be located in the largest underserved area as surveyed by UC2B in July 2009.

2. Increasing broadband awareness/access and providing broadband training, equipment, and support to anchor institutions and vulnerable populations. Some public computer centers are located in underserved areas (also the lowest-income neighborhoods in Champaign-Urbana); others serve vulnerable populations. The 17 cybernavigators will work in the 46 centers and with community anchor institutions in 12 sectors: education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture, and seniors.

3. Expanding broadband for public safety agencies: One center is the Youth Detention Center serving 500 youth per year. Another serves ex-offenders at a homeless shelter.

4. Stimulating broadband demand: As local residents and institutions are supported in big broadband innovation based on cultural production, digitization of their own materials, and entrepreneurship, their lives will move online. Sustained big broadband demand will result.

E. Reinforcing other BTOP program objectives (Infrastructure and Sustainability).

The 46 public computer centers, 81 UC2B workers, and locally oriented digitization, cultural production, and entrepreneurship will mobilize vulnerable populations, anchor and grassroots organizations, and residents of underserved areas to new ways of living and working with big broadband. This will generate demand for the infrastructure and provide the basis for the sustainability mentioned above.

**9. Recovery Act and Other Governmental Collaboration.**

The UC2B infrastructure proposal increases the big broadband connectivity of three partners in the Illinois Rural Health Network, which has received a \$21 million grant from the Federal Communications Commission to improve the connectivity to rural medical facilities. Carle and Provena Hospitals in Urbana are both in the UC2B Last Mile proposed funded service area and both are teaching hospitals for University of Illinois medical students. Both hospitals and the University support rural health programs, and with UC2B fiber they will have low-cost, high-bandwidth connectivity to the emerging state network that the FCC grant is





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funding. The UC2B fiber will be an enabler for their telemedicine programs as well.

On the state level, Public Act 096-0038, which was signed into law on July 13, provides \$50 million in state funds for grants for broadband deployment projects in the state of Illinois. The combined UC2B projects have secured \$3.5 million from this program, subject to NTIA approval of the UC2B BTOP grant applications. The commitment email from the State of Illinois is attached to the UC2B BTOP applications and the \$3.5 million is shown in the summary of matching funds.

On a local level, the discussions leading up to the creation of the UC2B Consortium by the University and the cities of Urbana and Champaign have increased the awareness of the need for fiber conduits in the public works departments of both cities. While there is a new state law that mandates the placement of conduits for fiber optic networks on new state road projects, the local public works directors are now factoring conduit into their future road building and repairing plans. We believe these are the sort of efficiencies that the Recovery Act anticipates and encourages.

Three examples explain the diverse local government commitment to UC2B.

1. The Champaign-Urbana Mass Transit District operates an award-winning bus system. They want access to fiber connections in order to deliver wifi access and bus arrival times to off-campus bus shelters just as they already do at on-campus bus stops.
2. The Urbana-Champaign Sanitary District operates two main waste treatment plants and seven pumping stations. They want big broadband to synchronize the pumping stations better with the treatment plants. This application gives an entirely new meaning to the term “critical institution.”
3. METCAD handles the county’s 911 calls and dispatches first responders. It becomes a public safety concern whenever their interagency and first responders radio system fails. They want UC2B’s fiber to provide a backup system for their lifesaving radio towers.

The letters in the supplemental information indicate all the solutions that our 137 critical partners (anchor institutions, public computer centers, and other partners) are ready to implement with big broadband.



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**10. Enhanced Services for Health Care Delivery, Education, and Children**

UC2B seeks to improve the quality of life of the community it will serve, in terms of health care, education, and the well-being of its children. It will partners with experienced institutions in each of these areas to do so. This will include building web resources for 12 sectors, including an extensive listing of useful websites, listservs to link professional organizations with the broad populations in need of their services, and digital content coming from the collaborations between UC2B and local individuals and organizations.

**Health Care:** One of our most important activities will be to fill the need for reliable health information by building a web portal that will expand via a FAQ process from public meetings and a UC2B listserv. UC2B will install/support/teach at workstations in CU public health clinics and bring big broadband to numerous health-related anchor institutions.

**Education:** Along with bring big broadband to education-related anchor institutions, UC2B will install/support/teach at workstations in the local adult education center. The cybernavigators and summer interns will be a teaching corps for all the community. They will make it the “in thing” to be computer literate and enjoy social networking and content moved across big broadband. By working with the community and drawing on various standards for computer literacy, we hope to have a community-sanctioned set of standards ranging from beginner to expert so that our network of labs will be able to credential itself. This process will in turn impact all local educational institutions and processes.

**Children:** UC2B’s work with children will focus on their extensive use of three library centers and take into account families as well as children. For example, Champaign’s Main Library has a special area for computer use by children. Adults can sit near them but not use the computers. Patrons have clamored for and UC2B will provide laptop computers that parents can check out and use while with their children. At Douglass Branch Library in the core underserved area, a lower-income, mainly African American community, UC2B will double the number of workstations from 10 to 20 and add 5 laptops as well. The area’s Head Start classrooms for children 3 to 5 years old each have one or two older computers; UC2B will upgrade most with one new workstation, big broadband, and appropriate software.

The University of Illinois is a national center for implementing Squeak programming language



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for children. UC2B will engage these developers in outreach to children in all 46 public computer centers, in the homeless shelters and elsewhere. A pilot carried out in Douglass Library drew a packed house. This will be a dynamic aspect of outreach/service to children.

**11. Small and Disadvantaged Business Involvement**

UC2B’s small and disadvantaged business involvement takes three forms.

1. An agreement in principle to contract with a socially/economically disadvantaged small business to clean/sanitize the machines at all 46 public computer centers. This is important in the era of H1N1 flu. UC2B is proud to have found a business to take this on.
2. Relating to infrastructure and aided by UC2B’s entrepreneurship-building aspects, UC2B and interested individuals from the local disadvantaged population have mapped out a two-step business development plan. This is necessary because small business concerns as defined by section 8a of the SMA 15 USC paragraph 637 are not evident in our area. Step one includes union electrician training for members of underrepresented and disadvantaged populations. (See letter from Champaign Telephone Company for their commitment to conducting this training program.) Step two is to carry out business formation and planning among those trained individuals. This is part of our plans for the sequence of classes in big broadband entrepreneurship and for big broadband business incubation at the Mad Lab. The result will be a newly operational big-broadband-based small business as defined by section 8a of the SMA 15 USC paragraph 637.
3. UC2B will emphasize big broadband entrepreneurship opportunities that advance underrepresented groups in Champaign-Urbana.

**E. Project Benefits**

**E-1 – Expanding Broadband Public Computer Center Capacity**

**Public Computer Center Capacity, Including Areas and Populations Served**

**12. Public Computer Centers Availability**

The UC2B network of public computer centers across the two cities will offer near-open availability of big-broadband-connected hardware and software. This is because it is a network



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that includes general access centers as well as more limited access centers serving a specific vulnerable population. None of the public computer centers charge specifically for use of computers or broadband, although some are part of programs that require applications and fees such as rent (e.g., senior housing).

General comprehensive access: We will have direct participation from all three public library locations: the Champaign Public Library, Champaign’s Douglass Branch Library, and the Urbana Free Library. In addition there are two major community centers that are generally open to all members of the community: Boys and Girls Clubs and the Independent Media Center.

Limited public access: The majority of the public computing opportunities are limited access to specific groups. This access is suited to the vulnerable populations they serve. The Developmental Services Center serves only disabled people of all types. The two women’s centers are safe houses for women in distress and their children. Head Start is limited to enrolled children. The Youth Detention Center public computers are only for residents, the same for senior housing. Many of the sites also allow use by visiting family members. The homeless facilities are open to the public, but are primarily used by residents of these respective facilities.

A third dimension of availability is home computer/big broadband access that complements the social spaces of public computer centers. In the UC2B proposal development process, local forces were able to open a long-desired channel for recycling computers out of the university into the homes of low-income and other vulnerable populations. Local public computer centers already recycle computers with great success and this will boost this activity, very important for securing big broadband adoption.

### **13. Restrictions on Public Computer 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 public computer centers require the usual deportment 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 public computer center practices active surveillance unless someone in the area complains or there is danger that adult content will be exposed to children.



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**14. Public Computer Centers 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. The university was one of the first wheelchair-accessible campuses in the nation decades ago, and today is a national leader in accessible web and software technology. That commitment extends to UC2B.

One of the 46 public computing centers is the Developmental Services Center. Its mission is to “enhance the lives of individuals with disabilities by providing services and supports which enable them to live, work, learn, and participate in their communities.” It was created in 1972 by the merger of four community organizations devoted to serving individuals with developmental disabilities and serves 1,400 individuals each year in Champaign and Ford counties. Its public computer center is just part of its larger program, and it has special equipment—hardware and software—for their clientele. They specialize in the area of accessibility and will be able to advise all of the other centers regarding this special needs population.

Most of the public computer centers have been involved at some stage in receiving public funding and have been required to meet standards for handicapped accessibility. In general we will have no center in the network that is not accessible to the disabled.

All of the senior centers have accessible facilities, as do the centers for homeless and women in distress. Every library and other public buildings are accessible for everyone as well.

While the buildings are accessible, over time we will have to make sure that other aspects of the public computing spaces can be fully useable as well. For people in wheelchairs we will have to make sure that they can easily move chairs so they can get access, and that the tables or desks do not prevent them 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 work out a reasonable solution.



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

**15. PCC - Center Locations, PCC - Center Capacity, PCC - Size and Scope of Target Audience.**

<b>PCC - Center Locations &amp; Center Capacity &amp; Size and Scope of Target Audience.</b>
<p>Public Computer Center: A Womans Place IT Center            Address Line 1: 1304 E Main St            Address Line 2:            City : Urbana            State: IL            Zip: 61802</p> <p>Computer Center Name /Type: A Womans Place IT Center            Average Hours Open to Public Per 120-hour Business Week: 120            Average Hours Open to Public Per 48-hour Weekend: 48            Current # of Broadband Workstations: 1            Proposed # of Broadband Workstations: 2            Current Facility Broadband Connection Speed (MBps): .26            Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: A Womans Place IT Center            Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000            # of Persons served per 120-hour business week (current): 15            # of Persons served per 48-hour weekend (current): 15            # of Persons served per 120-hour business week (proposed target): 30            # of Persons served per 48-hour weekend (proposed target): 30</p>
<p>Public Computer Center: Parkland on Mattis Digital Divide CTC            Address Line 1: 1307 N. Mattis            Address Line 2:            City : Champaign            State: IL            Zip: 61821</p> <p>Computer Center Name /Type: Parkland on Mattis Digital Divide CTC            Average Hours Open to Public Per 120-hour Business Week: 48            Average Hours Open to Public Per 48-hour Weekend: 0            Current # of Broadband Workstations: 19            Proposed # of Broadband Workstations: 19            Current Facility Broadband Connection Speed (MBps): 11.47            Proposed Facility Broadband Connection Speed (MBps): 100.00</p>





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

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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Computer Center Name: Parkland on Mattis Digital Divide CTC          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 30          # of Persons served per 48-hour weekend (current): 0          # of Persons served per 120-hour business week (proposed target): 60          # of Persons served per 48-hour weekend (proposed target): 0</p>
<p>Public Computer Center: The Urbana Free Library          Address Line 1: 210 West Green Street          Address Line 2:          City : Urbana          State: IL          Zip: 61801</p> <p>Computer Center Name /Type: The Urbana Free Library          Average Hours Open to Public Per 120-hour Business Week: 57          Average Hours Open to Public Per 48-hour Weekend: 13          Current # of Broadband Workstations: 65          Proposed # of Broadband Workstations: 81          Current Facility Broadband Connection Speed (MBps): 3.17          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: The Urbana Free Library          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 1140          # of Persons served per 48-hour weekend (current): 260          # of Persons served per 120-hour business week (proposed target): 2280          # of Persons served per 48-hour weekend (proposed target): 520</p>



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

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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Developmental Services Center  Address Line 1: 1304 West Bradley Ave  Address Line 2:  City : Champaign  State: IL  Zip: 61821</p> <p>Computer Center Name /Type: Developmental Services Center  Average Hours Open to Public Per 120-hour Business Week: 40  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 200  Proposed # of Broadband Workstations: 2  Current Facility Broadband Connection Speed (Mbps): .49  Proposed Facility Broadband Connection Speed (Mbps): 100.00</p> <p>Computer Center Name: Developmental Services Center  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 50  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 100  # of Persons served per 48-hour weekend (proposed target): 0</p>
<p>Public Computer Center: Urbana Adult Education  Address Line 1: 211 N. Race Street  Address Line 2:  City : Urbana  State: IL  Zip: 61801</p> <p>Computer Center Name /Type: Urbana Adult Education  Average Hours Open to Public Per 120-hour Business Week: 32  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 40  Proposed # of Broadband Workstations: 56  Current Facility Broadband Connection Speed (Mbps): 1.42  Proposed Facility Broadband Connection Speed (Mbps): 100.00</p> <p>Computer Center Name: Urbana Adult Education  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 185  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 370</p>





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

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<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: The Center for Women in Transition  
 Address Line 1: 508 E Church Street  
 Address Line 2:  
 City : Champaign  
 State: IL  
 Zip: 61820

Computer Center Name /Type: The Center for Women in Transition  
 Average Hours Open to Public Per 120-hour Business Week: 120  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 13  
 Proposed # of Broadband Workstations: 19  
 Current Facility Broadband Connection Speed (MBps): 1.47  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: The Center for Women in Transition  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 48  
 # of Persons served per 48-hour weekend (current): 49  
 # of Persons served per 120-hour business week (proposed target): 96  
 # of Persons served per 48-hour weekend (proposed target): 96



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

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<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Bethel Church          Address Line 1: 401 East Park          Address Line 2:          City : Champaign          State: IL          Zip: 61820</p> <p>Computer Center Name /Type: Bethel Church          Average Hours Open to Public Per 120-hour Business Week: 20          Average Hours Open to Public Per 48-hour Weekend: 20          Current # of Broadband Workstations: 2          Proposed # of Broadband Workstations: 4          Current Facility Broadband Connection Speed (MBps): .83          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Bethel Church          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 30          # of Persons served per 48-hour weekend (current): 30          # of Persons served per 120-hour business week (proposed target): 40          # of Persons served per 48-hour weekend (proposed target): 60</p>
<p>Public Computer Center: Canaan Church          Address Line 1: 404 West Main          Address Line 2:          City : Urbana          State: IL          Zip: 61801</p> <p>Computer Center Name /Type: Canaan Church          Average Hours Open to Public Per 120-hour Business Week: 20          Average Hours Open to Public Per 48-hour Weekend: 20          Current # of Broadband Workstations: 2          Proposed # of Broadband Workstations: 4          Current Facility Broadband Connection Speed (MBps): 1.79          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Canaan Church          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 30          # of Persons served per 48-hour weekend (current): 20          # of Persons served per 120-hour business week (proposed target): 40</p>



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 40

Public Computer Center: Church of the Brethren  
 Address Line 1: 1210 N Neil St  
 Address Line 2:  
 City : Champaign  
 State: IL  
 Zip: 61820

Computer Center Name /Type: Church of the Brethren  
 Average Hours Open to Public Per 120-hour Business Week: 50  
 Average Hours Open to Public Per 48-hour Weekend: 0  
 Current # of Broadband Workstations: 9  
 Proposed # of Broadband Workstations: 13  
 Current Facility Broadband Connection Speed (MBps): .63  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Church of the Brethren  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 10  
 # of Persons served per 48-hour weekend (current): 0  
 # of Persons served per 120-hour business week (proposed target): 15  
 # of Persons served per 48-hour weekend (proposed target): 0



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Salem Church  Address Line 1: 500 East Park Street  Address Line 2:  City : Champaign  State: IL  Zip: 61820</p> <p>Computer Center Name /Type: Salem Church  Average Hours Open to Public Per 120-hour Business Week: 20  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 4  Proposed # of Broadband Workstations: 4  Current Facility Broadband Connection Speed (MBps): .75  Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Salem Church  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 15  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 20  # of Persons served per 48-hour weekend (proposed target): 0</p>
<p>Public Computer Center: Boys and Girls Club  Address Line 1: 201 East Park  Address Line 2:  City : Champaign  State: IL  Zip: 61820</p> <p>Computer Center Name /Type: Boys and Girls Club  Average Hours Open to Public Per 120-hour Business Week: 75  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 21  Proposed # of Broadband Workstations: 21  Current Facility Broadband Connection Speed (MBps): .43  Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Boys and Girls Club  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 150  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 150</p>



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

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<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: Urbana-Champaign Independent Media Center  
 Address Line 1: 202 South Broadway  
 Address Line 2:  
 City : Urbana  
 State: IL  
 Zip: 61801

Computer Center Name /Type: Urbana-Champaign Independent Media Center  
 Average Hours Open to Public Per 120-hour Business Week: 30  
 Average Hours Open to Public Per 48-hour Weekend: 12  
 Current # of Broadband Workstations: 13  
 Proposed # of Broadband Workstations: 17  
 Current Facility Broadband Connection Speed (MBps): 1.00  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Urbana-Champaign Independent Media Center  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 220  
 # of Persons served per 48-hour weekend (current): 140  
 # of Persons served per 120-hour business week (proposed target): 220  
 # of Persons served per 48-hour weekend (proposed target): 140



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Head Start  Address Line 1: 809 North Neil  Address Line 2:  City : Champaign  State: IL  Zip: 61822</p> <p>Computer Center Name /Type: Head Start  Average Hours Open to Public Per 120-hour Business Week: 40  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 6  Proposed # of Broadband Workstations: 6  Current Facility Broadband Connection Speed (MBps): 1.83  Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Head Start  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 60  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 60  # of Persons served per 48-hour weekend (proposed target): 0</p>
<p>Public Computer Center: CU Public Health  Address Line 1: 201 W. Kenyon Rd  Address Line 2:  City : Champaign  State: IL  Zip: 61820</p> <p>Computer Center Name /Type: CU Public Health  Average Hours Open to Public Per 120-hour Business Week: 40  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 2  Proposed # of Broadband Workstations: 4  Current Facility Broadband Connection Speed (MBps): 3.71  Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: CU Public Health  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 200  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 200</p>



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: Catholic Worker House  
 Address Line 1: 317 South Randolph  
 Address Line 2:  
 City : Champaign  
 State: IL  
 Zip: 61820

Computer Center Name /Type: Catholic Worker House  
 Average Hours Open to Public Per 120-hour Business Week: 120  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 1  
 Proposed # of Broadband Workstations: 2  
 Current Facility Broadband Connection Speed (MBps): 1.12  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Catholic Worker House  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 30  
 # of Persons served per 48-hour weekend (current): 48  
 # of Persons served per 120-hour business week (proposed target): 30  
 # of Persons served per 48-hour weekend (proposed target): 96



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

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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Restoration Urban Ministries          Address Line 1: 1213 Parkland Court          Address Line 2:          City : Champaign          State: IL          Zip: 61821</p> <p>Computer Center Name /Type: Restoration Urban Ministries          Average Hours Open to Public Per 120-hour Business Week: 40          Average Hours Open to Public Per 48-hour Weekend: 0          Current # of Broadband Workstations: 6          Proposed # of Broadband Workstations: 10          Current Facility Broadband Connection Speed (MBps): .65          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Restoration Urban Ministries          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 91          # of Persons served per 48-hour weekend (current): 0          # of Persons served per 120-hour business week (proposed target): 91          # of Persons served per 48-hour weekend (proposed target): 0</p>
<p>Public Computer Center: TIMES Men's Emergency Shelter          Address Line 1: 70 East Washington St          Address Line 2:          City : Champaign          State: IL          Zip: 61820</p> <p>Computer Center Name /Type: TIMES Men's Emergency Shelter          Average Hours Open to Public Per 120-hour Business Week: 40          Average Hours Open to Public Per 48-hour Weekend: 0          Current # of Broadband Workstations: 1          Proposed # of Broadband Workstations: 2          Current Facility Broadband Connection Speed (MBps): 1.13          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: TIMES Men's Emergency Shelter          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 25          # of Persons served per 48-hour weekend (current): 0          # of Persons served per 120-hour business week (proposed target): 25</p>





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

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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: HACC Dorsey Homes  
 Address Line 1: 1100 Dorsey Dr  
 Address Line 2:  
 City : Champaign  
 State: IL  
 Zip: 61821

Computer Center Name /Type: HACC Dorsey Homes  
 Average Hours Open to Public Per 120-hour Business Week: 60  
 Average Hours Open to Public Per 48-hour Weekend: 14  
 Current # of Broadband Workstations: 4  
 Proposed # of Broadband Workstations: 4  
 Current Facility Broadband Connection Speed (MBps): 3.11  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: HACC Dorsey Homes  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 35  
 # of Persons served per 48-hour weekend (current): 35  
 # of Persons served per 120-hour business week (proposed target): 50  
 # of Persons served per 48-hour weekend (proposed target): 50



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

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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Champaign Public Library          Address Line 1: 200 West Green          Address Line 2:          City : Champaign          State: IL          Zip: 61820</p> <p>Computer Center Name /Type: Champaign Public Library          Average Hours Open to Public Per 120-hour Business Week: 60          Average Hours Open to Public Per 48-hour Weekend: 14          Current # of Broadband Workstations: 88          Proposed # of Broadband Workstations: 98          Current Facility Broadband Connection Speed (Mbps): .90          Proposed Facility Broadband Connection Speed (Mbps): 100.00</p> <p>Computer Center Name: Champaign Public Library          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 15000          # of Persons served per 48-hour weekend (current): 3000          # of Persons served per 120-hour business week (proposed target): 15000          # of Persons served per 48-hour weekend (proposed target): 3000</p>
<p>Public Computer Center: Douglas Branch Library          Address Line 1: 504 East Grove          Address Line 2:          City : Champaign          State: IL          Zip: 61820</p> <p>Computer Center Name /Type: Douglas Branch Library          Average Hours Open to Public Per 120-hour Business Week: 48          Average Hours Open to Public Per 48-hour Weekend: 6          Current # of Broadband Workstations: 10          Proposed # of Broadband Workstations: 15          Current Facility Broadband Connection Speed (Mbps): 1.43          Proposed Facility Broadband Connection Speed (Mbps): 100.00</p> <p>Computer Center Name: Douglas Branch Library          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 300          # of Persons served per 48-hour weekend (current): 100          # of Persons served per 120-hour business week (proposed target): 400</p>



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

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<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 130

Public Computer Center: Youth Detention Center  
 Address Line 1: 400 S. Art Bartell Rd  
 Address Line 2:  
 City : Urbana  
 State: IL  
 Zip: 61802

Computer Center Name /Type: Youth Detention Center  
 Average Hours Open to Public Per 120-hour Business Week: 40  
 Average Hours Open to Public Per 48-hour Weekend: 0  
 Current # of Broadband Workstations: 2  
 Proposed # of Broadband Workstations: 4  
 Current Facility Broadband Connection Speed (MBps): 3.71  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Youth Detention Center  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 40  
 # of Persons served per 48-hour weekend (current): 0  
 # of Persons served per 120-hour business week (proposed target): 40  
 # of Persons served per 48-hour weekend (proposed target): 0



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

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<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Canterbury Ridge          Address Line 1: 1706 East Amber          Address Line 2:          City : Urbana          State: IL          Zip: 61802</p> <p>Computer Center Name /Type: Canterbury Ridge          Average Hours Open to Public Per 120-hour Business Week: 120          Average Hours Open to Public Per 48-hour Weekend: 48          Current # of Broadband Workstations: 2          Proposed # of Broadband Workstations: 2          Current Facility Broadband Connection Speed (MBps): 1.37          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Canterbury Ridge          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 75          # of Persons served per 48-hour weekend (current): 75          # of Persons served per 120-hour business week (proposed target): 75          # of Persons served per 48-hour weekend (proposed target): 75</p>
<p>Public Computer Center: Champaign County Nursing Home          Address Line 1: 1701 East Main          Address Line 2:          City : Urbana          State: IL          Zip: 61802</p> <p>Computer Center Name /Type: Champaign County Nursing Home          Average Hours Open to Public Per 120-hour Business Week: 120          Average Hours Open to Public Per 48-hour Weekend: 48          Current # of Broadband Workstations: 4          Proposed # of Broadband Workstations: 4          Current Facility Broadband Connection Speed (MBps): 1.12          Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Champaign County Nursing Home          Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000          # of Persons served per 120-hour business week (current): 90          # of Persons served per 48-hour weekend (current): 90          # of Persons served per 120-hour business week (proposed target): 90</p>



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

<b>Submitted Date:</b> 8/20/2009 3:22:10 PM		<b>Easygrants ID:</b> 2964	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

# of Persons served per 48-hour weekend (proposed target): 90

Public Computer Center: Clark Lindsey Village  
 Address Line 1: 101 W Windsor Road  
 Address Line 2:  
 City : Urbana  
 State: IL  
 Zip: 61802

Computer Center Name /Type: Clark Lindsey Village  
 Average Hours Open to Public Per 120-hour Business Week: 120  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 6  
 Proposed # of Broadband Workstations: 10  
 Current Facility Broadband Connection Speed (MBps): 4.70  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Clark Lindsey Village  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 250  
 # of Persons served per 48-hour weekend (current): 250  
 # of Persons served per 120-hour business week (proposed target): 250  
 # of Persons served per 48-hour weekend (proposed target): 250



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

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<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> University of Illinois Urbana Champaign	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Edge of Mall Senior Residence  Address Line 1: 109 W Illinois St  Address Line 2:  City : Urbana  State: IL  Zip: 61801</p> <p>Computer Center Name /Type: Edge of Mall Senior Residence  Average Hours Open to Public Per 120-hour Business Week: 120  Average Hours Open to Public Per 48-hour Weekend: 48  Current # of Broadband Workstations: 0  Proposed # of Broadband Workstations: 2  Current Facility Broadband Connection Speed (Mbps): 1.67  Proposed Facility Broadband Connection Speed (Mbps): 100.00</p> <p>Computer Center Name: Edge of Mall Senior Residence  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 110  # of Persons served per 48-hour weekend (current): 110  # of Persons served per 120-hour business week (proposed target): 110  # of Persons served per 48-hour weekend (proposed target): 110</p>
<p>Public Computer Center: Florida House  Address Line 1: 1502 East Florida  Address Line 2:  City : Urbana  State: IL  Zip: 61802</p> <p>Computer Center Name /Type: Florida House  Average Hours Open to Public Per 120-hour Business Week: 120  Average Hours Open to Public Per 48-hour Weekend: 48  Current # of Broadband Workstations: 1  Proposed # of Broadband Workstations: 2  Current Facility Broadband Connection Speed (Mbps): 2.43  Proposed Facility Broadband Connection Speed (Mbps): 100.00</p> <p>Computer Center Name: Florida House  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 45  # of Persons served per 48-hour weekend (current): 45  # of Persons served per 120-hour business week (proposed target): 45</p>



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Public Computer Centers Program – Sustainable Adoption Program**

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# of Persons served per 48-hour weekend (proposed target): 45

Public Computer Center: Inman Plaza  
 Address Line 1: 17 East University  
 Address Line 2:  
 City : Champaign  
 State: IL  
 Zip: 61820

Computer Center Name /Type: Inman Plaza  
 Average Hours Open to Public Per 120-hour Business Week: 48  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 1  
 Proposed # of Broadband Workstations: 2  
 Current Facility Broadband Connection Speed (MBps): .39  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Inman Plaza  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 11300250  
 # of Persons served per 120-hour business week (current): 6  
 # of Persons served per 48-hour weekend (current): 6  
 # of Persons served per 120-hour business week (proposed target): 25  
 # of Persons served per 48-hour weekend (proposed target): 25



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

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Public Computer Center: Prairie Winds of Urbana  
 Address Line 1: 1905 E Prairie Winds Ave  
 Address Line 2:  
 City : Urbana  
 State: IL  
 Zip: 61802

Computer Center Name /Type: Prairie Winds of Urbana  
 Average Hours Open to Public Per 120-hour Business Week: 120  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 0  
 Proposed # of Broadband Workstations: 2  
 Current Facility Broadband Connection Speed (Mbps): .00  
 Proposed Facility Broadband Connection Speed (Mbps): 100.00

Computer Center Name: Prairie Winds of Urbana  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 160  
 # of Persons served per 48-hour weekend (current): 160  
 # of Persons served per 120-hour business week (proposed target): 160  
 # of Persons served per 48-hour weekend (proposed target): 160

Public Computer Center: Round Barn Manor  
 Address Line 1: 2000 W John St  
 Address Line 2:  
 City : Champaign  
 State: IL  
 Zip: 61821

Computer Center Name /Type: Round Barn Manor  
 Average Hours Open to Public Per 120-hour Business Week: 120  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 3  
 Proposed # of Broadband Workstations: 5  
 Current Facility Broadband Connection Speed (Mbps): .32  
 Proposed Facility Broadband Connection Speed (Mbps): 100.00

Computer Center Name: Round Barn Manor  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 125  
 # of Persons served per 48-hour weekend (current): 125  
 # of Persons served per 120-hour business week (proposed target): 125





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

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# of Persons served per 48-hour weekend (proposed target): 125

Public Computer Center: Sunny Crest Manor  
 Address Line 1: 1805 S Cottage Grove Ave  
 Address Line 2:  
 City : Urbana  
 State: IL  
 Zip: 61801

Computer Center Name /Type: Sunny Crest Manor  
 Average Hours Open to Public Per 120-hour Business Week: 120  
 Average Hours Open to Public Per 48-hour Weekend: 48  
 Current # of Broadband Workstations: 2  
 Proposed # of Broadband Workstations: 2  
 Current Facility Broadband Connection Speed (MBps): .73  
 Proposed Facility Broadband Connection Speed (MBps): 100.00

Computer Center Name: Sunny Crest Manor  
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  
 # of Persons served per 120-hour business week (current): 66  
 # of Persons served per 48-hour weekend (current): 66  
 # of Persons served per 120-hour business week (proposed target): 66  
 # of Persons served per 48-hour weekend (proposed target): 66



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

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<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

<p>Public Computer Center: Windsor of Savoy  Address Line 1: 401 Burwash Ave  Address Line 2:  City : Savoy  State: IL  Zip: 61874</p> <p>Computer Center Name /Type: Windsor of Savoy  Average Hours Open to Public Per 120-hour Business Week: 120  Average Hours Open to Public Per 48-hour Weekend: 48  Current # of Broadband Workstations: 4  Proposed # of Broadband Workstations: 6  Current Facility Broadband Connection Speed (MBps): 2.73  Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Windsor of Savoy  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 210  # of Persons served per 48-hour weekend (current): 210  # of Persons served per 120-hour business week (proposed target): 210  # of Persons served per 48-hour weekend (proposed target): 210</p>
<p>Public Computer Center: Mad Lab  Address Line 1: 804 N 5th St  Address Line 2:  City : Champaign  State: IL  Zip: 61820</p> <p>Computer Center Name /Type: Mad Lab  Average Hours Open to Public Per 120-hour Business Week: 0  Average Hours Open to Public Per 48-hour Weekend: 0  Current # of Broadband Workstations: 0  Proposed # of Broadband Workstations: 21  Current Facility Broadband Connection Speed (MBps): .00  Proposed Facility Broadband Connection Speed (MBps): 100.00</p> <p>Computer Center Name: Mad Lab  Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 113000  # of Persons served per 120-hour business week (current): 0  # of Persons served per 48-hour weekend (current): 0  # of Persons served per 120-hour business week (proposed target): 295</p>



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

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# of Persons served per 48-hour weekend (proposed target): 70

**16. PCC- SBA Population Demographics**

<b>Age Distribution</b>
Age Distribution: 70 and above
Age Distribution: 60-69
Age Distribution: 50-59
Age Distribution: 40-49
Age Distribution: 30-39
Age Distribution: 20-29
Age Distribution: 5-19
Age Distribution: 0-4

<b>Ethnicity or ethnicities</b>
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**Broadband Technology Opportunities Program  
Public Computer Centers Program – Sustainable Adoption Program**

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Ethnicity: Hispanic
Ethnicity: Non-Hispanic White
Ethnicity: Non-Hispanic Black
Ethnicity: Non-Hispanic American Indian
Ethnicity: Non-Hispanic Asian
Ethnicity: Non-Hispanic Hawaiian or Pacific Islander
Ethnicity: Non-Hispanic Other
Ethnicity: Two or More Races

<b>Gender</b>
Gender: Female
Gender: Male

<b>Median Household Income</b>
Median Household Income: \$25,000 - \$34,999
Median Household Income: \$35,000 - \$49,999

<b>Educational Levels</b>
Educational Levels: Nursery school - Preschool
Educational Levels: Elementary - Kindergarten - Grade 5
Educational Levels: Middle - Grade 6 to Grade 8
Educational Levels: Secondary - Grade 9 to Grade 12



**Broadband Technology Opportunities Program  
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Educational Levels: College
Educational Levels: Masters
Educational Levels: Doctorate/Post-Doctorate

<b>Disabilities status</b>
Disabilities status : Blindness, Deafness or a severe vision or hearing impairment
Disabilities status : A condition that substantially limits one or more basic physical activities such as walking, climbing stairs, reaching, lifting or carrying
Disabilities status : A physical, mental or emotional condition lasting 6 months or more

<b>Unemployment Rate</b>
Unemployment Rate: 9.40

<b>Language</b>
Language : English - Primary
Language : English - Second Language
Language : Non-English Speakers

**17. Public Computer Centers Outreach**

UC2B's outreach strategy is based on its critical social institution partners. Their constituencies have a strong demand for broadband: while they have some, they don't have enough. UC2B is answering this demand.

1. Outreach has already started. Negotiations with institutions, three public forums attended by 50+ people each (representing more than 100 organizations), open city council subcommittee



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meetings, media coverage, and a door-to-door survey have alerted many to the coming big broadband opportunity.

2. Hiring local people is outreach. This outreach will be through family, friendship, and institutional networks. UC2B Above Ground will pull these social networks into its centers. This will legitimate the new UC2B staff and increase their standing in the community. It will enlist family and friends as an informal support network for UC2B.

3. UC2B will use TV, radio, and print aimed at the entire community and audiences such as Latinos, African Americans, students, and so on. UC2B will document best practices and examples in these outlets via press releases, interviews, photos, articles, and audio/video.

4. UC2B outreach will feature what people produce in the centers. This will help move local cultural awareness from traditional formats to digital formats that take advantage of big broadband connectivity, promoting/celebrating the digital artifacts of cultural production.

5. UC2B will encourage people to download other people's content and even more importantly to upload their own content. UC2B training/support is not only intended to promote the usual sanctioned standards for computer literacy, but also literacy with which people can create digital artifacts of culture and consciousness that reflect the history, condition, and future of the community, what it thinks of itself and society, and what it is going to do about making the future a fulfillment of their dreams. We will be encouraging people to dream in cyberspace and make their dreams become reality.

6. UC2B will convene an annual community conference, including a report by the UC2B policy committee, a review of service with all providers present, the sharing of experiences among public computer centers, a computer fair and competition, a keynote address, sessions of papers, panels, and posters from scholars and students, and tours of public computer centers and university computer facilities—altogether a celebration of digital culture and big broadband.

7. Staff will attend every community organization meeting possible, pitching big broadband to local leaders from the PTA to the health coalition to the NAACP with brochures and comments about the utility of public computer centers and big broadband connections for their organization. This reflects UC2B's model of community as having a network of leaders: they



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know each other, and they need to know about UC2B. Big Broadband Sunday will be key here.

**Public Computer Center Capacity: Training and Educational Programs**

**18. Public Computer Centers Peripherals and Equipment**

164 desktops will be distributed across the network of 46 public computer centers. These will be dual-boot (Mac and Windows) iMac 20” machines with locks and repair warranties. With extra memory to remain functional longer than usual configurations, unit cost \$1500.

54 laptops will be distributed to 29 staff and three libraries which have specific needs for mobile use by patrons. Staff will move around the two cities and need laptops for productivity and for demonstrating big broadband usefulness to others. With repair warranties. Unit cost \$1300.

One laptop will be used to regularly reimage the desktops and laptops. Pushing a new image across the big broadband network, which technically possible since it will be like one big LAN may not always be desirable. In some cases reimaging can be part of the regular visits to each center, which will be moment for sharing news, solving problems and building social capital. Unit cost \$3400 with free OS X server upgrades for three years, and will be loaded.

Three desktops will provide the foundation for music/media and digitization work in the Mad Lab. Specially configured dual-boot Mac Pros, unit cost \$6165.

One server will provide listserv and web services from the Mad Lab. Rack- mounted Xserve running OS X server with RAID, multiple disks, unit cost \$7500.

Additional items include group printers, a copier, music/media devices, scanners, cameras, stands and racks, analog players, cables, and other networking equipment.

**19. Public Computer Centers Workstation Software**

The 164 desktops distributed across the network of 46 public computer centers will be dual boot (Windows and Mac OS), installed with Microsoft Office, antivirus, and a range of



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free applications. Emphasis here will be on educational and social games, Squeak and other programming tools, sound and video, creating/working with images, and basic but versatile video/audioconferencing. The 54 laptops distributed to 29 staff and three libraries will have the same and will be work tools and demonstration tools.

Three desktops for specialized work in the music/media space and the digitization space of the Mad Lab will be specially built with professional quality software such as Final Cut Suite, Logic Studio, Aperture, and others as well as a range of open source tools common to digitization projects such as Google Books, the Open Access Initiative, and Project Gutenberg.

The strong local Linux community is also interested in collaborating with UC2B to introduce people in the centers to Linux as a third operating system.

## **20. Public Computer Centers Training and Education Programs**

UC2B's training and education programs are based on its understanding of literacy of all types: computer literacy, information literacy, and literacy per se (reading and writing).

The collective experience in community informatics at the University of Illinois includes at least six different sets of curriculum materials. This provides a rich set of resources on which UC2B will build. We will also use the general standards adopted in Europe, the European Computer Driving License (<http://www.ecdl.org/publisher/index.jsp>). We will also use the five curricula recommended by the Community Technology Centers' Network: (<http://ctcnet.org/what/resources/msup/adaptedcurricula.htm>).

For local buy-in and local content, a team of UC2B staff and staff from the existing public computer centers will assemble a basic curriculum for computer literacy.

Another basic feature of UC2B will be to build a web portal to include all of the sectors of our community that we are serving, so that everyone enters the same virtual community. As a network of labs we are embracing everyone in the community. We will start with where people are, and then we will work to bring everyone together. Graduate students will build comprehensive resource lists and aggregate an FAQ.

Our basic plan is to hire a group of 17 part-time cybernavigators to work across the entire





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UC2B network. The job will require experience in one of the sectors UC2B will serve as well as several years experience, a degree, or coursework in computer science and/or a helping profession. The interview will include taking a test to demonstrate proficiency in information technology. There are active computer science programs in area high schools and at Parkland Community College (<http://your.parkland.edu/academics/departments/csit>) to draw from. The priority is to hire from the target areas for the UC2B Below Ground. UC2B aims to create jobs for people who come from the areas of greatest focus in both the ARRA legislation and the BTOP NOFA.

Teams of cybernavigators will specialize in sectors of our community. For example, cybernavigators will service 10 senior centers and become experts in computer education for seniors. This involves the team as individuals spending one morning a week in each of the senior centers. As we will be using video conferencing in each place we anticipate a reservation schedule for half-hour sessions by which the seniors can have a video chat with family members. We expect this to be a popular application, so we will organize the early adopters to assist other seniors who might find it more convenient to videoconference at night or on weekends. There will also be an emphasis on sending holiday cards, uploading and downloading pictures, storing files on an external storage device, and even playing virtual bingo or other games they choose, by networking all of the senior centers in a citywide tournament!

For instance, we will work with the women’s shelters to recruit someone who knows their mission and clientele and brings a special sensitivity to their needs—the need to recover, to get reoriented, to get back on one’s feet with a job and a home, to keep one’s children optimistic and engaged for the future, and to have some fun to stabilize and give love to the children.

Some basic lessons we have learned from previous work:

1. It is best to teach basic computing skills in relation to content and not as isolated technical skills.
2. Games are very popular and can be very educational. In our ABC classes (Adult Basic Computing) we have often taught the use of the mouse by helping people learn how to play solitaire on the computer. Other people are keenly interested in playing and developing games.



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3. People often learn best in groups of friends, in a safe space.
4. Learning is reinforced when people teach others something they have recently learned.
5. Memorization is the basis for creativity. Examples range from the artist Michelangelo and his countless anatomical drawings to saxophonist John Coltrane, who memorized and practiced every musical scale of both Western and Eastern cultures.

## **E-2- Project Benefits – Sustainable BroadBand Adoption**

### **21. Innovative Approach to Sustainable Broadband Adoption**

UC2B plans a qualitative leap into big broadband by taking the community of Urbana-Champaign as one integrated social system. It aims at 46 public computer centers while also involving a total of 137 critical social institutions that make up UC2B. In a town dominated by world-class, world-leading technology initiatives, the community-level digital divide can and will come to an end, based on a bold and comprehensive plan. That plan is UC2B.

Our innovation is:

1. UC2B will be a network of 46 public computer centers with local staff supported by 17 cybernavigators (teachers, helpers) and technical staff.
2. UC2B will cover 12 areas of social life: education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors.
3. UC2B will be sustainable, part of the local cyberinfrastructure.
4. UC2B will cover the spectrum from basic computing skills to high end multimedia production.

UC2B will harness the energy of the community to become uploaders, producers of digital content. Our first target is the cultural history of the vulnerable population which is also the voiceless in the digital age. The digital content of UC2B will gather and present the voices of the vulnerable populations, their stories in their words, images, and sounds.



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Our media capacity will enable us to create our own educational video segments on our entire curriculum and post these online for the public here and throughout the country. UC2B will extend Champaign-Urbana’s national leadership in community informatics.

Exemplary activities will include:

1. Big Broadband Sunday: staff will visit 25 churches each quarter to speak with people about UC2B and bear witness to our good works.
2. Monthly digitization projects: the Mad Lab will partner with community organizations to digitize key documents of their experience (text, photos, sound and video, film, and of course digital files) and build websites containing all this information.
3. UC2B will rely on active community guidance via a) its community advisory board, b) an independent organization of public computer centers, and c) regular community-based focus groups.

UC2B approaches the cities of Champaign and Urbana as a social system and not an aggregation of public computing centers or households. People move through many places in the course of a week or month. It is useful to have some level of transparency and articulation so that flash drives, software, hardware, and so on are relatively standardized and planned for optimal use by everyone. UC2B deals with several axes of social inequality that make for vulnerability (e.g., low incomes, minimal education, public housing, homelessness, women in distress), so we must maintain standards because a high level of literacy is our goal for all members of the community. UC2B is building a comprehensive program; that is the baseline for our innovative approach.

**22. Sustainable Broadband Adoption Household Subscribers.**

How many total new home subscribers (household accounts) to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded?

**23. Sustainable Broadband Adoption Institutional Subscribers.**

How many total new business and/or institutional subscribers to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded?

**24. Sustainable Broadband Adoption Users of Public Access Facilities.**



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How many total **users** of broadband in public computer centers or **users** of broadband **outside the home** (e.g., in a community college) do you expect to generate through use of BTOP funds over the entire life of the program funded?

**25. Sustainable Broadband Adoption Population Demographics.**

Please refer to PCC – SBA Demographics section (Section E1- Question 17)

**26. Sustainable Broadband Adoption People Trained/Educated.**

If you intend to provide training or education, how many people **in total** will your program(s) reach?

**27. Sustainable Broadband Adoption - Scope of Training/Education Programs.**

How many hours of training do you expect to provide *per person on average* for each participant in your training program(s), through completion of training for that individual? If you will offer multiple programs, provide estimates for each program.

**28. Sustainable Broadband Adoption Instructor Qualifications.**

How many (FTE) instructors/facilitators will you employ for broadband and digital literacy training purposes, and what are their qualifications (training and experience)?

Senior staff resumes are attached. Other instructors include 17 cybernavigators, 5 Mad Lab workers, and 50 summer interns. Draft job announcements/hiring procedures are below.

a. Cybernavigators.

UC2B is hiring 17 half-time workers to help people use big-broadband-connected computers at community locations across Champaign-Urbana and in 12 sectors including education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors. Big broadband is new to C-U and you will be helping people do new things with it. You will work in a networked organization on a team that is constantly learning. You will be assigned to a set of public computing centers and one or more of the sectors listed above. You must be:

- \* knowledgeable and willing to learn more about hardware, software, and new uses of IT
- \* excited about educating others about these
- \* familiar with one of the sectors above
- \* able to move around town every week

Several years experience and/or a degree/coursework in computers and/or the helping professions is highly desirable. A skills/knowledge test is part of the interview. Tell us why we should hire you. Write/send your resume to jobs@uc2b...



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Public Computer Centers Program – Sustainable Adoption Program**

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b. Mad Lab workers.

UC2B is hiring 5 full time staff, undergraduates or other capable individuals, to assist in its Mad Lab, opening May 2010 in Douglass Park, Champaign. Two kinds of positions will be filled:

1. reporting to the IT director, installing/maintaining workstations and other digital devices in existing/planned public computer centers serving low income, disabled, senior, or otherwise vulnerable populations and liaising with tech and user support at those centers;
2. reporting to the Digital/Cultural Production director, installing, operating, teaching and supporting people in using tools for a) creating/distributing sound, video, and other digital media/programming, b) digitizing content including paper, books, audio/videotape of all sizes, 3-D objects, and c) teleconferencing locally or globally.

We seek individuals who can perform on a diverse team and continue to learn. Programming and digital production skills are a plus. A skills/knowledge test is part of the interview. Tell us why we should hire you. Write/send your resume to [jobs@uc2b...](mailto:jobs@uc2b...)

c. Summer interns.

These individuals will be screened as they complete Big Broadband Spring / Intro. They will be interviewed in May by one or more cybernavigators, and, if approved, assigned in teams to carry out Institutional Transformation through Information Technology (IT-squared) with a partnering organization from one of the 12 sectors.

Cleaners will train by their example of expert meticulous workstation cleaning.

UC2B Above Ground will carry out vigorous internal education for staff. This will prevent an internal digital divide with UC2B Below Ground. All instructors listed above will attend weekly lectures of Big Broadband Spring / Intro.

**29. Sustainable Broadband Adoption Equipment Purchased.**



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How many broadband-related equipment units (e.g. computers, wireless devices) do you intend to purchase overall?

**30. Sustainable Broadband Adoption Cost of Devices.**

What is the total up-front cost of this equipment?

**31. Sustainable Broadband Adoption Loan Program Participants.**

If you are providing an equipment purchase or loan program, for how many households, businesses and/or institutions do you expect to provide equipment or computers?

**Number of Households:**

**Number of Businesses:**

**Number of Institutions:**

**32. Sustainable Broadband Adoption Loan Cost to Borrower.**

If you are employing a loan program for purchases of service or equipment, what will be the total cost to the typical customer you assist over the life of the loan, including all interest and fees?

**33. Sustainable Broadband Adoption Target Population, Awareness Campaign.**

If you are conducting an awareness campaign, how many people do you expect your campaign will reach?

**34. Sustainable Broadband Adoption Awareness Campaign Methods**

We will be using a comprehensive approach to raising consciousness about big broadband, what it is, how people are using it, and best practices for people in the various sectors we are actively working in via our public computing centers. The general thrust of big broadband use will be conveyed in situation-specific projects. As a word of mouth, demonstration, local outreach/marketing campaign, the general idea is, "Here is what your neighbors are doing, maybe it's something you might be interested in as well."

As directed in the NOFA, UC2B will be targeting underserved areas, vulnerable populations, and critical social institutions (anchor institutions and public computer centers).

1. The 12 sectors we will be working with each have a community of organizations, key players, and mechanisms of communication and networking. The 12 sectors are: education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors. For each sector we will build a web portal with resources and FAQs that will be constructed by the staff of each relevant public computing center.

2. A major push during the first rollout of connectivity will be to have a Big Broadband Sunday during which volunteers will attend churches in our main areas served by the public computing centers, especially the target area for our FTTP project. They will have laptops and handout material to advertise the project, to discuss the importance of big broadband and how people





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are using it in the broader community. This is being arranged through the area wide Ministerial Alliance of Champaign County who have indicated the support for this project.

3. As an annual event we will be using the UC2B annual community conference as a major awareness moment and mobilization campaign. If each community computing center brings 10 people, and we mobilize our student base, as well as community members at large we will have an annual conference of at least 500 people. This is one in every 171 people in the two cities.

The program will include a report by the UC2B policy committee, annual review of service with all providers present, annual review of public computing centers, a computer fair and competition, a keynote address, sessions of formal papers, panels, and posters from scholars and students, and tours of public computing sites and university computer facilities, and a celebration of digital art and big broadband.

Part of our awareness campaign will involve the media.

1. There are several local newspapers that we will use as media outlets. A monthly column will be published by UC2B in order to publicize best practices in the public computing centers. This information will be culled from quarterly reports, and staff reports. This will be attempt to get a diversity of voices and experiences in front of the total community, both to celebrate success and to use best practices as stimulation for replication.

2. WILL, the local university affiliated education radio and TV station will be an active partner with UC2B. They have been documenting the big broadband activities and will continue to do so. They are the first public radio AM station in the US and has a great track record of public awareness for all kinds of information technology (<http://will.illinois.edu/>).

3. Each fall the course Big Broadband 101 (Intro) will be video taped and broadcast as a webinar. This will be a series enjoyed by the entire community and be a major contribution by the University of Illinois to awareness of big broadband, its history and how it will be used in the UC2B project.

Finally our project awareness campaign will be placed in the hands of the staff and participants.



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1. A major awareness tool will be a community wide Wiki designed to recruit community members to upload information about their lives and the aspects of the community they deem important like biographies of key people, entries on institutions and organizations, events and historical chronology,

2. All of the staff will be encouraged to use the social networking sites set up by UC2B, including Face book, My space, and Twitter. We will teach people about these tools and encourage them to build participation using them.

3. Our biggest effort will be our community outreach workers who will attend every community meeting to discuss big broadband and the UC2B programs.

A handbook on our network of public computing labs will be developed and shared with every technology program in all the schools, libraries, and the network of labs. This will include a directory of labs, curriculum and hours, and a map.

In each sector there will be special events to capture the imagination of people. A good example of this is virtual senior Bingo afternoon during which seniors throughout the community will be encouraged to join in. We will work closely with the senior community on designing this activity.

In addition we will work with a local artist to design a poster for UC2B that will be posted though out the community and in all the public computing spaces.

In all of this the UC2B logo, based on Frank Lloyd Wright iconography and suggesting UC2b's multiple fiber rings, will appear. We will be well branded on all of our material, including decals on all laptops. Some of us are already wearing shirts with the logo and attracting some attention.

### **35. Measuring Campaign Impact for Sustainable Broadband Adoption**

UC2B will employ several methods to measure its impact and the subsequent increase in the number of people who adopt and use big broadband.

UC2B will use a new policy information tool called DEPR. DEPR (pronounced deeper) is the Data Engine for Policy and Research being implemented at the University of Illinois Graduate





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School of Library and Information Science. The DEPR team 1) works with programs to identify/harvest data that programs decide to collect in order to do their work, 2) combines that data with analytical tools (GIS, text mining, statistics, automatic report generation, visualizations), 3) provides that data+tools package back to program managers via a structured online interface, and 4) offers a researcher’s analysis of that same data.

The UC2B research advisory board will ensure that this happens responsibly by establishing practices that protect the public in public computing centers just as libraries have established practices that protect patrons. What books you check out is private and protected by libraries, librarians, and laws. What websites you check out is not as protected, but UC2B thinks it should be. The public using UC2B will also be able to review/give input on the design and implementation of research. UC2B’s evaluation research will follow rules the university already follows (IRB) and add new rules to fit new conditions.

Every public computer center will be a data source. Cybernavigators will turn in a log with their timesheets for trend data on activity in the 46 public computer centers and 12 sectors. These measures will be both quantitative and qualitative; cybernavigators embedded in their environments act as survey researchers and ethnographers.

UC2B will conduct 12 monthly focus groups each year covering each of the 12 sectors. This will help us understand people’s attitudes towards big broadband in their lives and work activities.

Network management tools will generate summary workstation usage data. This will protect users privacy while allowing UC2B to measure progress towards optimum capacity and adjust our efforts. It will save staff the time it takes to manually measure usage. As above, UC2B will not monitor what people do on workstations.

UC2B will be helping many people set up email (gmail, yahoo, others) and will collect each person’s email address by helping them write an email to the UC2B outreach worker. He/she will then use these emails to keep in touch with people and find out whether/how they are using big broadband so that we can follow up and adjust our programming.

UC2B’s help desk at the Mad Lab will routinely ask three questions of each caller and record information in simple pre-coded categories:



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What is your problem?  
What public computing center do you use?  
How/when did you hear about UC2B?

Website traffic analysis will give us an indication of the response to any public initiative or event. Longitudinal data will show long term impact.

**36. Sustainable Broadband Adoption Total Cost Per New Subscriber.**

What is the total cost of your project per new subscriber (household, individual, or institutional) or new end-user?

## **F. Project Viability**

### **Technical Viability**

#### **37. Technology Strategy**

##### **37 - A. Public Computer Center Technology Strategy**

The overarching technology strategy for UC2B Above Ground is to be comprehensive (45 centers), specialized (the Mad Lab), sociotechnical (using the human power promoting and supporting people using big broadband), and creative. This means that underserved areas and vulnerable populations will have:

1. technology that is stable and supported in their immediate environment;
2. the best specific tools for music/media, access (teleconferencing), and digitization available at a geographically and culturally central location;
3. information, education, tech support, and user support from a corps of trained and computer-savvy people who are rooted in the local culture of the 46 centers and the 12 sectors they represent (education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors); and
4. ground in the past, present and future creativity of big broadband adopters, especially people in underserved areas and vulnerable populations themselves. This is expressed in the UC2B



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brand, “You see to be.”

One example of this fourth aspect is that in the process of preparing the UC2B grant proposals, university staff took a fresh look at the historic problem of not being able to donate university equipment to nonprofit or in-need users. This persistent problem was addressed in a flurry of correspondence between local tech workers and state government officials; we now have a legal way to share these machines. It is a taste of what will be possible in the environment of the drive for broadband that the BTOP/BIP funding has energized.

More specifically on the equipment, peripherals and software tools themselves, UC2B Above Ground will rely on the following guidelines:

1. Our strategy with equipment and peripherals includes enabling a comprehensive range of text and multimedia uses and operating systems, stable over more than several years. A computer starts to become obsolete once it is shipped from the manufacturer; this strategy is to combat that by investing in more computing power than typical packages offer.
2. Maintenance will rely on face-to-face reimagining as needed, supplemented by extended warranties and collaboration with local staff at the public computer centers. Anything else is not possible given the multiple LANs the centers run on, and face to face facilitates sharing news and ideas, solving problems, and building community.
3. File storage for individuals will be minimized because of the confusion and cost it can generate, but external hard drives of all sizes will be encouraged and flash drives provided at cost. This will save a great deal of time and money, not only by saving filespace but also by minimizing authentication requirements and file archiving tasks.
4. Printing will be limited and, again, flashdrives will be plentiful. Printing has to be guided by local policies at each public computing center, but at the Mad Lab printing will be only within numerical limits and only by physically handing a flash drive to a member of the support staff. In many instances, flash drives are actually an alternative to printing, and an opportunity for storage space but also big broadband outreach when branded with the UC2B logo.
5. UC2B community webspace traffic will be managed by combining UC2B and Mad Lab resources with widely accepted commercial resources. For instance, the UC2B Mad Lab web



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server will serve the community listservs, podcasts, audio quicktime streams, blogs, static pages, and images, while people who wish to post video will be directed to Google Video, Youtube, and other such services, especially linked with UC2B “channels” at these sites.

These technology strategies and policies, and the updates that will be needed, will be part of UC2B Above Ground 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.

**37 - B. Sustainable Broadband Adoption Technology Strategy**

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### Organizational Capability

#### 38. Management Team Resumes.

Please refer to upload section at the end of document.

#### 39. Organizational Readiness

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 provides the academic framework for the UC2B Above Ground (PCC and SBA) work. These faculty founded Prairienet in 1994, built up and documented the Murchison Community Technology Center in Toledo over 1997-2007, and carried out other work detailed elsewhere in this application. This experience is complemented 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 46 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. A weekly digital divide discussion series was held in fall 2008 and will continue in fall 2009. All speakers are part of the extended professional network responsible for UC2B's application. This on-campus activity was united with a formal governmental process in the Broadband Access Committee, part of the two cities' Telecommunications Commission. The public coalition formed out of this process is the Champaign Urbana Open Access Coalition ([cuopenaccess.org](http://cuopenaccess.org)). This website was launched and is maintained by a GSLIS graduate student. Our community has highly skilled folks already working on this important historical transformation; they have joined forces to make UC2B hit the ground running.

For the construction phase of UC2B and for at least the first 5 years of operation, networking staff from the university will operate the backbone network and the WDM-PON equipment that will deliver services to end users. The campus network covers more than 1468 acres, connecting 300 plus buildings with mostly 1 Gbps links to a 10 Gbps backbone. The campus





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network utilizes more than 145 routers and another 1,200 layer 2 switches and provides wired and wireless service to 60,000 plus students, faculty, and staff utilizing more than 70,000 network devices.

The UC2B Infrastructure proposal, which is comprised of two layer 2 devices, four layer 3 devices, and eventually some 2,700 Optical Network Terminals, would be installed, configured, and maintained by the University WAN Networking team. The WAN team would also coordinate with potential providers to provision services across the UC2B infrastructure to corresponding subscribers. Customer care would be provided by the community help desk operating out of the Mad Lab, or by any given ISP providing service to their customers.

**40. Organizational Chart.**

Please refer to upload section at the end of document.

**Community Involvement**

**41. Key Partners**

Our list of partners is attached as supplemental material along with letters. At least 137 critical social institutions are involved in UC2B to date.

The Urbana-Champaign Big Broadband (UC2B) Consortium is itself a collaboration of three public entities (the University of Illinois at Urbana-Champaign, the City of Urbana and the City of Champaign) that have approved the attached Intergovernmental Agreement to form the Consortium. That intergovernmental agreement allows for additional entities to join in the future, and we expect Champaign County and the Village of Savoy to do so. The Consortium will manage the ongoing operations of the UC2B network with one of the three founding organizations always functioning as the lead agency. For the purposes of the BTOP grants, the lead agency is the University. For the UC2B infrastructure proposal, we desire as many private and public partners as possible. Metcalfe's law states that the value of a telecommunications network is proportional to the square of the number of connected users of the system. We believe that is correct, and UC2B will always have low barriers for those who wish to connect. There are far too many partners to fit in the one-half page allotted for this answer. Many of the organizations that have already agreed to work with the UC2B team are represented in the



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attached letters of support, including women’s programs, senior centers, healthcare facilities, arts and education sites.

UC2B has connected with so far with 30-plus public computer centers and more continue to surface.

**42. Partnering with Disadvantaged Businesses**

UC2B’s small and disadvantaged business involvement takes three forms.

1. An agreement in principle to contract with a socially/economically disadvantaged small business to clean/sanitize the machines at all 46 public computer centers. This is important in the era of H1N1 flu. UC2B is proud to have found a business to take this on.
2. Relating to infrastructure and aided by UC2B’s entrepreneurship-building aspects, UC2B and interested individuals from the local disadvantaged population have mapped out a two-step business development plan. This is necessary because small business concerns as defined by section 8a of the SMA 15 USC paragraph 637 are not evident in our area. Step one includes union electrician training for members of underrepresented and disadvantaged populations. (See letter from Champaign Telephone Company for their commitment to conducting this training program.) Step two is to carry out business formation and planning among those trained individuals. This is part of our plans for the sequence of classes in big broadband entrepreneurship and for big broadband business incubation at the Mad Lab. The result will be a newly operational big-broadband-based small business as defined by section 8a of the SMA 15 USC paragraph 637.
3. UC2B will emphasize big broadband entrepreneurship opportunities that advance underrepresented groups in Champaign-Urbana.

**Ability to Start Promptly & Timeline**

**43. Project Timeline and Challenges**

A charted timeline is included in the supplemental documents uploaded with this application. The text below elaborates on that chart.





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The basic strategy for startup is to hire core staff in January, open the Mad Lab in May, and use the Mad Lab as operations center for a summer rollout of technology to the other 45 labs in summer.

To avoid the time and procedures required for permanent university hires, senior staff will be hired in visiting positions. The core staff will be trained in January. Cybernavigators will get additional training with and by senior staff and staff from the 45 centers.

The first quarter, January-March 2010, is startup.

Hiring. A committee of five people will be established to oversee hiring of the 31 non-summer employees.

Training. After hiring, the 31 non-summer-intern staff will be trained together and will tour all 45 facilities and several university computer labs and the university library. Cybernavigators will follow that training with a second training period of researching and creating guidebooks to the sectors across C-U that they will serve. Training of and with the 45 centers will follow, so that the centers and the UC2B staff all teach and learn from each other and can begin the process of standardization of curriculum with any necessary differentiation. Training will then happen annually so that all new staff are brought up to speed.

Broadband courses/internships/entrepreneurship. Begin the three course sequence with Broadband Spring / Intro 101, offered in spring 2010 (January-May). This course will recruit 50 students from the university, Parkland College, and area high schools. A basic survey, it will cover topics for the beginner and the advanced, a full review of broadband, what it is, what it enables, its history and its social implications.

Facilities: Opening Mad Lab, installing equipment across 45 centers. The Mad Lab will be installed and operational first as the staging ground for all other work. The 45 centers will only be installed (i.e., equipped with technology to bring it up to UC2B standard) after all the various staff have trained together, gotten to know each other, and begun to collaborate. Then estimating on average two centers a week, equipment and other items needed to standardize will be installed at the 45 centers. This will also involve necessary renovation to enlarge the Douglass Branch Library computer center.



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In second quarter, April-June 2010, core activities begin and continue. Annual events punctuate each year. Revenue from UC2B big broadband customers begins in year two, so the Above Ground project and its staff can continue past the BTOP funding.

After team building and review/revision of plans and division of labor, Summer 2010 is when full operations get underway.

As explained above, UC2B has a business model that will begin to provide a revenue stream as of the second year of the grant sufficient to maintain the project staff after the three years of NTIA funding has been exhausted.

During the second through 12th quarters, activities will fall roughly into three categories:

1. The three course sequence. The first course Big Broadband Spring / Intro 101 will be a comprehensive survey of basic issues concerning the background and plans for UC2B. These lectures will be videotaped and broadcast for the public. During the summer the second stage Big Broadband Summer / Internships 102 will focus on institutional transformation, including the installation of new workstations in the network of 46 public computer centers. And the final third stage Big Broadband Fall / Entrepreneurship 103 will involve the creative task of proposal development in competition for Big Broadband social entrepreneurship awards.
2. Support for the public computing network, technical support to centers, sectors and UC2B households, and training/education. UC2B staff will provide both technical service and teachers to support the program of the public computer center. The teachers will visit each center on a weekly basis and the technical team will visit monthly or as needed.
3. Cultural production of digital artifacts in the Mad Lab. We will be focusing on the cultural products that have an organic acceptance in the cultures of the communities we are serving. The making of music and video documentation will be emphasized, along with digitization and teleconferencing.

The following activities will take place on an annual basis:

1. UC2B annual conference. This will sum up and take stock of how UC2B is developing. All aspects of the project will be featured and all stakeholders will be asked to participate in



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discussions and decisionmaking.

2. UC2B handbook. This will cover all aspects of the project, including “how to” instructions for UC2B participants regarding use of the public computer centers as well as setting up and using big broadband at home.

3. Broadband summer internships (see above).

There are challenges:

An immediate challenge will be to get systematic data for monitoring results and creating quarterly reports. This is a critical challenge for every organizations serving underserved areas/vulnerable populations.

Another challenge is how we will service the computers in our network. This is a technical issue and also a social question, combining both technical and educational aspects of our staff. What is remarkable is that the technology is likely to allow the entire city to be one large LAN, making remote imaging and support possible.

As the economy struggles to get going, low income populations are going to cut back on expenditures. Even with UC2B’s low cost and fast speed, we will have to be creative and planful to maintain a steady rate of broadband adoption.

Safety and security of equipment will be a risk in such a diverse network of centers. We will lock down every workstation and share solutions between centers before problems arise.

**44. Non-Infrastructure Projects - Licenses and Regulatory Approvals**

**45. Legal Opinion.**

Please refer to upload section at the end of document.

**G. Project Budget & Sustainability**

**Project Profile: Budget and Budget Narrative**



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Public Computer Centers Program – Sustainable Adoption Program**

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**46. Budget Narrative**

UC2B Above Ground comprises both Public Computer Center (PCC) work and Sustainable Broadband Adoption (SBA) work. The explanations below of each line in form 424A section 6 reflect the synergy between these two aspects.

But first, several aspects of the budget are important to note as necessary and appropriate.

1. Three-quarters of the \$5 million budget is dedicated to jobs and economic development. What this means is that \$3.77 million is paying salaries, benefits, and local business. What is more, these dollars are particularly aimed at local people, not university faculty/students, not out-of-towners:

- 41% of \$5 million will pay local hires
- 19% university hires
- 9% out-of-town hires
- 6% local contractors and entrepreneurs

-----  
75% for jobs and economic development

2. What is more, these jobs, contracts, and entrepreneurships are at all levels of skill and qualifications. So the saving/creating jobs goals of the broadband stimulus are met in this proposal.

3. The high-tech but even more high-touch aspects of generating new users and new uses of broadband are also met here. When the technology conditions are right, as they will be with UC2B, people recruit people to broadband.

4. Smaller in dollars but just as significant, the indirect or overhead charges on the \$5 million project are \$600,000, or 11%. Again, this is not a moment where the university is dollaring up in the name of the town. This was achieved by moving activities off campus into the underserved area and out of the university into local institutions.

To provide detail on the budget lines:

Personnel, line 6a, includes only the staff to be hired by the university. Individuals without



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bachelor's degrees who are not working on bachelor's degrees cannot be employed by the university for more than 900 hours a year. Such individuals will be hired by a subcontractor (see Contractual below) but will report according to the organizational chart without regard to the hiring organization.

The Director will be a University of Illinois faculty member working .5 FTE on UC2B during the 10-month academic year and full time during the two-month summer. Salary is split equally between PCC and SBA.

- The Partnerships Director salary is split equally between PCC and SBA.
- The IT Director salary is 100% PCC.
- The Education Director salary is 100% SBA.
- The Digital/Cultural Production Director salary is 100% SBA.
- The Administrative Assistant salary is split equally between PCC and SBA.
- Two Lab Assistant salaries are 100% SBA.
- Two 5 FTE Graduate Student Assistant salaries are split equally between PCC and SBA.
- Three .5 FTE Undergraduate Hourly Worker salaries are 100% PCC.
- 50 Summer Interns are 100% SBA.

Fringe benefits, line 6b, are paid to these individuals at current university rates.

Travel, line 6c, is for trips by directors to conferences to share information and learn, split between PCC and SBA.

Equipment, line 6d, is for capitalized equipment, split between PCC and SBA.



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Supplies, line 6e, is for expensed furniture and computer equipment, program supplies, and office supplies, split between PCC and SBA.

Contractual, line 6f, is for renovation of the Mad Lab and the Douglass Branch Library computer center (split between PCC and SBA); cleaning of workstations in the 46 centers (100% PCC), competitive entrepreneurship grants (100% SBA), and non-degreed staff. Non-degreed staff includes the 17 cybernavigator salaries (100% SBA) and one Outreach Worker salary (split equally between PCC and SBA).

Other, line 6h, is for occupancy of the Mad Lab (100% SBA), printing (split between PCC and SBA), tuition remission for the two graduate students (split between PCC and SBA), consultants from other successful projects who will be brought in to share and learn (100% PCC), and U of Illinois IT support to the Mad Lab and to 2.5 FTE individuals working on campus (split between PCC and SBA).

Indirect charges, line 6j, are calculated from rates that have been negotiated with the Office of Naval Research with an expiration date of 6/30/2011.

**47. Non-Infrastructure Projects - Budget Reasonableness**

One way to address budget reasonableness is by category of expenditure.

1. Salaries are in keeping with pay scales and human resource policy at a public university. This is true even for those staff who are contractual because the university cannot hire nondegreed individuals for more than 900 hours a year. The lower hourly wages paid are \$14 an hour with benefits, \$15 without, livable wages for this area.

2. Management: Each managerial staff is working with an appropriate scope of tasks and span of control, managing 50 summer interns; 17 half-time cybernavigators; or 2 or 3 lab workers/undergraduates. Seventeen cybernavigators will cover 45 centers (not the Mad Lab) for a minimum of 5 hours a week at each center, plus travel time, preparation, and administrative work. Forty-six public computer centers is an extensive network, but the amount of tech support staff (2.5 FTE, that is, three undergraduates and an IT director) is within typical range, especially considering that they are working alongside other tech support structures already at the centers.



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2. All equipment is costed and will be negotiated and purchased at very favorable educational pricing available to a large institution of higher education. The amount of equipment is designed to provide (1) big broadband connections that people will value because the access tools are exactly as needed for comprehensive and cutting-edge uses; and (2) staff productivity tools, particularly as most of the staff will be moving around the two cities as part of promoting and supporting big broadband use. Additional recent but recycled machines will be provided gratis and repurposed as home big broadband workstations.

3. Renovation costs are modest in keeping with community usage and other expenses are focused primarily on communications—whether it be travel to learn and share or printing and production to put out information and education about broadband usage.

A second way to address budget reasonableness is to look at the whole project’s “bang for the buck.” This is very hard to quantify when the project involves doing something new. The two cities and the university have weighed in with their \$2.4 million match to UC2B overall; the State of Illinois has contributed its \$3.5 million match to the Below Ground and bondable portions of UC2B. Over three years, UC2B Above Ground (PCC and SBA together) will spend \$5 million (\$3,950,000 from BTOP) to make the following transformations:

- \* inform 23,750 people about the new opportunity of UC2B broadband
- \* recruit 2500 new home big broadband users
- \* transform the lives of 22,000 people through learning about and using big broadband in public computer centers
- \* help move 137 critical institutions and 12 sectors serving vulnerable people to broadband ways of working
- \* launch 30 big broadband entrepreneurs

A very, very simplified quantification of all these numbers would cost each transformation at less than \$100.

**48. Demonstration of Financial Need**

The financial projections attached to the UC2B Below Ground proposal (Middle Mile & Last Mile Infrastructure) show that the UC2B Consortium has an excellent chance of being





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sustainable. The sales projections are neither overly aggressive nor overly conservative, but there is not much room for additional expense.

Those projections would be completely under water if the Consortium had to cover debt service on the roughly \$24 million that UC2B is seeking in ARRA assistance for this project. There is no possible way that this project would be funded commercially with that level of debt on its books from day one.

While the university from time to time does things that are in the public interest, even though they may not benefit the institution's bottom line, we have attached a letter (#1000 in our supplemental documents) from the Urbana campus's Chief Budget Officer, Mike Andrechak, which confirms that were it not for federal assistance, the UC2B project could not be funded by the university.

The UC2B Above Ground work targets a population without resources to pay for private-sector or personal training and support with big broadband computing. This population can only obtain social spaces for learning and using big broadband tools by means of a broad collaboration such as UC2B.

The three UC2B proposals are perfect examples of projects that "but for" ARRA funding would not be implemented.

**49. Historical Financial Statements.**

Please refer to upload section at the end of document.

**Project Profile: Long Term Sustainability**

**50. Sustainability.**

**51 - A. Public Computer Center Sustainability**

UC2B's approach to sustainability is to transform local social life and change public opinion. We have three goals: computer literacy across underserved areas and vulnerable populations (basic and advanced); institutional transformation across community anchor and grassroots organizations in 12 sectors serving underserved areas and vulnerable populations; and community informatics—an ongoing IT support infrastructure within the community. The





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UC2B mission is the building of cyberpower as the critical mechanism for democracy in the 21st century. UC2B approaches this holistically to impact individuals, social organizations, and popular consciousness.

The UC2B solution is bottom up and sustainable. It builds on numerous locally operated public computer centers and community anchor institutions and grassroots organizations. Resources can and will flow back into the project in five ways:

- a. agreed-upon fees from commercial big broadband sales;
- b. cash commitments by the two cities and the university;
- c. a share in any grant funding that may arise relating to use of the public computer centers for research, and a commitment to seek such funding;
- d. a portion of any revenue from cultural or entrepreneurial innovations and a competitive mechanism for encouraging such innovation; and
- e. a big broadband-transformed local culture and economy that will maintain its big broadband connections and uses.

UC2B Above Ground focuses on recruiting, training, and organizing cyberorganizers. A cyberorganizer is a community-level activist who represents the mission and activities of the organization in cyberspace, and uses this activity to build the membership, influence, and resources of the organization. UC2B will succeed if this position becomes a normal function for people in organizations to perform as an elected officer, just like secretary, treasurer, or chair.

UC2B will foster the creation of an independent organization of public computer centers to become the self-governing mechanism for cyberpower among vulnerable populations. In this way the big broadband-using community across the two cities will have checks and balances between major lead institutions (the university and the two cities), major community anchor institutions, and organized representatives of vulnerable populations.

The Ministerial Alliance has received a proposal to implement Big Broadband Sunday. In



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every tradition there has been a strong connection between reading and freedom, literacy and liberation. Big broadband tools are too powerful and important to be left solely to the market forces to deploy and Metcalfe’s Law (more users increases the value of a network) mandates that as many people as possible should get connected. UC2B can take this discussion deep into every cultural and religious tradition. Big broadband needs and warrants approval by the anchor institutions of the people that bring new creativity and social practices into the soul of the people.

**51 - B. Sustainable Broadband Adoption Sustainability**

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**Project Profile: Outside Leverage**

**51. Matching Funds.**

Please refer to upload section at the end of document.

**52. Unjust Enrichment**

We are not receiving nor have we requested any federal support for nonrecurring costs associated with any of the three UC2B proposals.

**53. Disclosure of Federal and/or State Funding Sources**

\$50 million of the 2009 Illinois Capital Bill has been reserved for grants to help with stimulus-funded broadband project match dollars. The three-part UC2B proposal (Infrastructure, Public Computer Center, and Sustainable Broadband Adoption, or as we call



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them, Above and Below Ground) has received \$3.5 million in state funds, applied to bondable expenditures by the project, which are all in the infrastructure proposal.

**54. Buy American.**

Is the applicant seeking an individual waiver of the Buy American provision?

No

**Buy American Waiver Request Explanation**

## H. DOC Environmental Checklist

**55. SECTION 1** – Please refer to upload section at the end of document.

## I. Compliance and Certification

**56. Certification and signature.**

Please refer to upload section at the end of the document.

## J. Uploads

In order to improve system performance and help ensure that all applicants are able to complete their applications by the deadline, we have changed the way your application PDF is created. This PDF contains all of the information you entered throughout the Easygrants data entry screens. PDF copies of all documents that have been uploaded can be viewed and printed separately from the **Main page of the application after you submit**. These will continue to be available to you in read-only format after your application has been submitted.



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**Instructions**

**Project Information**

**Program:** Broadband Non-Infrastructure Programs  
**Funding Opportunity:** Public Computer Centers and Sustainable Broadband Adoption  
**Funding Cycle:** Summer 2009 Public Computer Centers and Sustainable Broadband Adoption

**Public Computer Center Capacity**

**Add**

Public Computer Center	Address Line 1	Address Line 2	City	State	Zip	Options
A Womans Place IT Center	1304 E Main St		Urbana	IL	61802	<a href="#">Edit</a> <a href="#">Delete</a>
Bethel Church	401 East Park		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Boys and Girls Club	201 East Park		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Canaan Church	404 West Main		Urbana	IL	61801	<a href="#">Edit</a> <a href="#">Delete</a>
Canterbury Ridge	1706 East Amber		Urbana	IL	61802	<a href="#">Edit</a> <a href="#">Delete</a>
Catholic Worker House	317 South Randolph		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Champaign County Nursing Home	1701 East Main		Urbana	IL	61802	<a href="#">Edit</a> <a href="#">Delete</a>
Champaign Public Library	200 West Green		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Church of the Brethren	1210 N Neil St		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Clark Lindsey Village	101 W Windsor Road		Urbana	IL	61802	<a href="#">Edit</a> <a href="#">Delete</a>
CU Public Health	201 W. Kenyon Rd		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Developmental Services Center	1304 West Bradley Ave		Champaign	IL	61821	<a href="#">Edit</a> <a href="#">Delete</a>
Douglas Branch Library	504 East Grove		Champaign	IL	61820	<a href="#">Edit</a> <a href="#">Delete</a>
Edge of Mall Senior Residence	109 W Illinois St		Urbana	IL	61801	<a href="#">Edit</a> <a href="#">Delete</a>
Florida House	1502 East Florida		Urbana	IL	61802	<a href="#">Edit</a> <a href="#">Delete</a>

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- Project Information
- Demographics
- Congressional Districts
- Budget Summary

**Public Computer Center Capacity**

- Sustainable Broadband Adoption Impact
- Essay Questions Uploads
- Review and Submit

FAQ

Help

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HACC Dorsey Homes	1100 Dorsey Dr	Champaign	IL	61821	<a href="#">Edit</a>	<a href="#">Delete</a>
Head Start	809 North Neil	Champaign	IL	61822	<a href="#">Edit</a>	<a href="#">Delete</a>
Inman Plaza	17 East University	Champaign	IL	61820	<a href="#">Edit</a>	<a href="#">Delete</a>
Mad Lab	804 N 5th St	Champaign	IL	61820	<a href="#">Edit</a>	<a href="#">Delete</a>
Parkland on Mattis Digital Divide CTC	1307 N. Mattis	Champaign	IL	61821	<a href="#">Edit</a>	<a href="#">Delete</a>
Prairie Winds of Urbana	1905 E Prairie Winds Ave	Urbana	IL	61802	<a href="#">Edit</a>	<a href="#">Delete</a>
Restoration Urban Ministries	1213 Parkland Court	Champaign	IL	61821	<a href="#">Edit</a>	<a href="#">Delete</a>
Round Barn Manor	2000 W John St	Champaign	IL	61821	<a href="#">Edit</a>	<a href="#">Delete</a>
Salem Church	500 East Park Street	Champaign	IL	61820	<a href="#">Edit</a>	<a href="#">Delete</a>
Sunny Crest Manor	1805 S Cottage Grove Ave	Urbana	IL	61801	<a href="#">Edit</a>	<a href="#">Delete</a>
The Center for Women in Transition	508 E Church Street	Champaign	IL	61820	<a href="#">Edit</a>	<a href="#">Delete</a>
The Urbana Free Library	210 West Green Street	Urbana	IL	61801	<a href="#">Edit</a>	<a href="#">Delete</a>
TIMES Men's Emergency Shelter	70 East Washington St	Champaign	IL	61820	<a href="#">Edit</a>	<a href="#">Delete</a>
Urbana Adult Education	211 N. Race Street	Urbana	IL	61801	<a href="#">Edit</a>	<a href="#">Delete</a>
Urbana-Champaign Independent Media Center	202 South Broadway	Urbana	IL	61801	<a href="#">Edit</a>	<a href="#">Delete</a>
Windsor of Savoy	401 Burwash Ave	Savoy	IL	61874	<a href="#">Edit</a>	<a href="#">Delete</a>
Youth Detention Center	400 S. Art Bartell Rd	Urbana	IL	61802	<a href="#">Edit</a>	<a href="#">Delete</a>

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The logo for UC2B is contained within a blue-bordered square. At the top of this square, the letters "UC2B" are written in a large, blue, sans-serif font. Below the text, the square is divided into a grid of cells by orange lines. The grid consists of a top row, a middle row, and a bottom row. The middle row is further subdivided into three horizontal sections by two orange lines. The columns are of varying widths, creating a complex, multi-cellular layout.

UC2B

# Urbana-Champaign Big Broadband

*Sustainable Broadband Adoption  
On-Line Application Narratives*



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

<b>Submitted Date:</b> 8/20/2009 3:28:47 PM	<b>Easygrants ID:</b> 3263
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption	<b>Applicant Organization:</b> Board of Trustees of the University of Illinois
<b>Task:</b> Submit Application - Non-Infrastructure Programs	<b>Applicant Name:</b> Kathy Young

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## A. General Application Information

<b>1. Applicant Information</b>	
<b>1-A. Name, Address, and Federal ID for Applicant</b>	
<b>i. Legal Name:</b>	Board of Trustees of the University of Illinois
<b>ii. Employer/Taxpayer Identification Number (EIN/TIN):</b>	376000511
<b>Street 1:</b>	1901 S. First Street, Suite A
<b>Street 2:</b>	
<b>City:</b>	Champaign
<b>County:</b>	Champaign
<b>State:</b>	IL
<b>Country</b>	United States
<b>Zip/Postal Code:</b>	61820
<b>1-B. Name and Contact Information of Person to be Contacted on Matters Involving this Application:</b>	
<b>Prefix:</b>	
<b>First Name:</b>	Kathy
<b>Middle Name:</b>	
<b>Last Name:</b>	Young
<b>Suffix:</b>	
<b>Telephone Number:</b>	217-333-2187
<b>Fax Number:</b>	
<b>Email:</b>	geraldmcworter@gmail.com
<b>Title:</b>	Director of OSPRA
<b>1-C. Other Required Identification Numbers</b>	



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<b>i. Organizational DUNS:</b>	041544081
<b>ii. CCR # (CAGE):</b>	4b808
<b>iii. Funding Opportunity Number:</b>	2
<b>iv. Catalog of Federal Domestic Assistance Number:</b>	<b>BTOP CFDA Number:</b> 11.557 <b>BTOP CFDA Title:</b> Broadband Technology Opportunities Program

**1-D. Organization Classification**

Local, State, or Other Government Entity

**1-E. Applicant Federal Debt Delinquency Explanation**

Is the **Applicant** Delinquent On Any Federal Debt?

No

**Federal debt delinquency Explanation:**

**1-F. Congressional Districts of:**

**Applicant:** Illinois - 15

<b>Program/Project</b>
Illinois - 15

**2. Project Title and Project Description**

**2-A. Project Title :** Urbana-Champaign Big Broadband Above Ground SBA (UC2B Sustainable Broadband Adoption)

**2-B. Project Description:** UC2B is an intergovernmental consortium of the University of Illinois and the cities of Urbana and Champaign providing fiber-optic broadband connectivity to the community's anchor



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institutions, fiber-to-the-home connectivity in underserved neighborhoods, improved access/support to public computing centers, and a sustainable adoption and educational outreach program for vulnerable populations.

**3. Project Type**

Classify the particular project type for which you are seeking federal funding.

**Project Type:** Sustainable Broadband Adoption

**Project ID:** 2

**4. Application ID for Multiple Submissions for Identified Service Areas**

There are three linked submissions from the Urbana-Champaign Big Broadband Consortium. They inform and enable each other and provide an integrated solution for the Identified Service Area.

BTOP Infrastructure:

Urbana-Champaign Big Broadband - Below Ground (UC2B Middle Mile & Last Mile Infrastructure)

BTOP Public Computing Center:

Urbana-Champaign Big Broadband - Above Ground PCC (UC2B Public Computing Centers)

BTOP Sustainable Broadband Adoption:

Urbana-Champaign Big Broadband - Above Ground SA (UC2B Sustainable Broadband Adoption)

**5. Estimated Funding (\$):**

Estimated Funding (\$):	
Federal	2,957,827
Applicant	314,642
State	



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Local	471,963
Other	
Program Income	
Total	3,744,432

## B. Eligibility Factors

### 6. Eligibility Factors.

<b>The application must be completed fully, and all required supplemental documentation must be attached.</b>
<b>Applicants must commit to substantially completing their Project (as defined in the NOFA) within two years of the award date, and completing the Project within three years of the award date.</b>
<b>Applicants must credibly demonstrate that their Project advances at least one of the five statutory purposes for BTOP.</b>
<b>Applicants must demonstrate that but for Federal funding they would not have been able to complete their project during the grant period.</b>
<b>The budget for the project must be reasonable and all costs must be eligible.</b>

**6-d.** Applicant is providing matching funds of at least 20 percent towards to the total eligible project costs or is requesting a waiver of the matching requirements.

**Yes**

**Matching Fund Waiver Request Explanation**



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## C. Executive Summary

### 7. Executive Summary of Overall Proposal:

A. Problem statement with regard to improving broadband service adoption rates.

UC2B Below Ground will bring needed big broadband to critical institutions and to homes in underserved areas. The complementary need and solution addressed in this UC2B Sustainable Broadband Adoption proposal is to stimulate broadband demand by helping people in those areas and other vulnerable populations use a reliable and cutting-edge set of big-broadband-based tools and services. This includes hardware, software, people, and social arrangements. In July, UC2B carried out a door-to-door household survey which found census block groups of <40% broadband takeup, exactly aligned with the lowest income and highest social isolation (joblessness, lower education, lack of access to services, and so on).

B. Overall approach and how it is innovative.

Our overall approach is bottom up, locally rooted cultural and entrepreneurial innovation, facilitated by North Champaign-Urbana’s own social capital together with UC2B’s structures and resources. The set of big broadband based tools and services mentioned above is centered on:

1. a self-organized network of 46 public computer centers, with technology both comprehensive and cutting edge, and a uniformly educated and mobilized support staff of 31 core staff (including 17 cybernavigators—local people helping and teaching);
2. 50 student interns (high school, community college, university) rolling through a three-course sequence on big broadband, community institutional transformation, and big-broadband-based entrepreneurship, culminating in start-up awards to each year’s five best projects; and
3. a hub public computer center featuring three locally relevant technology foci and called the Mad Lab (for Music, Access, Digitization).



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This approach is innovative in that it aims to boost big broadband subscription and use by a more effective reliance on local people and information technology. This is based on the best community informatics research and experience, amassed by the UC2B Above Ground team over 15 years.

Unleashing local people’s energy for big broadband use includes:

- staff and patrons of existing public computer centers
- leaders of 12 sectors serving underserved areas or vulnerable populations
- home-grown computer assistants with a capacity for providing help
- area students from high school, community college and university, with others rolling through a three course sequence with summer internships and big-broadband-based entrepreneurial brainstorming and planning
- cultural producers ready to use advanced studio tools to create new music and other forms
- community archivists with family photos, organizational records, and other materials of unique value to digitize.

C. Areas to be served. Demographic information. Estimated number of broadband subscribers we will reach.

UC2B Sustainable Broadband Adoption will serve 1) the broadband-underserved areas of the two cities, Champaign and Urbana, Illinois, as defined by the NOFA for this round of funding and measured by UC2B in July 2009 (see map) and 2) vulnerable populations across the two cities, which encompass a population of 113,000, 15.6% African American, 4.5% Latino, and 27% living below the poverty level, according to the 2005-2007 American Community Survey. The project will reach an estimated 23,750 broadband subscribers in Champaign-Urbana alone, and more elsewhere.

D. Applicant qualifications.

UC2B’s Sustainable Broadband Adoption proposal builds on the last 15 years of work by community informatics scholars and professionals at the University of Illinois Graduate School of Library and Information Science, the top ranked in its field. As demonstrated by our record of publications and presentations, this has involved:





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1. establishing, operating, and/or studying 100 plus public computer centers
2. IT-enabling and or studying 500 plus community groups/institutions
3. convening/steering 15 plus conferences on technology and community.

This team has worked in Champaign-Urbana, East St. Louis, Oak Park, and Chicago, Illinois; Toledo, Ohio; Ann Arbor, Michigan; Manchester, England; and São Tomé (Africa). We operated the community network Prairienet (<http://prairienet.org>), the only TOP grant that NTIA awarded to a university's library and information science program. We created an archive of the physical and digital records of the Technology Opportunities Program (<http://hdl.handle.net/2142/5139>) and initiated the collective study of the 606 projects, all using technology to solve problems in underserved areas/among vulnerable populations. We are now the largest community informatics program in the country, graduating professionals and PhD-level researchers.

City and university managers steering the UC2B city-city-university consortium have personally collaborated on no less than four generations of successful campus-community computer networking: PLATO (begun 1960), the first public access point to a university's online library catalog (1984), Champaign County Network (ccnet, 1993), Prairienet (1994), and now UC2B.

The hallmark of UC2B is its sustainability. Of the 81 jobs created, the bulk of the payroll is in 31 positions which will be supported by UC2B for years 4 and 5 of the project. As for big broadband adoption, the three pronged transformational strategy is aimed at a cultural shift whereby life and work in underserved areas/vulnerable populations is converted from offline to a seamless combination of off- and online, like the area's higher-income population.

E. Jobs saved or created. 81.

F. Overall cost. UC2B Above Ground will cost \$5,000,000. UC2B Sustainable Broadband Adoption will cost \$3,744,614.



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## D. Project Purpose

### Project Purpose: Recovery Act & BTOP Objectives

#### 8. Project Purpose

A. Problem significance: overcoming broadband inequality in a public university technopole.

The significant problem UC2B addresses is persistent, deepening digital inequality in a particular type of North American community that is found in all 50 states around our public institutions of higher education. There are 1,700 such communities, where (as in Champaign-Urbana) some people are using, and even creating, the world's most powerful hardware and software. Others are using a mouse for the first time. The University of Illinois has been a world center for creative innovation in computing, from PLATO (1960), the first public computer system, to Blue Waters (2011), which will be the most powerful supercomputer in the world when it comes online for open scientific research.

But off campus, many residents of C-U (and other similar higher-education-hub communities) are facing a computer screen, keyboard and mouse for the first time, because all applications for the jobs, housing, and social services they need have migrated online. Other residents fall somewhere along a spectrum between the two. C-U has the same range of social dislocations and proportion of marginalized people as any other city in this period of economic crisis. Getting online is mandatory to apply for jobs, education, housing, and social services. While some are integrated into the big broadband-connected world (televisits with family in China or ongoing collaborations with German researchers, for example), as a community, we are far behind high-speed-internet societies in Asia and Europe.

B. Effective solution: building a unified network of existing/planned public computing centers, bringing them to a technology standard including big broadband, providing local IT support.

The most advanced public computing center in town is a lab exclusively for U of I computer science majors. Meanwhile at community computer centers, tight budgets limit them to teach and support users only in browsing and word processing, without even the games that teach



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newbies mouse skills or keyboarding.

UC2B Sustainable Broadband Adoption’s solution to broadband inequality has three parts:

1. teaching and helping users at 46 public computer centers
2. at the hub center with advanced computing capacities, helping local residents and institutions create big broadband content via digitizing community materials; music, video, and other cultural production; and “glocal” teleconferencing.
3. recruiting 50 people a year (university, community college, and high school students and interested community members) to a year long study-action program culminating in a UC2B Big Broadband Entrepreneurship competition for \$50,000 in startup funds (5 awards of \$10K each) for locally rooted big broadband based businesses or social entrepreneurs.

This dovetails with the UC2B Public Computer Centers proposal, which aims at:

4. organizing 45 existing/planned public computing centers (all serving underserved areas and vulnerable populations) into a unified network for sharing best practices and collaborating
5. bringing their technology to a standard, including big broadband
6. providing IT support to the 45 centers out of a 46th hub public computing center. Taken together, these activities will move local residents and institutions to big broadband ways of living and working and result in higher levels of big broadband access and use.

C. Replicable solution: The UC2B solution relies on a strategy available to 1700 communities nationwide which have public institutions of higher education. That solution is to link on-campus resources and technology approaches with community technology leaders in the city or town in order to level the local big broadband playing field. Part of making this solution replicable is embedded in the UC2B proposal, namely, sharing our successes with other cities and towns as we go. UC2B will produce a handbook that others can adapt to their campuses and communities.

D. Advancing job creation along with 4 of 5 BTOP statutory purposes.



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The UC2B Public Computing Center and Sustainable Broadband Adoption proposals create or save 81 jobs and advance 4 of 5 statutory purposes of BTOP:

1. Increasing broadband takeup in underserved areas (i.e. currently evidencing <40% broadband takeup). 12 of the 46 centers are in underserved areas as surveyed by UC2B in July 2009.

2. Conducting big broadband education, awareness, training, access, equipment, and support to anchor institutions and vulnerable populations. On top of the 12 centers located in underserved areas (which are the lowest income neighborhoods in Champaign-Urbana), 34 of 46 public computing sites serve vulnerable populations. The 17 cybernavigators will conduct their work in these 46 centers and with community anchor insitutions in 12 sectors: education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and senior housing.

3. Expanding big broadband for public safety agencies. One center is the Youth Detention Center serving 500 youth per year. Another serves ex-offenders at a homeless shelter.

4. Stimulating big broadband demand. By supporting local residents/institutions in big broadband innovation based on cultural production, digitization of their own materials, and entrepreneurship, their lives will move online and sustained big broadband demand will result.

E. Reinforcing other BTOP program objectives (Infrastructure and Sustainability).

The 46 public computing centers, 81 UC2B workers, and locally-oriented digitization, cultural production, and entrepreneurship will recruit and mobilize vulnerable populations, anchor and grassroots organizations, and residents of underserved areas to new ways of living and working with big broadband. This will generate demand for the infrastructure and provide the basis for sustainability mentioned above.

**9. Recovery Act and Other Governmental Collaboration.**

The UC2B infrastructure proposal increases the big broadband connectivity of three partners in the Illinois Rural Health Network, which has received a \$21 million grant from the Federal Communications Commission to improve the connectivity to rural medical facilities.



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Carle and Provena Hospitals in Urbana are both in the UC2B Last Mile proposed funded service area and both are teaching hospitals for University of Illinois medical students. Both hospitals and the University support rural health programs, and with UC2B fiber they will have low-cost, high-bandwidth connectivity to the emerging state network that the FCC grant is funding. The UC2B fiber will be an enabler for their telemedicine programs as well.

On the state level, Public Act 096-0038, which was signed into law on July 13, provides \$50 million in state funds for grants for broadband deployment projects in the state of Illinois. The combined UC2B projects have secured \$3.5 million from this program, subject to NTIA approval of the UC2B BTOP grant applications. The commitment email from the State of Illinois is attached to the UC2B BTOP applications and the \$3.5 million is shown in the summary of matching funds.

On a local level, the discussions leading up to the creation of the UC2B Consortium by the University and the cities of Urbana and Champaign have increased the awareness of the need for fiber conduits in the public works departments of both cities. While there is a new state law that mandates the placement of conduits for fiber optic networks on new state road projects, the local public works directors are now factoring conduit into their future road building and repairing plans. We believe these are the sort of efficiencies that the Recovery Act anticipates and encourages.

Three examples explain the diverse local government commitment to UC2B.

1. The Champaign-Urbana Mass Transit District operates an award-winning bus system. They want access to fiber connections in order to deliver wifi access and bus arrival times to off-campus bus shelters just as they already do at on-campus bus stops.
2. The Urbana-Champaign Sanitary District operates two main waste treatment plants and seven pumping stations. They want big broadband to synchronize the pumping stations better with the treatment plants. This application gives an entirely new meaning to the term “critical institution.”
3. METCAD handles the county’s 911 calls and dispatches first responders. It becomes a public safety concern whenever their interagency and first responders radio system fails. They want UC2B’s fiber to provide a backup system for their lifesaving radio towers.



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The letters in the supplemental information indicate all the solutions that our 137 critical partners (anchor institutions, public computer centers, and other partners) are ready to implement with big broadband.

**10. Enhanced Services for Health Care Delivery, Education, and Children**

UC2B seeks to improve the quality of life of the community it will serve, in terms of health care, education, and the well-being of its children. It will partners with experienced institutions in each of these areas to do so. This will include building web resources for 12 sectors, including an extensive listing of useful websites, listservs to link professional organizations with the broad populations in need of their services, and digital content coming from the collaborations between UC2B and local individuals and organizations.

**Health Care:** One of our most important activities will be to fill the need for reliable health information by building a web portal that will expand via a FAQ process from public meetings and a UC2B listserv. UC2B will install/support/teach at workstations in CU public health clinics and bring big broadband to numerous health-related anchor institutions.

**Education:** Along with bring big broadband to education-related anchor institutions, UC2B will install/support/teach at workstations in the local adult education center. The cybernavigators and summer interns will be a teaching corps for all the community. They will make it the “in thing” to be computer literate and enjoy social networking and content moved across big broadband. By working with the community and drawing on various standards for computer literacy, we hope to have a community-sanctioned set of standards ranging from beginner to expert so that our network of labs will be able to credential itself. This process will in turn impact all local educational institutions and processes.

**Children:** UC2B’s work with children will focus on their extensive use of three library centers and take into account families as well as children. For example, Champaign’s Main Library has a special area for computer use by children. Adults can sit near them but not use the computers. Patrons have clamored for and UC2B will provide laptop computers that parents can check out and use while with their children. At Douglass Branch Library in the core underserved area, a lower-income, mainly African American community, UC2B will double the number of workstations from 10 to 20 and add 5 laptops as well. The area’s Head Start classrooms for





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children 3 to 5 years old each have one or two older computers; UC2B will upgrade most with one new workstation, big broadband, and appropriate software.

The University of Illinois is a national center for implementing Squeak programming language for children. UC2B will engage these developers in outreach to children in all 46 public computer centers, in the homeless shelters and elsewhere. A pilot carried out in Douglass Library drew a packed house. This will be a dynamic aspect of outreach/service to children.

#### **11. Small and Disadvantaged Business Involvement**

UC2B's small and disadvantaged business involvement takes three forms.

1. An agreement in principle to contract with a socially/economically disadvantaged small business to clean/sanitize the machines at all 46 public computer centers. This is important in the era of H1N1 flu. UC2B is proud to have found a business to take this on.
2. Relating to infrastructure and aided by UC2B's entrepreneurship-building aspects, UC2B and interested individuals from the local disadvantaged population have mapped out a two-step business development plan. This is necessary because small business concerns as defined by section 8a of the SMA 15 USC paragraph 637 are not evident in our area. Step one includes union electrician training for members of underrepresented and disadvantaged populations. (See letter from Champaign Telephone Company for their commitment to conducting this training program.) Step two is to carry out business formation and planning among those trained individuals. This is part of our plans for the sequence of classes in big broadband entrepreneurship and for big broadband business incubation at the Mad Lab. The result will be a newly operational big-broadband-based small business as defined by section 8a of the SMA 15 USC paragraph 637.
3. UC2B will emphasize big broadband entrepreneurship opportunities that advance underrepresented groups in Champaign-Urbana.

## **E. Project Benefits**

### **E-1 – Expanding Broadband Public Computer Center Capacity**

#### **Public Computer Center Capacity, Including Areas and Populations Served**



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## 12. Public Computer Centers Availability

The UC2B network of public computer centers across the two cities will offer near-open availability of big-broadband-connected hardware and software. This is because it is a network that includes general access centers as well as more limited access centers serving a specific vulnerable population. None of the public computer centers charge specifically for use of computers or broadband, although some are part of programs that require applications and fees such as rent (e.g., senior housing).

General comprehensive access: We will have direct participation from all three public library locations: the Champaign Public Library, Champaign’s Douglass Branch Library, and the Urbana Free Library. In addition there are two major community centers that are generally open to all members of the community: Boys and Girls Clubs and the Independent Media Center.

Limited public access: The majority of the public computing opportunities are limited access to specific groups. This access is suited to the vulnerable populations they serve. The Developmental Services Center serves only disabled people of all types. The two women’s centers are safe houses for women in distress and their children. Head Start is limited to enrolled children. The Youth Detention Center public computers are only for residents, the same for senior housing. Many of the sites also allow use by visiting family members. The homeless facilities are open to the public, but are primarily used by residents of these respective facilities.

A third dimension of availability is home computer/big broadband access that complements the social spaces of public computer centers. In the UC2B proposal development process, local forces were able to open a long-desired channel for recycling computers out of the university into the homes of low-income and other vulnerable populations. Local public computer centers already recycle computers with great success and this will boost this activity, very important for securing big broadband adoption.

## 13. Restrictions on Public Computer 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 public computer centers require the





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usual deportment 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 public computer center practices active surveillance unless someone in the area complains or there is danger that adult content will be exposed to children.

**14. Public Computer Centers 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. The university was one of the first wheelchair-accessible campuses in the nation decades ago, and today is a national leader in accessible web and software technology. That commitment extends to UC2B.

One of the 46 public computing centers is the Developmental Services Center. Its mission is to “enhance the lives of individuals with disabilities by providing services and supports which enable them to live, work, learn, and participate in their communities.” It was created in 1972 by the merger of four community organizations devoted to serving individuals with developmental disabilities and serves 1,400 individuals each year in Champaign and Ford counties. Its public computer center is just part of its larger program, and it has special equipment—hardware and software—for their clientele. They specialize in the area of accessibility and will be able to advise all of the other centers regarding this special needs population.

Most of the public computer centers have been involved at some stage in receiving public funding and have been required to meet standards for handicapped accessibility. In general we will have no center in the network that is not accessible to the disabled.

All of the senior centers have accessible facilities, as do the centers for homeless and women in distress. Every library and other public buildings are accessible for everyone as well.

While the buildings are accessible, over time we will have to make sure that other aspects of the public computing spaces can be fully useable as well. For people in wheelchairs we will



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have to make sure that they can easily move chairs so they can get access, and that the tables or desks do not prevent them 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 work out a reasonable solution.

**15. PCC - Center Locations, PCC - Center Capacity, PCC - Size and Scope of Target Audience.**

PCC - Center Locations & Center Capacity & Size and Scope of Target Audience.

**16. PCC- SBA Population Demographics**

Age Distribution
Age Distribution: 70 and above
Age Distribution: 60-69
Age Distribution: 50-59
Age Distribution: 40-49
Age Distribution: 30-39



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Age Distribution: 20-29
Age Distribution: 5-19
Age Distribution: 0-4

<b>Ethnicity or ethnicities</b>
Ethnicity: Hispanic
Ethnicity: Non-Hispanic White
Ethnicity: Non-Hispanic Black
Ethnicity: Non-Hispanic American Indian
Ethnicity: Non-Hispanic Asian
Ethnicity: Non-Hispanic Hawaiian or Pacific Islander
Ethnicity: Non-Hispanic Other
Ethnicity: Two or More Races

<b>Gender</b>
Gender: Female
Gender: Male

<b>Median Household Income</b>
Median Household Income: \$25,000 - \$34,999
Median Household Income: \$35,000 - \$49,999



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<b>Educational Levels</b>
Educational Levels: Nursery school - Preschool
Educational Levels: Elementary - Kindergarten - Grade 5
Educational Levels: Middle - Grade 6 to Grade 8
Educational Levels: Secondary - Grade 9 to Grade 12
Educational Levels: College
Educational Levels: Masters
Educational Levels: Doctorate/Post-Doctorate

<b>Disabilities status</b>
Disabilities status : Blindness, Deafness or a severe vision or hearing impairment
Disabilities status : A condition that substantially limits one or more basic physical activities such as walking, climbing stairs, reaching, lifting or carrying
Disabilities status : A physical, mental or emotional condition lasting 6 months or more

<b>Unemployment Rate</b>
Unemployment Rate: 9.40

<b>Language</b>
Language : English - Primary
Language : English - Second Language
Language : Non-English Speakers



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

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**17. Public Computer Centers Outreach**

UC2B’s outreach strategy is based on its critical social institution partners. Their constituencies have a strong demand for the use of broadband; while they have some, they don’t have enough. UC2B is answering this demand.

1. Outreach has already started. Negotiations with institutions, three public forums attended by 50+ people each (representing more than 100 organizations), open city council subcommittee meetings, media coverage, and a door-to-door survey have alerted many to the coming big broadband opportunity.
2. Hiring local people is outreach. This outreach will be through family, friendship, and institutional networks. UC2B Above Ground will pull these social networks into its centers. This will legitimate the new staff of UC2B and increase their standing in the community. It will enlist family and friends into an informal network of community support for UC2B.
3. UC2B will use TV, radio, and print aimed at the entire community and audiences such as Latinos, African Americans, students, and so on. UC2B will document best practices and examples of success in these outlets by press releases, interviews, photos, articles, and audio/video.
4. UC2B outreach will feature what people produce in the centers. Outreach will include moving local cultural awareness from traditional formats to digital formats that take advantage of big broadband connectivity and promoting/celebrating the digital artifacts of cultural production.
5. UC2B will encourage people to download other people’s content and even more importantly to upload their own content. UC2B training and support is not only intended to promote the usual sanctioned standards for computer literacy, but also literacy with which people can create digital artifacts of culture and consciousness that reflect the history/condition/future of the community, what it thinks of itself and society, and what it is going to do about making the future a fulfillment of their dreams. UC2B will encourage people to dream in cyberspace and make their dreams become reality.



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6. UC2B will convene an annual community conference including a report by the UC2B policy committee, a review of service with all providers present, the sharing of experiences among public computer centers, a computer fair and competition, a keynote address, sessions of papers, panels, and posters from scholars and students, and tours of public computer centers and university computer facilities—altogether a celebration of digital culture and big broadband.

7. Staff will attend every community organization meeting possible, pitching big broadband to local leaders from the PTA to the health coalition to the NAACP with brochures and comments about the utility of public computer centers and big broadband connections for their organization and its activities. This reflects UC2B’s model of community as having a network of leaders: they know each other, and they need to know about UC2B. Big Broadband Sunday will be key here.

**Public Computer Center Capacity: Training and Educational Programs**

**18. Public Computer Centers Peripherals and Equipment**

164 desktops will be distributed across the network of 46 public computer centers. These will be dual-boot (Mac and Windows) iMac 20” machines with locks and repair warranties. With extra memory to remain functional longer than usual configurations, unit cost \$1500.

54 laptops will be distributed to 29 staff and three libraries which have specific needs for mobile use by patrons. Staff will move around the two cities and need laptops for productivity and for demonstrating big broadband usefulness to others. With repair warranties. Unit cost \$1300.

One laptop will be used to regularly reimage the desktops and laptops. Pushing a new image across the big broadband network, which technically possible since it will be like one big LAN may not always be desirable. In some cases reimaging can be part of the regular visits to each center, which will be moment for sharing news, solving problems and building social capital. Unit cost \$3400 with free OS X server upgrades for three years, and will be loaded.



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Three desktops will provide the foundation for music/media and digitization work in the Mad Lab. Specially configured dual-boot Mac Pros, unit cost \$6165.

One server will provide listserv and web services from the Mad Lab. Rack- mounted Xserve running OS X server with RAID, multiple disks, unit cost \$7500.

Additional items include group printers, a copier, music/media devices, scanners, cameras, stands and racks, analog players, cables, and other networking equipment.

**19. Public Computer Centers Workstation Software**

The 164 desktops distributed across the network of 46 public computer centers will be dual boot (Windows and Mac OS), installed with Microsoft Office, antivirus, and a range of free applications. Emphasis here will be on educational and social games, Squeak and other programming tools, sound and video, creating/working with images, and basic but versatile video/audioconferencing. The 54 laptops distributed to 29 staff and three libraries will have the same and will be work tools and demonstration tools.

Three desktops for specialized work in the music/media space and the digitization space of the Mad Lab will be specially built with professional quality software such as Final Cut Suite, Logic Studio, Aperture, and others as well as a range of open source tools common to digitization projects such as Google Books, the Open Access Initiative, and Project Gutenberg.

The strong local Linux community is also interested in collaborating with UC2B to introduce people in the centers to Linux as a third operating system.

**20. Public Computer Centers Training and Education Programs**

UC2B's training and education programs are based on its understanding of literacy of all types: computer literacy, information literacy, and literacy per se (reading and writing).

The collective experience in community informatics at the University of Illinois includes at least six different sets of curriculum materials. This provides a rich set of resources on which UC2B will build. We will also use the general standards adopted in Europe, the European Computer Driving License (<http://www.ecdl.org/publisher/index.jsp>). We will also use the five curricula recommended by the Community Technology Centers' Network:





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(<http://ctcnet.org/what/resources/msup/adaptedcurricula.htm>).

For local buy-in and local content, a team of UC2B staff and staff from the existing public computer centers will assemble a basic curriculum for computer literacy.

Another basic feature of UC2B will be to build a web portal to include all of the sectors of our community that we are serving, so that everyone enters the same virtual community. As a network of labs we are embracing everyone in the community. We will start with where people are, and then we will work to bring everyone together. Graduate students will build comprehensive resource lists and aggregate an FAQ.

Our basic plan is to hire a group of 17 part-time cybernavigators to work across the entire UC2B network. The job will require experience in one of the sectors UC2B will serve as well as several years experience, a degree, or coursework in computer science and/or a helping profession. The interview will include taking a test to demonstrate proficiency in information technology. There are active computer science programs in area high schools and at Parkland Community College (<http://your.parkland.edu/academics/departments/csit>) to draw from. The priority is to hire from the target areas for the UC2B Below Ground. UC2B aims to create jobs for people who come from the areas of greatest focus in both the ARRA legislation and the BTOP NOFA.

Teams of cybernavigators will specialize in sectors of our community. For example, cybernavigators will service 10 senior centers and become experts in computer education for seniors. This involves the team as individuals spending one morning a week in each of the senior centers. As we will be using video conferencing in each place we anticipate a reservation schedule for half-hour sessions by which the seniors can have a video chat with family members. We expect this to be a popular application, so we will organize the early adopters to assist other seniors who might find it more convenient to videoconference at night or on weekends. There will also be an emphasis on sending holiday cards, uploading and downloading pictures, storing files on an external storage device, and even playing virtual bingo or other games they choose, by networking all of the senior centers in a citywide tournament!

For instance, we will work with the women's shelters to recruit someone who knows their mission and clientele and brings a special sensitivity to their needs—the need to recover, to get





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reoriented, to get back on one's feet with a job and a home, to keep one's children optimistic and engaged for the future, and to have some fun to stabilize and give love to the children.

Some basic lessons we have learned from previous work:

1. It is best to teach basic computing skills in relation to content and not as isolated technical skills.
2. Games are very popular and can be very educational. In our ABC classes (Adult Basic Computing) we have often taught the use of the mouse by helping people learn how to play solitaire on the computer. Other people are keenly interested in playing and developing games.
3. People often learn best in groups of friends, in a safe space.
4. Learning is reinforced when people teach others something they have recently learned.
5. Memorization is the basis for creativity. Examples range from the artist Michelangelo and his countless anatomical drawings to saxophonist John Coltrane, who memorized and practiced every musical scale of both Western and Eastern cultures.

## **E-2- Project Benefits – Sustainable BroadBand Adoption**

### **21. Innovative Approach to Sustainable Broadband Adoption**

UC2B plans a qualitative leap into big broadband by taking the community of Urbana-Champaign as one integrated social system. It aims at 46 public computer centers while also involving a total of 137 critical social institutions that make up UC2B. In a town dominated by world-class, world-leading technology initiatives, the community-level digital divide can and will come to an end, based on a bold and comprehensive plan. That plan is UC2B.

Our innovation is:

1. UC2B will be a network of 46 public computer centers with local staff supported by 17 cybernavigators (teachers, helpers) and technical staff.



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2. UC2B will cover 12 areas of social life: education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors.
3. UC2B will be sustainable, part of the local cyberinfrastructure.
4. UC2B will cover the spectrum from basic computing skills to high end multimedia production.

UC2B will harness the energy of the community to become uploaders, producers of digital content. Our first target is the cultural history of the vulnerable population which is also the voiceless in the digital age. The digital content of UC2B will gather and present the voices of the vulnerable populations, their stories in their words, images, and sounds.

Our media capacity will enable us to create our own educational video segments on our entire curriculum and post these online for the public here and throughout the country. UC2B will extend Champaign-Urbana's national leadership in community informatics.

Exemplary activities will include:

1. Big Broadband Sunday: staff will visit 25 churches each quarter to speak with people about UC2B and bear witness to our good works.
2. Monthly digitization projects: the Mad Lab will partner with community organizations to digitize key documents of their experience (text, photos, sound and video, film, and of course digital files) and build websites containing all this information.
3. UC2B will rely on active community guidance via a) its community advisory board, b) an independent organization of public computer centers, and c) regular community-based focus groups.

UC2B approaches the cities of Champaign and Urbana as a social system and not an aggregation of public computing centers or households. People move through many places in the course of a week or month. It is useful to have some level of transparency and articulation so that flash drives, software, hardware, and so on are relatively standardized and planned for optimal use by everyone. UC2B deals with several axes of social inequality that make for



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vulnerability (e.g., low incomes, minimal education, public housing, homelessness, women in distress), so we must maintain standards because a high level of literacy is our goal for all members of the community. UC2B is building a comprehensive program; that is the baseline for our innovative approach.

**22. Sustainable Broadband Adoption Household Subscribers.**

How many total new home subscribers (household accounts) to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded? **2,500**

**23. Sustainable Broadband Adoption Institutional Subscribers.**

How many total new business and/or institutional subscribers to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded? **200**

**24. Sustainable Broadband Adoption Users of Public Access Facilities.**

How many total **users** of broadband in public computer centers or **users of broadband outside the home** (e.g., in a community college) do you expect to generate through use of BTOP funds over the entire life of the program funded? **22,000**

**25. Sustainable Broadband Adoption Population Demographics.**

Please refer to PCC – SBA Demographics section (Section E1- Question 17)

**26. Sustainable Broadband Adoption People Trained/Educated.**

If you intend to provide training or education, how many people **in total** will your program(s) reach? **8,000**

**27. Sustainable Broadband Adoption - Scope of Training/Education Programs.**

How many hours of training do you expect to provide *per person on average* for each participant in your training program(s), through completion of training for that individual? If you will offer multiple programs, provide estimates for each program. **13,000**

**28. Sustainable Broadband Adoption Instructor Qualifications.**

How many (FTE) instructors/facilitators will you employ for broadband and digital literacy training purposes, and what are their qualifications (training and experience)?

Senior staff resumes are attached. Other instructors include 17 cybernavigators, 5 Mad Lab workers, 50 summer interns. Draft job announcements/hiring procedures are below.

a. Cybernavigators.

"UC2B is hiring 17 half-time workers to help people use big broadband-connected computers at community locations across Champaign-Urbana and in 12 sectors including education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors. Big broadband is new to C-U and you will be helping



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people do new things with it. You will work as part of a networked organization on a team that is constantly learning. You will be assigned to a set of public computing centers and one or more of the sectors listed above. You must be:

- \* knowledgeable and willing to learn more about hardware/software/new uses of IT
- \* excited about educating others about these
- \* familiar with one of the sectors above
- \* able to move around town every week

Several years experience and/or a degree/coursework in computers and/or the helping professions is highly desirable. A skills/knowledge test is part of the interview. Tell us why we should hire you. Write/send your resume to [jobs@uc2b...](mailto:jobs@uc2b...)”

b. Mad Lab workers.

“UC2B is hiring 5 full time staff, undergraduates or other capable individuals, to assist in its Mad Lab, opening May 2010 in Douglass Park, Champaign. Two kinds of positions will be filled:

- 1) reporting to the IT director, installing/maintaining workstations and other digital devices in existing/planned public computer centers serving low income, disabled, senior, or otherwise vulnerable populations and liaising with tech and user support at those centers;
- 2) reporting to the Digital/Cultural Production director, installing, operating, teaching and supporting people in using tools for a) creating/distributing sound, video, and other digital media/programming, b) digitizing content including paper, books, audio/videotape of all sizes, 3-D objects, and c) teleconferencing locally or globally.

We seek individuals who can perform on a diverse team and continue to learn. Programming and digital production skills are a plus. A skills/knowledge test is part of the interview. Tell us why we should hire you. Write/send your resume to [jobs@uc2b...](mailto:jobs@uc2b...)”

c. Summer interns.

These individuals will be screened as they complete Big Broadband Spring/Intro. They will be



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interviewed by one or more cybernavigators, and if approved assigned in teams to carry out Institutional Transformation through Information Technology (IT-squared) with a partnering organization from one of the 12 sectors.

Cleaners will also train by their example of expert and meticulous workstation cleaning.

UC2B Above Ground will carry out vigorous internal education for staff. This will prevent an internal digital divide with UC2B Below Ground. All instructors listed above will attend weekly lectures of Big Broadband Spring/Intro.

**29. Sustainable Broadband Adoption Equipment Purchased.**

How many broadband-related equipment units (e.g. computers, wireless devices) do you intend to purchase overall? **223**

**30. Sustainable Broadband Adoption Cost of Devices.**

What is the total up-front cost of this equipment? **400,160**

**31. Sustainable Broadband Adoption Loan Program Participants.**

If you are providing an equipment purchase or loan program, for how many households, businesses and/or institutions do you expect to provide equipment or computers?

**Number of Households:**

**Number of Businesses:**

**Number of Institutions:**

**32. Sustainable Broadband Adoption Loan Cost to Borrower.**

If you are employing a loan program for purchases of service or equipment, what will be the total cost to the typical customer you assist over the life of the loan, including all interest and fees?

**33. Sustainable Broadband Adoption Target Population, Awareness Campaign.**

If you are conducting an awareness campaign, how many people do you expect your campaign will reach? **23,750**

**34. Sustainable Broadband Adoption Awareness Campaign Methods**

We will be using a comprehensive approach to raising consciousness about big broadband, what it is, how people are using it, and best practices for people in the various sectors we are actively working in via our public computing centers. The general thrust of big broadband use will be conveyed in situation-specific projects. As a word of mouth, demonstration, local outreach/marketing campaign, the general idea is, “Here is what your neighbors are doing, maybe it’s something you might be interested in as well.”

As directed in the NOFA, UC2B will be targeting underserved areas, vulnerable populations,



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and critical social institutions (anchor institutions and public computer centers).

1. The 12 sectors we will be working with each have a community of organizations, key players, and mechanisms of communication and networking. The 12 sectors are: education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors. For each sector we will build a web portal with resources and FAQs that will be constructed by the staff of each relevant public computing center.
2. A major push during the first rollout of connectivity will be to have a Big Broadband Sunday during which volunteers will attend churches in our main areas served by the public computing centers, especially the target area for our FTTP project. They will have laptops and handout material to advertise the project, to discuss the importance of big broadband and how people are using it in the broader community. This is being arranged through the area wide Ministerial Alliance of Champaign County who have indicated the support for this project.
3. As an annual event we will be using the UC2B annual community conference as a major awareness moment and mobilization campaign. If each community computing center brings 10 people, and we mobilize our student base, as well as community members at large we will have an annual conference of at least 500 people. This is one in every 171 people in the two cities.

The program will include a report by the UC2B policy committee, annual review of service with all providers present, annual review of public computing centers, a computer fair and competition, a keynote address, sessions of formal papers, panels, and posters from scholars and students, and tours of public computing sites and university computer facilities, and a celebration of digital art and big broadband.

Part of our awareness campaign will involve the media.

1. There are several local newspapers that we will use as media outlets. A monthly column will be published by UC2B in order to publicize best practices in the public computing centers. This information will be culled from quarterly reports, and staff reports. This will be attempt to get a diversity of voices and experiences in front of the total community, both to celebrate success and to use best practices as stimulation for replication.
2. WILL, the local university affiliated education radio and TV station will be an active partner





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with UC2B. They have been documenting the big broadband activities and will continue to do so. They are the first public radio AM station in the US and has a great track record of public awareness for all kinds of information technology (<http://will.illinois.edu/>).

3. Each fall the course Big Broadband 101 (Intro) will be video taped and broadcast as a webinar. This will be a series enjoyed by the entire community and be a major contribution by the University of Illinois to awareness of big broadband, its history and how it will be used in the UC2B project.

Finally our project awareness campaign will be placed in the hands of the staff and participants.

1. A major awareness tool will be a community wide Wiki designed to recruit community members to upload information about their lives and the aspects of the community they deem important like biographies of key people, entries on institutions and organizations, events and historical chronology,

2. All of the staff will be encouraged to use the social networking sites set up by UC2B, including Face book, My space, and Twitter. We will teach people about these tools and encourage them to build participation using them.

3. Our biggest effort will be our community outreach workers who will attend every community meeting to discuss big broadband and the UC2B programs.

A handbook on our network of public computing labs will be developed and shared with every technology program in all the schools, libraries, and the network of labs. This will include a directory of labs, curriculum and hours, and a map.

In each sector there will be special events to capture the imagination of people. A good example of this is virtual senior Bingo afternoon during which seniors throughout the community will be encouraged to join in. We will work closely with the senior community on designing this activity.

In addition we will work with a local artist to design a poster for UC2B that will be posted though out the community and in all the public computing spaces.



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In all of this the UC2B logo, based on Frank Lloyd Wright iconography and suggesting UC2b's multiple fiber rings, will appear. We will be well branded on all of our material, including decals on all laptops. Some of us are already wearing shirts with the logo and attracting some attention.

### **35. Measuring Campaign Impact for Sustainable Broadband Adoption**

UC2B will employ several methods to measure its impact and the subsequent increase in the number of people who adopt and use big broadband.

UC2B will use a new policy information tool called DEPR. DEPR (pronounced deeper) is the Data Engine for Policy and Research being implemented at the University of Illinois Graduate School of Library and Information Science. The DEPR team 1) works with programs to identify/harvest data that programs decide to collect in order to do their work, 2) combines that data with analytical tools (GIS, text mining, statistics, automatic report generation, visualizations), 3) provides that data+tools package back to program managers via a structured online interface, and 4) offers a researcher's analysis of that same data.

The UC2B research advisory board will ensure that this happens responsibly by establishing practices that protect the public in public computing centers just as libraries have established practices that protect patrons. What books you check out is private and protected by libraries, librarians, and laws. What websites you check out is not as protected, but UC2B thinks it should be. The public using UC2B will also be able to review/give input on the design and implementation of research. UC2B's evaluation research will follow rules the university already follows (IRB) and add new rules to fit new conditions.

Every public computer center will be a data source. Cybernavigators will turn in a log with their timesheets for trend data on activity in the 46 public computer centers and 12 sectors. These measures will be both quantitative and qualitative; cybernavigators embedded in their environments act as survey researchers and ethnographers.

UC2B will conduct 12 monthly focus groups each year covering each of the 12 sectors. This will help us understand people's attitudes towards big broadband in their lives and work activities.





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Network management tools will generate summary workstation usage data. This will protect users privacy while allowing UC2B to measure progress towards optimum capacity and adjust our efforts. It will save staff the time it takes to manually measure usage. As above, UC2B will not monitor what people do on workstations.

UC2B will be helping many people set up email (gmail, yahoo, others) and will collect each person's email address by helping them write an email to the UC2B outreach worker. He/she will then use these emails to keep in touch with people and find out whether/how they are using big broadband so that we can follow up and adjust our programming.

UC2B's help desk at the Mad Lab will routinely ask three questions of each caller and record information in simple pre-coded categories:

- What is your problem?
- What public computing center do you use?
- How/when did you hear about UC2B?

Website traffic analysis will give us an indication of the response to any public initiative or event. Longitudinal data will show long term impact.

**36. Sustainable Broadband Adoption Total Cost Per New Subscriber.**

What is the total cost of your project per new subscriber (household, individual, or institutional) or new end-user? **887.00**

## **F. Project Viability**

### **Technical Viability**

**37. Technology Strategy**

**37 - A. Public Computer Center Technology Strategy**

The overarching technology strategy for UC2B Above Ground is to be comprehensive (45 centers), specialized (the Mad Lab), sociotechnical (using the human power promoting and supporting people using big broadband), and creative. This means that underserved areas and vulnerable populations will have:



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1. technology that is stable and supported in their immediate environment;
2. the best specific tools for music/media, access (teleconferencing), and digitization available at a geographically and culturally central location;
3. information, education, tech support, and user support from a corps of trained and computer-savvy people who are rooted in the local culture of the 46 centers and the 12 sectors they represent (education, libraries, women, employment, homeless, disabled, health, public safety, churches, community centers, media/culture and seniors); and
4. ground in the past, present and future creativity of big broadband adopters, especially people in underserved areas and vulnerable populations themselves. This is expressed in the brand name, “You see to be.”

One example of this fourth aspect is that in the process of preparing the UC2B grant proposals, university staff took a fresh look at the historic problem of not being able to donate university equipment to nonprofit or in-need users. This persistent problem was addressed in a flurry of correspondence between local tech workers and state government officials; we now have a legal way to share these machines. It is a taste of what will be possible in the environment of the drive for broadband that the BTOP/BIP funding has energized.

More specifically on the equipment, peripherals and software tools themselves, UC2B Above Ground will rely on the following guidelines:

1. Our strategy with equipment and peripherals includes enabling a comprehensive range of text and multimedia uses and operating systems, stable over more than several years. A computer starts to become obsolete once it is shipped from the manufacturer; this strategy is to combat that by investing in more computing power than typical packages offer.
2. Maintenance will rely on face-to-face reimaging as needed, supplemented by extended warranties and collaboration with local staff at the public computer centers. Anything else is not possible given the multiple LANs the centers run on, and face to face facilitates sharing news and ideas, solving problems, and building community.
3. File storage for individuals will be minimized because of the confusion and cost it can



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generate, but external hard drives of all sizes will be encouraged and flash drives provided at cost. This will save a great deal of time and money, not only by saving filespace but also by minimizing authentication requirements and file archiving tasks.

4. Printing will be limited and, again, flashdrives will be plentiful. Printing has to be guided by local policies at each public computing center, but at the Mad Lab printing will be only within numerical limits and only by physically handing a flash drive to a member of the support staff. In many instances, flash drives are actually an alternative to printing, and an opportunity for storage space but also big broadband outreach when branded with the UC2B logo.

5. UC2B community webspace traffic will be managed by combining UC2B and Mad Lab resources with widely accepted commercial resources. For instance, the UC2B Mad Lab web server will serve the community listservs, podcasts, audio quicktime streams, blogs, static pages, and images, while people who wish to post video will be directed to Google Video, Youtube, and other such services, especially linked with UC2B “channels” at these sites.

These technology strategies and policies, and the updates that will be needed, will be part of UC2B Above Ground 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.

**37 - B. Sustainable Broadband Adoption Technology Strategy**

The overarching technology strategy for UC2B Above Ground is to be comprehensive (45 centers), specialized (the Mad Lab), sociotechnical (using the human power promoting and supporting people using big broadband), and creative. This means that underserved areas and vulnerable populations will have:

1. technology that is stable and supported in their immediate environment;
2. the best specific tools for music/media, access (teleconferencing), and digitization available at a geographically and culturally central location;
3. information, education, tech support, and user support from a corps of trained and computer-savvy people who are rooted in the local culture of the 46 centers and the 12 sectors they represent (education, libraries, women, employment, homeless, disabled, health, public safety, churches,



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community centers, media/culture and seniors); and

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## Organizational Capability

### 38. Management Team Resumes.

Please refer to upload section at the end of document.

### 39. Organizational Readiness

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 provides the academic framework for the UC2B Above Ground (PCC and SBA) work. These faculty founded Prairienet in 1994, built up and documented the Murchison Community Technology Center in Toledo over 1997-2007, and carried out other work detailed elsewhere in this application. This experience is complemented 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 46 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. A weekly digital divide discussion series was held in fall 2008 and will continue in fall 2009. All



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speakers are part of the extended professional network responsible for UC2B’s application. This on-campus activity was united with a formal governmental process in the Broadband Access Committee, part of the two cities’ Telecommunications Commission. The public coalition formed out of this process is the Champaign Urbana Open Access Coalition (cuopenaccess.org). This website was launched and is maintained by a GSLIS graduate student. Our community has highly skilled folks already working on this important historical transformation; they have joined forces to make UC2B hit the ground running.

For the construction phase of UC2B and for at least the first 5 years of operation, networking staff from the university will operate the backbone network and the WDM-PON equipment that will deliver services to end users. The campus network covers more than 1468 acres, connecting 300 plus buildings with mostly 1 Gbps links to a 10 Gbps backbone. The campus network utilizes more than 145 routers and another 1,200 layer 2 switches and provides wired and wireless service to 60,000 plus students, faculty, and staff utilizing more that 70,000 network devices.

The UC2B Infrastructure proposal, which is comprised of two layer 2 devices, four layer 3 devices, and eventually some 2,700 Optical Network Terminals, would be installed, configured, and maintained by the University WAN Networking team. The WAN team would also coordinate with potential providers to provision services across the UC2B infrastructure to corresponding subscribers. Customer care would be provided by the community help desk operating out of the Mad Lab, or by any given ISP providing service to their customers.

**40. Organizational Chart.**

Please refer to upload section at the end of document.

**Community Involvement**

**41. Key Partners**

Our list of partners is attached as supplemental material along with letters. At least 137 critical social institutions are involved in UC2B to date.

The Urbana-Champaign Big Broadband (UC2B) Consortium is itself a collaboration of three





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public entities (the University of Illinois at Urbana-Champaign, the City of Urbana and the City of Champaign) that have approved the attached Intergovernmental Agreement to form the Consortium. That intergovernmental agreement allows for additional entities to join in the future, and we expect Champaign County and the Village of Savoy to do so. The Consortium will manage the ongoing operations of the UC2B network with one of the three founding organizations always functioning as the lead agency. For the purposes of the BTOP grants, the lead agency is the University. For the UC2B infrastructure proposal, we desire as many private and public partners as possible. Metcalfe’s law states that the value of a telecommunications network is proportional to the square of the number of connected users of the system. We believe that is correct, and UC2B will always have low barriers for those who wish to connect. There are far too many partners to fit in the one-half page allotted for this answer. Many of the organizations that have already agreed to work with the UC2B team are represented in the attached letters of support, including women’s programs, senior centers, healthcare facilities, arts and education sites.

UC2B has connected with so far with 30-plus public computer centers and more continue to surface.

**42. Partnering with Disadvantaged Businesses**

UC2B’s small and disadvantaged business involvement takes three forms.

1. An agreement in principle to contract with a socially/economically disadvantaged small business to clean/sanitize the machines at all 46 public computer centers. This is important in the era of H1N1 flu. UC2B is proud to have found a business to take this on.
2. Relating to infrastructure and aided by UC2B’s entrepreneurship-building aspects, UC2B and interested individuals from the local disadvantaged population have mapped out a two-step business development plan. This is necessary because small business concerns as defined by section 8a of the SMA 15 USC paragraph 637 are not evident in our area. Step one includes union electrician training for members of underrepresented and disadvantaged populations. (See letter from Champaign Telephone Company for their commitment to conducting this training program.) Step two is to carry out business formation and planning among those trained individuals. This is part of our plans for the sequence of classes in big broadband entrepreneurship and for big broadband business incubation at the Mad Lab. The result will be a newly operational big-broadband-based small business as defined by section 8a of the SMA



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15 USC paragraph 637.

3. UC2B will emphasize big broadband entrepreneurship opportunities that advance underrepresented groups in Champaign-Urbana.

### **Ability to Start Promptly & Timeline**

#### **43. Project Timeline and Challenges**

A charted timeline is included in the supplemental documents uploaded with this application. The text below elaborates on that chart.

The basic strategy for startup is to hire core staff in January, open the Mad Lab in May, and use the Mad Lab as operations center for a summer rollout of technology to the other 45 labs in summer.

To avoid the time and procedures required for permanent university hires, senior staff will be hired in visiting positions. The core staff will be trained in January. Cybernavigators will get additional training with and by senior staff and staff from the 45 centers.

The first quarter, January-March 2010, is startup.

Hiring. A committee of five people will be established to oversee hiring of the 31 non-summer employees.

Training. After hiring, the 31 non-summer-intern staff will be trained together and will tour all 45 facilities and several university computer labs and the university library. Cybernavigators will follow that training with a second training period of researching and creating guidebooks to the sectors across C-U that they will serve. Training of and with the 45 centers will follow, so that the centers and the UC2B staff all teach and learn from each other and can begin the process of standardization of curriculum with any necessary differentiation. Training will then happen annually so that all new staff are brought up to speed.

Broadband courses/internships/entrepreneurship. Begin the three course sequence with





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Broadband Spring / Intro 101, offered in spring 2010 (January-May). This course will recruit 50 students from the University of Illinois, Parkland College, and area high schools. A basic survey, it will cover topics for the beginner and the advanced, a full review of broadband, what it is, what it enables, its history and its social implications.

Facilities: Opening Mad Lab, installing equipment across 45 centers. The Mad Lab will be installed and operational first as the staging ground for all other work. The 45 centers will only be installed (i.e., equipped with adequate technology to bring it up to UC2B standard) after all the various staff have trained together and gotten to know each other. Then estimating on average two centers a week, equipment and other items needed to standardize will be installed at the 45 centers. This will also involve the necessary renovation to expand the space of the Douglass Branch Library computer center.

Then in second quarter, April-June 2010, core activities begin and continue. Annual events punctuate each year. Revenue from UC2B big broadband customers begins in year two, so that the Above Ground project and its staff can continue past the BTOP funding.

After team building and review/revision of plans and division of labor, Summer 2010 is when full operations get underway.

As explained above, UC2B has a business model that will begin to provide a revenue stream as of the second year of the grant sufficient to maintain the project staff after the three years of NTIA funding has been exhausted.

During the second through 12th quarters, activities will fall roughly into three categories:

1. The three course sequence. The first course Big Broadband Spring / Intro 101 will be a comprehensive survey of basic issues concerning the background and plans for UC2B. These lectures will be videotaped and broadcast for the public. During the summer the second stage Big Broadband Summer / Internships 102 will focus on institutional transformation, including the installation of new workstations in the network of 46 public computer centers. And the final third stage Big Broadband Fall / Entrepreneurship 103 will involve the creative task of proposal development in competition for Big Broadband social entrepreneurship awards.

2. Support for the public computing network, technical support to centers, sectors and UC2B



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households, and training/education. UC2B staff will provide both technical service and teachers to support the program of the public computer center. The teachers will visit each center on a weekly basis and the technical team will visit monthly or as needed.

3. Cultural production of digital artifacts in the Mad Lab. We will be focusing on the cultural products that have an organic acceptance in the cultures of the communities we are serving. The making of music and video documentation will be emphasized, along with digitization and teleconferencing.

The following activities will take place on an annual basis:

1. UC2B annual conference. This will sum up and take stock of how UC2B is developing. All aspects of the project will be featured and all stakeholders will be asked to participate in discussions and decisionmaking.
2. UC2B handbook. This will cover all aspects of the project, including “how to” instructions for UC2B participants regarding use of the public computer centers as well as setting up and using big broadband at home.
3. Broadband summer internships (see above).

There are challenges:

An immediate challenge will be to get systematic data for monitoring results and creating quarterly reports. This is a critical challenge for every organizations serving underserved areas/vulnerable populations.

Another challenge is how we will service the computers in our network. This is a technical issue and also a social question, combining both technical and educational aspects of our staff. What is remarkable is that the technology is likely to allow the entire city to be one large LAN, making remote imaging and support possible.

As the economy struggles to get going, low income populations are going to cut back on expenditures. Even with UC2B’s low cost and fast speed, we will have to be creative and planful to maintain a steady rate of broadband adoption.



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Safety and security of equipment will be a risk in such a diverse network of centers. We will lock down every workstation and share solutions between centers before problems arise.

**44. Non-Infrastructure Projects - Licenses and Regulatory Approvals**

**45. Legal Opinion.**

Please refer to upload section at the end of document.

## G. Project Budget & Sustainability

### Project Profile: Budget and Budget Narrative

**46. Budget Narrative**

UC2B Above Ground comprises both Public Computer Center (PCC) work and Sustainable Broadband Adoption (SBA) work. The explanations below of each line in form 424A section 6 reflect the synergy between these two aspects.

But first, several aspects of the budget are important to note as necessary and appropriate.

1. Three-quarters of the \$5 million budget is dedicated to jobs and economic development. What this means is that \$3.77 million is paying salaries, benefits, and local business. What is more, these dollars are particularly aimed at local people, not university faculty/students, not out-of-towners:

- 41% of \$5 million will pay local hires
- 19% university hires
- 9% out-of-town hires
- 6% local contractors and entrepreneurs
- 
- 75% for jobs and economic development

2. What is more, these jobs, contracts, and entrepreneurship are at all levels of skill and qualifications. So the saving/creating jobs goals of the broadband stimulus are met in this proposal.



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3. The high-tech but even more high-touch aspects of generating new users and new uses of broadband are also met here. When the technology conditions are right, as they will be with UC2B, people recruit people to broadband.

4. Smaller in dollars but just as significant, the indirect or overhead charges on the \$5 million project are \$600,000, or 11%. Again, this is not a moment where the university is dollaring up in the name of the town. This was achieved by moving activities off campus into the underserved area and out of the university into local institutions.

To provide detail on the budget lines:

Personnel, line 6a, includes only the staff to be hired by the university. Individuals without bachelor's degrees who are not working on bachelor's degrees cannot be employed by the university for more than 900 hours a year. Such individuals will be hired by a subcontractor (see Contractual below) but will report according to the organizational chart without regard to the hiring organization.

The Director will be a University of Illinois faculty member working .5 FTE on UC2B during the 10-month academic year and full time during the two-month summer. Salary is split equally between PCC and SBA.

- The Partnerships Director salary is split equally between PCC and SBA.
- The IT Director salary is 100% PCC.
- The Education Director salary is 100% SBA.
- The Digital/Cultural Production Director salary is 100% SBA.
- The Administrative Assistant salary is split equally between PCC and SBA.
- Two Lab Assistant salaries are 100% SBA.
- Two 5 FTE Graduate Student Assistant salaries are split equally between PCC and



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SBA.

- Three .5 FTE Undergraduate Hourly Worker salaries are 100% PCC.
- 50 Summer Interns are 100% SBA.

Fringe benefits, line 6b, are paid to these individuals at current university rates.

Travel, line 6c, is for trips by directors to conferences to share information and learn, split between PCC and SBA.

Equipment, line 6d, is for capitalized equipment, split between PCC and SBA.

Supplies, line 6e, is for expensed furniture and computer equipment, program supplies, and office supplies, split between PCC and SBA.

Contractual, line 6f, is for renovation of the Mad Lab and the Douglass Branch Library computer center (split between PCC and SBA); cleaning of workstations in the 46 centers (100% PCC), competitive entrepreneurship grants (100% SBA), and non-degreed staff. Non-degreed staff includes the 17 cybernavigator salaries (100% SBA) and one Outreach Worker salary (split equally between PCC and SBA).

Other, line 6h, is for occupancy of the Mad Lab (100% SBA), printing (split between PCC and SBA), tuition remission for the two graduate students (split between PCC and SBA), consultants from other successful projects who will be brought in to share and learn (100% PCC), and U of Illinois IT support to the Mad Lab and to 2.5 FTE individuals working on campus (split between PCC and SBA).

Indirect charges, line 6j, are calculated from rates that have been negotiated with the Office of Naval Research with an expiration date of 6/30/2011.

**47. Non-Infrastructure Projects - Budget Reasonableness**

One way to address budget reasonableness is by category of expenditure.



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1. Salaries are in keeping with pay scales and human resource policy at a public university. This is true even for those staff who are contractual because the university cannot hire nondegreed individuals for more than 900 hours a year. The lower hourly wages paid are \$14 an hour with benefits, \$15 without, livable wages for this area.

2. Management: Each managerial staff is working with an appropriate scope of tasks and span of control, managing 50 summer interns; 17 half-time cybernavigators; or 2 or 3 lab workers/undergraduates. Seventeen cybernavigators will cover 45 centers (not the Mad Lab) for a minimum of 5 hours a week at each center, plus travel time, preparation, and administrative work. Forty-six public computer centers is an extensive network, but the amount of tech support staff (2.5 FTE, that is, three undergraduates and an IT director) is within typical range, especially considering that they are working alongside other tech support structures already at the centers.

2. All equipment is costed and will be negotiated and purchased at very favorable educational pricing available to a large institution of higher education. The amount of equipment is designed to provide (1) big broadband connections that people will value because the access tools are exactly as needed for comprehensive and cutting-edge uses; and (2) staff productivity tools, particularly as most of the staff will be moving around the two cities as part of promoting and supporting big broadband use. Additional recent but recycled machines will be provided gratis and repurposed as home big broadband workstations.

3. Renovation costs are modest in keeping with community usage and other expenses are focused primarily on communications—whether it be travel to learn and share or printing and production to put out information and education about broadband usage.

A second way to address budget reasonableness is to look at the whole project’s “bang for the buck.” This is very hard to quantify when the project involves doing something new. The two cities and the university have weighed in with their \$2.4 million match to UC2B overall; the State of Illinois has contributed its \$3.5 million match to the Below Ground and bondable portions of UC2B. Over three years, UC2B Above Ground (PCC and SBA together) will spend \$5 million (\$3,950,000 from BTOP) to make the following transformations:

- \* inform 23,750 people about the new opportunity of UC2B broadband
- \* recruit 2500 new home big broadband users



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- \* transform the lives of 22,000 people through learning about and using big broadband in public computer centers
- \* help move 137 critical institutions and 12 sectors serving vulnerable people to broadband ways of working
- \* launch 30 big broadband entrepreneurs

A very, very simplified quantification of all these numbers would cost each transformation at less than \$100.

#### **48. Demonstration of Financial Need**

The financial projections attached to the UC2B Below Ground proposal (Middle Mile & Last Mile Infrastructure) show that the UC2B Consortium has an excellent chance of being sustainable. The sales projections are neither overly aggressive nor overly conservative, but there is not much room for additional expense.

Those projections would be completely under water if the Consortium had to cover debt service on the roughly \$24 million that UC2B is seeking in ARRA assistance for this project. There is no possible way that this project would be funded commercially with that level of debt on its books from day one.

While the university from time to time does things that are in the public interest, even though they may not benefit the institution's bottom line, we have attached a letter (#1000 in our supplemental documents) from the Urbana campus's Chief Budget Officer, Mike Andrechak, which confirms that were it not for federal assistance, the UC2B project could not be funded by the university.

The UC2B Above Ground work targets a population without resources to pay for private-sector or personal training and support with big broadband computing. This population can only obtain social spaces for learning and using big broadband tools by means of a broad collaboration such as UC2B.

The three UC2B proposals are perfect examples of projects that "but for" ARRA funding would not be implemented.





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**49. Historical Financial Statements.**

Please refer to upload section at the end of document.

**Project Profile: Long Term Sustainability**

**50. Sustainability.**

**51 - A. Public Computer Center Sustainability**

UC2B's approach to sustainability is to transform local social life and change public opinion. We have three goals: computer literacy across underserved areas and vulnerable populations (basic and advanced); institutional transformation across community anchor and grassroots organizations in 12 sectors serving underserved areas and vulnerable populations; and community informatics—an ongoing IT support infrastructure within the community. The UC2B mission is the building of cyberpower as the critical mechanism for democracy in the 21st century. UC2B approaches this holistically to impact individuals, social organizations, and popular consciousness.

The UC2B solution is bottom up and sustainable. It builds on numerous locally operated public computer centers and community anchor institutions and grassroots organizations. Resources can and will flow back into the project in five ways:

- a. agreed-upon fees from commercial big broadband sales;
- b. cash commitments by the two cities and the university;
- c. a share in any grant funding that may arise relating to use of the public computer centers for research, and a commitment to seek such funding;
- d. a portion of any revenue from cultural or entrepreneurial innovations and a competitive mechanism for encouraging such innovation; and
- e. a big broadband-transformed local culture and economy that will maintain its big broadband connections and uses.

UC2B Above Ground focuses on recruiting, training, and organizing cyberorganizers. A cyberorganizer is a community-level activist who represents the mission and activities of the



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

<b>Submitted Date:</b> 8/20/2009 3:28:47 PM		<b>Easygrants ID:</b> 3263	
<b>Funding Opportunity:</b> Public Computer Centers and Sustainable Broadband Adoption		<b>Applicant Organization:</b> Board of Trustees of the University of Illinois	
<b>Task:</b> Submit Application - Non-Infrastructure Programs		<b>Applicant Name:</b> Kathy Young	

organization in cyberspace, and uses this activity to build the membership, influence, and resources of the organization. UC2B will succeed if this position becomes a normal function for people in organizations to perform as an elected officer, just like secretary, treasurer, or chair.

UC2B will foster the creation of an independent organization of public computer centers to become the self-governing mechanism for cyberpower among vulnerable populations. In this way the big broadband-using community across the two cities will have checks and balances between major lead institutions (the university and the two cities), major community anchor institutions, and organized representatives of vulnerable populations.

The Ministerial Alliance has received a proposal to implement Big Broadband Sunday. In every tradition there has been a strong connection between reading and freedom, literacy and liberation. Big broadband tools are too powerful and important to be left solely to the market forces to deploy and Metcalfe’s Law (more users increases the value of a network) mandates that as many people as possible should get connected. UC2B can take this discussion deep into every cultural and religious tradition. Big broadband needs and warrants approval by the anchor institutions of the people that bring new creativity and social practices into the soul of the people.

**51 - B. Sustainable Broadband Adoption Sustainability**

UC2B’s approach to sustainability is to transform local social life and change public opinion. We have three goals: computer literacy across underserved areas and vulnerable populations (basic and advanced); institutional transformation across community anchor and grassroots organizations in 12 sectors serving underserved areas and vulnerable populations; and community informatics—an ongoing IT support infrastructure within the community. The UC2B mission is the building of cyberpower as the critical mechanism for democracy in the 21st century. UC2B approaches this holistically to impact individuals, social organizations, and popular consciousness.

The UC2B solution is bottom up and sustainable. It builds on numerous locally operated public computer centers and community anchor institutions and grassroots organizations. Resources can and will flow back into the project in five ways:

- a. agreed-upon fees from commercial big broadband sales;



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- b. cash commitments by the two cities and the university;
- c. a share in any grant funding that may arise relating to use of the public computer centers for research, and a commitment to seek such funding;
- d. a portion of any revenue from cultural or entrepreneurial innovations and a competitive mechanism for encouraging such innovation; and
- e. a big broadband-transformed local culture and economy that will maintain its big broadband connections and uses.

UC2B Above Ground focuses on recruiting, training, and organizing cyberorganizers. A cyberorganizer is a community-level activist who represents the mission and activities of the organization in cyberspace, and uses this activity to build the membership, influence, and resources of the organization. UC2B will succeed if this position becomes a normal function for people in organizations to perform as an elected officer, just like secretary, treasurer, or chair.

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### Project Profile: Outside Leverage

#### 51. Matching Funds.

Please refer to upload section at the end of document.

#### 52. Unjust Enrichment

We are not receiving nor have we requested any federal support for nonrecurring costs associated with any of the three UC2B proposals.

#### 53. Disclosure of Federal and/or State Funding Sources

\$50 million of the 2009 Illinois Capital Bill has been reserved for grants to help with stimulus-funded broadband project match dollars. The three-part UC2B proposal (Infrastructure, Public Computer Center, and Sustainable Broadband Adoption, or as we call them, Above and Below Ground) has received \$3.5 million in state funds, applied to bondable expenditures by the project, which are all in the infrastructure proposal.

#### 54. Buy American.

Is the applicant seeking an individual waiver of the Buy American provision?

No

**Buy American Waiver Request Explanation**

### H. DOC Environmental Checklist

55. SECTION 1 – Please refer to upload section at the end of document.

### I. Compliance and Certification

56. Certification and signature.



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

<b>Submitted Date:</b> 8/20/2009 3:28:47 PM	<b>Easygrants ID:</b> 3263
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Please refer to upload section at the end of the document.

## J. Uploads

In order to improve system performance and help ensure that all applicants are able to complete their applications by the deadline, we have changed the way your application PDF is created. This PDF contains all of the information you entered throughout the Easygrants data entry screens. PDF copies of all documents that have been uploaded can be viewed and printed separately from the **Main page of the application after you submit**. These will continue to be available to you in read-only format after your application has been submitted.

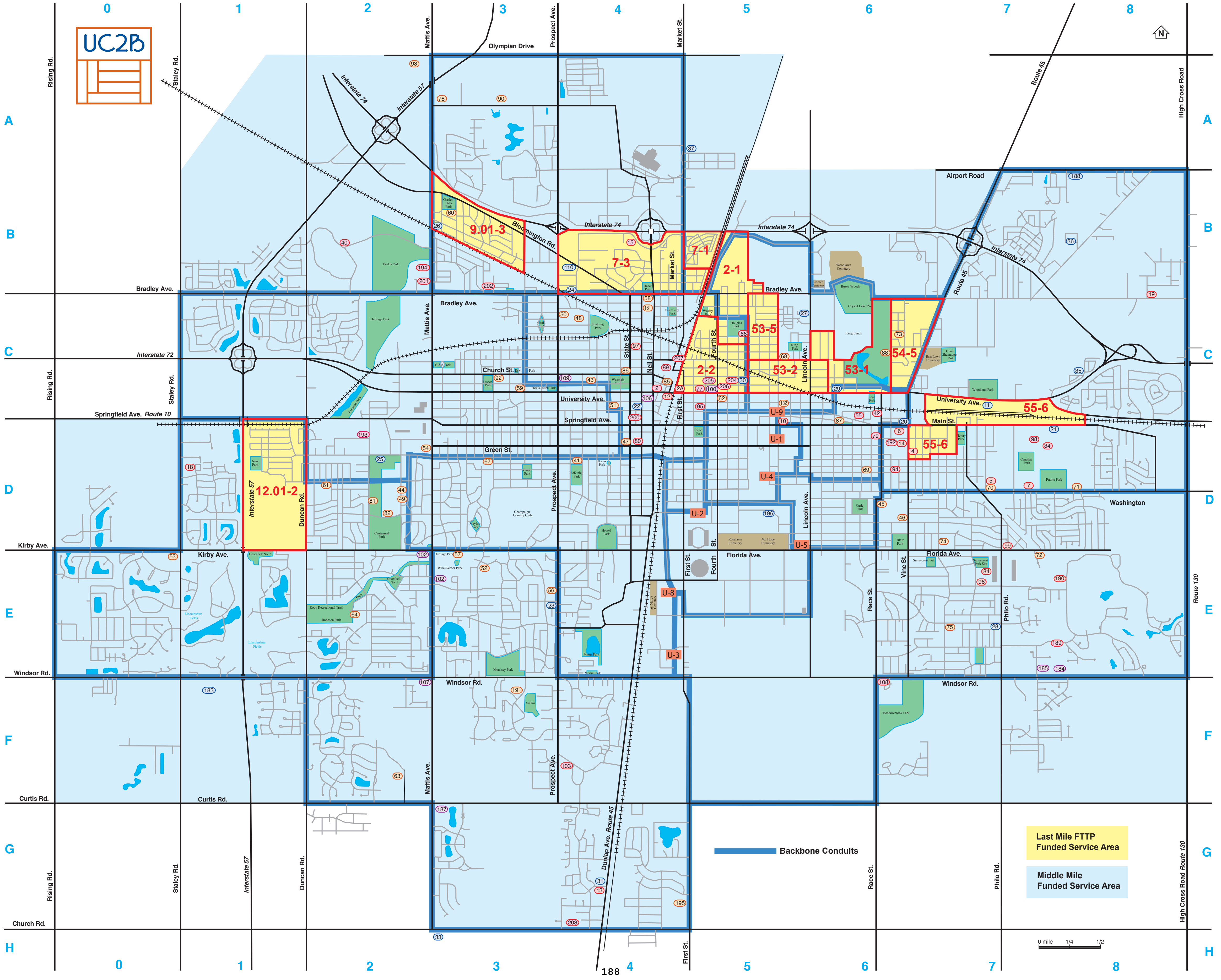
The logo for UC2B is contained within a blue-bordered square. At the top, the letters "UC2B" are written in a blue, rounded, sans-serif font. Below the text is a stylized orange graphic consisting of a large rectangle with a smaller rectangle inside it, and three horizontal lines connecting the inner rectangle to the outer one, resembling a ladder or a simplified building structure.

UC2B

# Urbana-Champaign Big Broadband Infrastructure

Attachments, Maps & Letters





Last Mile FTTP Funded Service Area  
Middle Mile Funded Service Area

0 mile 1/4 1/2





# UC2B - Urbana-Champaign Big Broadband - Critical Institutions

## Government Sites

- 2 City of Champaign - C4
- 3 Champaign Public Works - B4
- 4 City of Urbana - D6
- 5 City of Urbana Public Works - D7
- 6 County Courthouse - D6
- 7 Champaign County Offices - D7
- 8 Regional Planning - C6
- 10 University of Illinois - C5
- 11 MTD - Main Offices - C7
- 12 MTD - Transportation Center - C4
- 13 Savoy Government - H4
- 14 Federal Courthouse - D6
- 17 Champaign Township - D4
- 18 Champaign Township - D1
- 19 Urbana Township - C8

## Public Safety Sites

- 2A Champaign Police - C4
- 4 Urbana Police & Main Fire - D6
- 10 University of IL Police - C5
- 20 Champaign County Sheriff & Jail - C6
- 21 METCAD & Emerg. Services - D8
- 22 Champaign Fire Main - C4
- 23 Champaign Fire - Station 2 - E3
- 24 Champaign Fire - Station 3 - B4
- 25 Champaign Fire - Station 4 - D2
- 26 Champaign Fire - Station 5 - B3
- 27 Urbana Fire - N Lincoln - C5
- 28 Urbana Fire - Philo Road - E7
- 31 Savoy Police & Fire - H4
- 33 Willard Airport - G4
- 34 Youth Detention Center - D8
- 35 Edge Scott Fire District - C8
- 36 Carrol Fire District - B8
- 37 Eastern Prairie Fire Dist. - A5
- 40 Parkland Police - B2
- 100 Arrow Ambulance - C6
- 105 Pro Ambulance - C5
- 183 Champaign Fire - Station 6 - F1
- 188 Urbana Future Fire Station - B8

## Medical Sites

- 15 C-U Public Health - B4
- 29 Carle Hospital - C6
- 29 Carle Clinic Main - C6
- 30 Provena Hospital - C5
- 102 Carle Clinic Champaign - E3
- 106 Christie Clinic Main - C4
- 107 Christie Clinic South Champaign - F2
- 109 The Pavillion - C4
- 110 Francis Nelson Health Center - B4
- 184 Carle Clinic SE Urbana - E7
- 185 Christie Clinic SE Urbana - E7
- 187 Carle Clinic South Champaign - G3

## Senior Living Sites

- 2 Inman Plaza - C4
- 84 SunnyCrest Manor - E7
- 94 Urbana Senior Residence - D6
- 95 HACC Skelton Place - C5
- 96 HACC Steer Place - E7
- 97 HACC Washington Square - C4
- 98 County Nursing Home - D8
- 99 Florida House - E7
- 103 Windsor of Savoy - F4
- 108 Clark-Lindsay Village - F4
- 189 Canteberry Ridge - E8
- 190 Prairie Winds of Urbana - E8
- 193 Round Barn Manor - D2

## Park District & Youth Sites

- 66 CPD - Douglas Center - C5
- 77 Moyer Boy's & Girl's Club - C5
- 81 CPD - Bresnan Center - D2
- 82 CPD - Leonard Center - D2
- 85 Stevick Center - C4
- 86 CPD - Springer Center- C4
- 87 UPD - Phillips Center- C6
- 88 UPD - Main - C6
- 89 Orpheum Science Museum - C4
- 92 CPD Hayes Center - C3

## Pubic Computing Centers

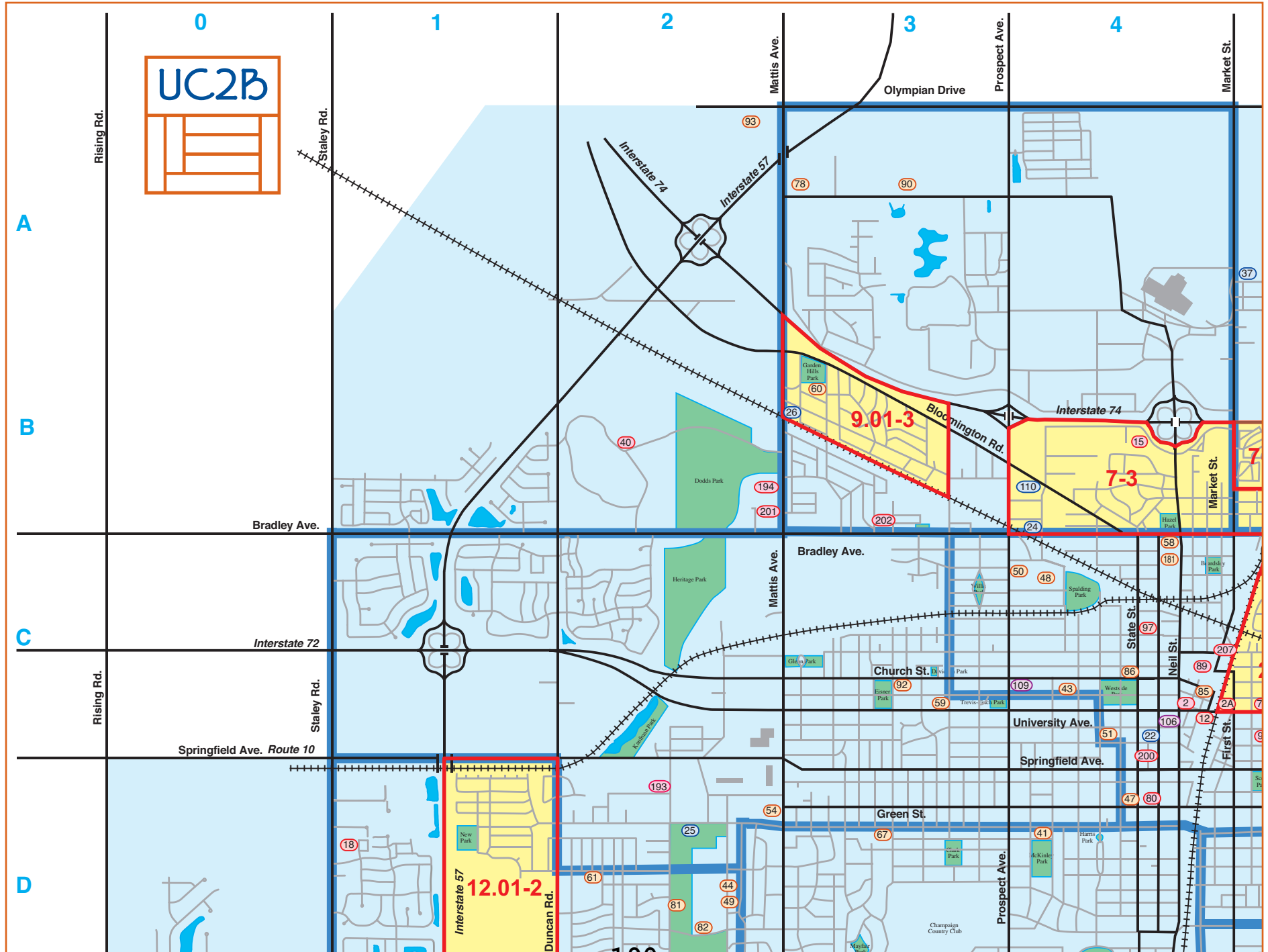
- 2 Inman Plaza - C4
- 15 C-U Public Health - B4
- 40 Parkland College - B2
- 55 Canaan Academy - C6
- 66 CPD - Douglas Senior Center - C5
- 66 Douglas Branch Public Library - C5
- 77 Moyer Boy's & Girl's Club - C5
- 79 Urbana Free Library - D6
- 80 Champaign Public Library - D4
- 84 Sunny Crest Manor - E7
- 85 Stevick Senior Center - C4
- 89 Orpheum Children's Museum - C4
- 92 CPD Hayes Senior Center - C3
- 94 Urbana Senior Residence - D6
- 95 HACC - Skelton Place - C5
- 96 HACC - Steer Place - E7
- 97 HACC - Washington Square - C4
- 98 Champaign County Nursing Home - D8
- 99 Florida House - E7
- 103 Windsor of Savoy - F4
- 108 Clark-Lindsay Village - F4
- 189 Canterbury Ridge - E8
- 190 Prairie Winds of Urbana - E8
- 192 Independent Media Center - D6
- 194 Job Training Center - B2
- 193 Round Barn Manor - D2
- 200 Catholic Worker House - C4
- 201 Restoration Urban Ministries - B2
- 202 Developmental Services Center - B3
- 203 Head Start - Savoy - G3
- 204 A Woman's Place - C5
- 204 Center for Women in Transition - C5
- 205 Bethel Church - C5
- 206 Salem Church - C5
- 207 TIMES Men's Emergency Shelter - C5
- 208 Muslim American Society Center - B8

## Education & Library Sites

- 10 University of Illinois - C5-F5
- 10 University High School - C5
- 40 Parkland College - B2
- 41 Champaign Unit 4 Admin - D4
- 41A South Side School - D4
- 42 Urbana Unit 116 Admin - C6
- 43 Champaign Central HS - C4
- 44 Champaign Centennial HS - D2
- 45 Urbana High School - D6
- 46 Urbana Middle School - D6
- 47 Edison Middle School - D4
- 48 Franklin Middle School - C4
- 49 Jefferson Middle School - D2
- 50 Judah Grade/Mid/HS - C4
- 51 Holy Cross Grade/Middle - C4
- 52 St. Mathew's Grade/Middle - E3
- 53 Country Side School - E1
- 54 St Johns Lutheran School - D2
- 55 Canaan Academy - C6
- 56 Bottenfield School - E3
- 57 Carrie Busey School - E3
- 58 Stratton School - C4
- 59 Dr. Howard School - C3
- 60 Garden Hills School - B3
- 61 Kenwood School - D2
- 62 Marquette School - C5
- 63 Barkstall School - F2
- 64 Robeson School - E2
- 66 BT Washington School - C5
- 66 Douglas Branch Library - C5
- 67 Westview School - D3
- 68 King School - C5
- 69 Leal School - D6
- 71 Prairie School - D7
- 72 Thomas Paine - E7
- 73 Washington School - C6
- 74 Wiley School - D7
- 75 Yankee Ridge School - E7
- 78 Lincoln Trail Libraries - A3
- 79 Urbana Free Library - D6
- 80 Champaign Public Library - D4
- 90 U.S Army CERL - A3
- 93 St. Thomas Moore HS - A2
- 181 Unit 4 Early Learning - C4
- 182 WILL-AM/FM/TV - D5
- 191 Next Generation School - F3
- 194 Job Training Center - B2
- 195 New Savoy Grade School - H3

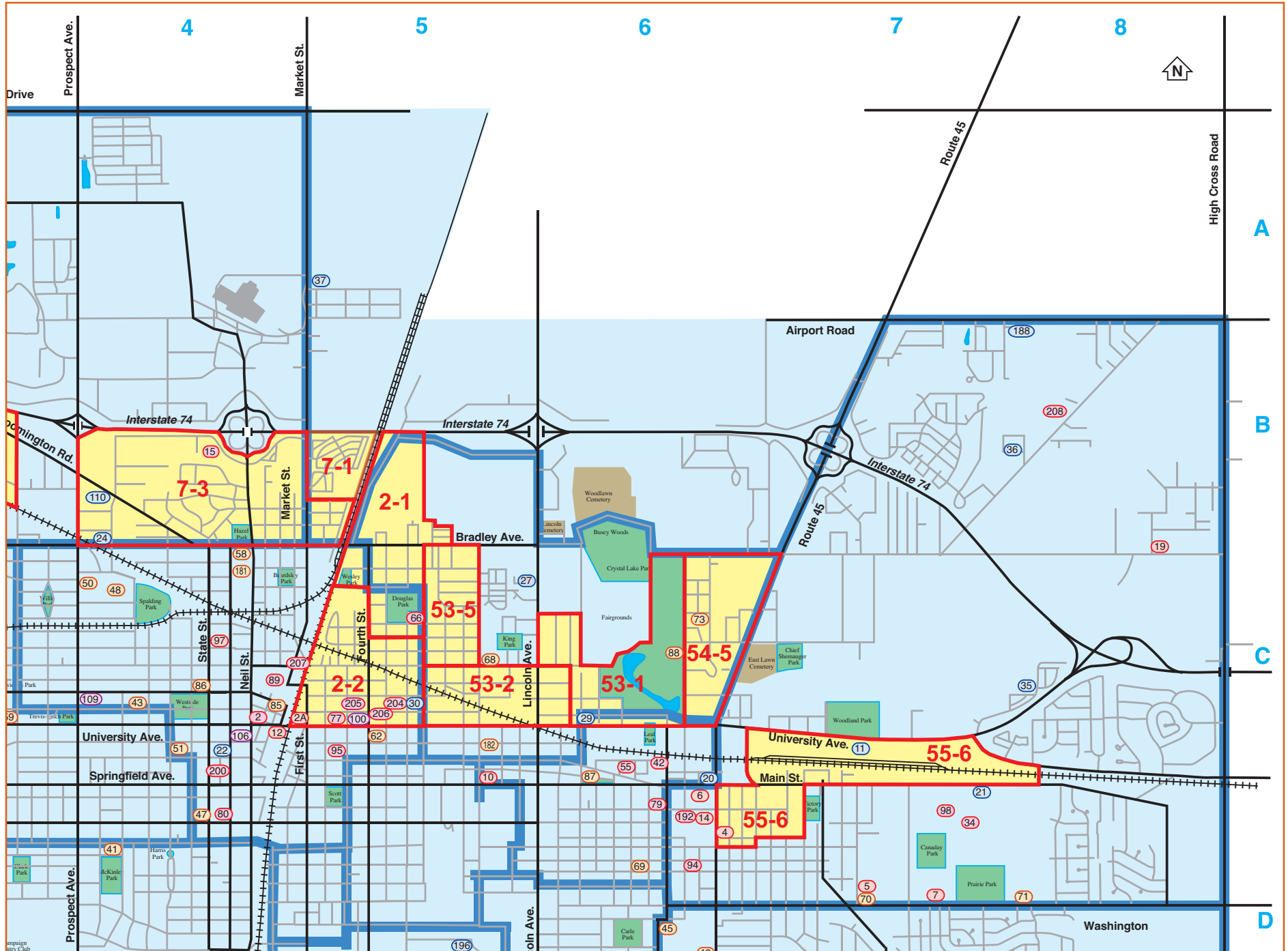
# UC2B Middle Mile Proposed Funded Service Area Map

# NW Quadrant



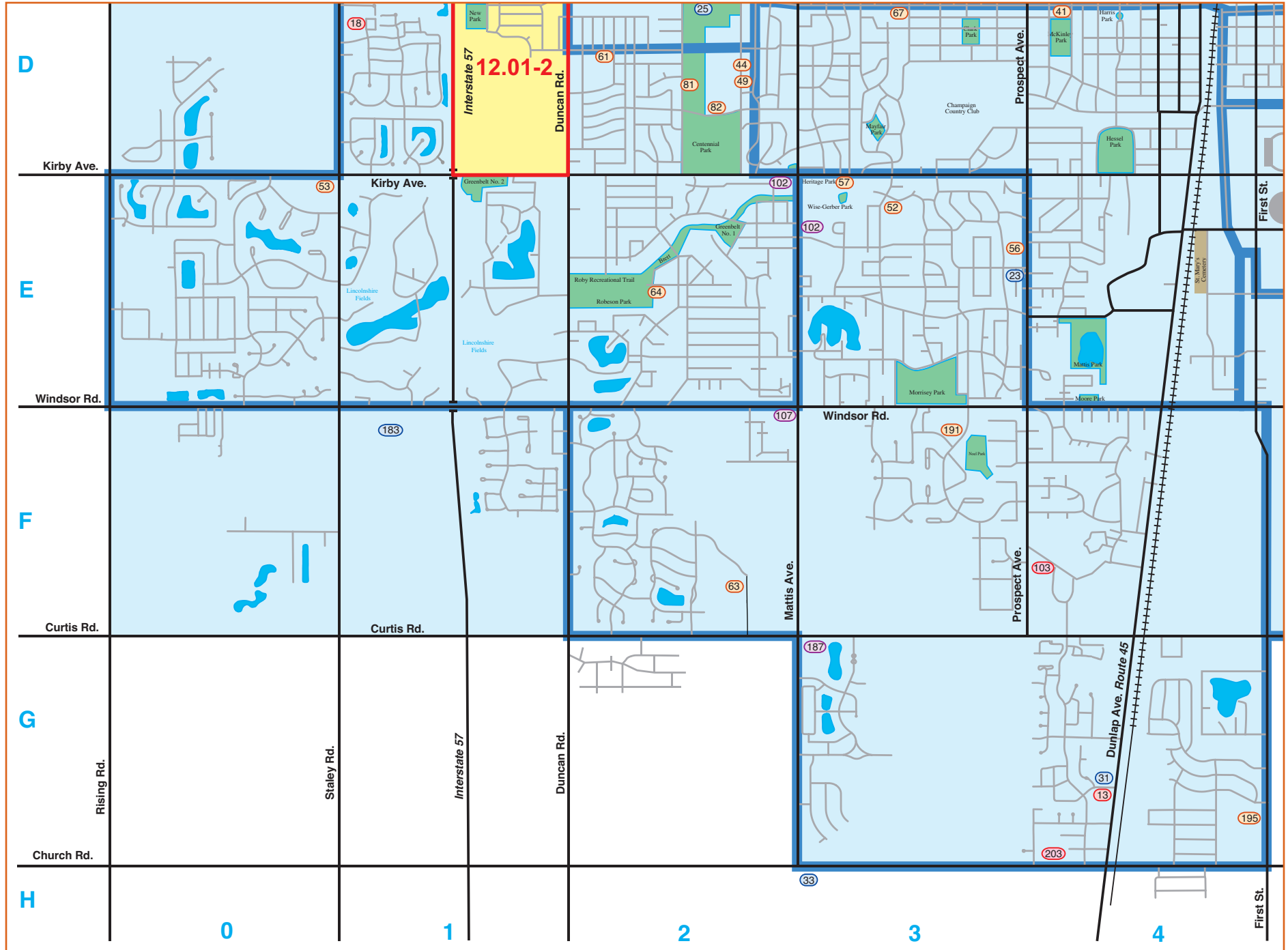
# UC2B Middle Mile Proposed Funded Service Area Map

# NE Quadrant



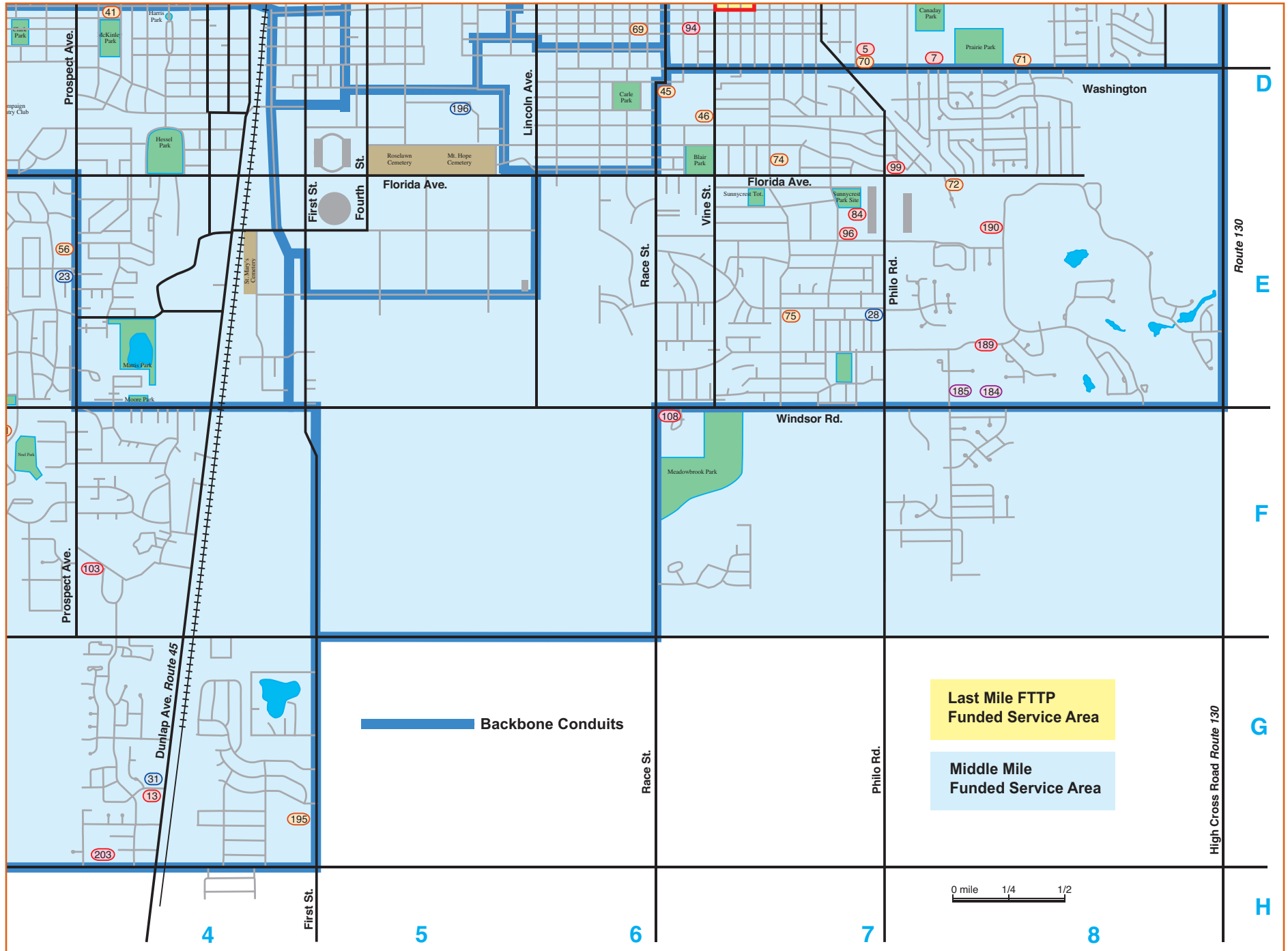
# UC2B Middle Mile Proposed Funded Service Area Map

# SW Quadrant



# UC2B Middle Mile Proposed Funded Service Area Map

# SE Quadrant





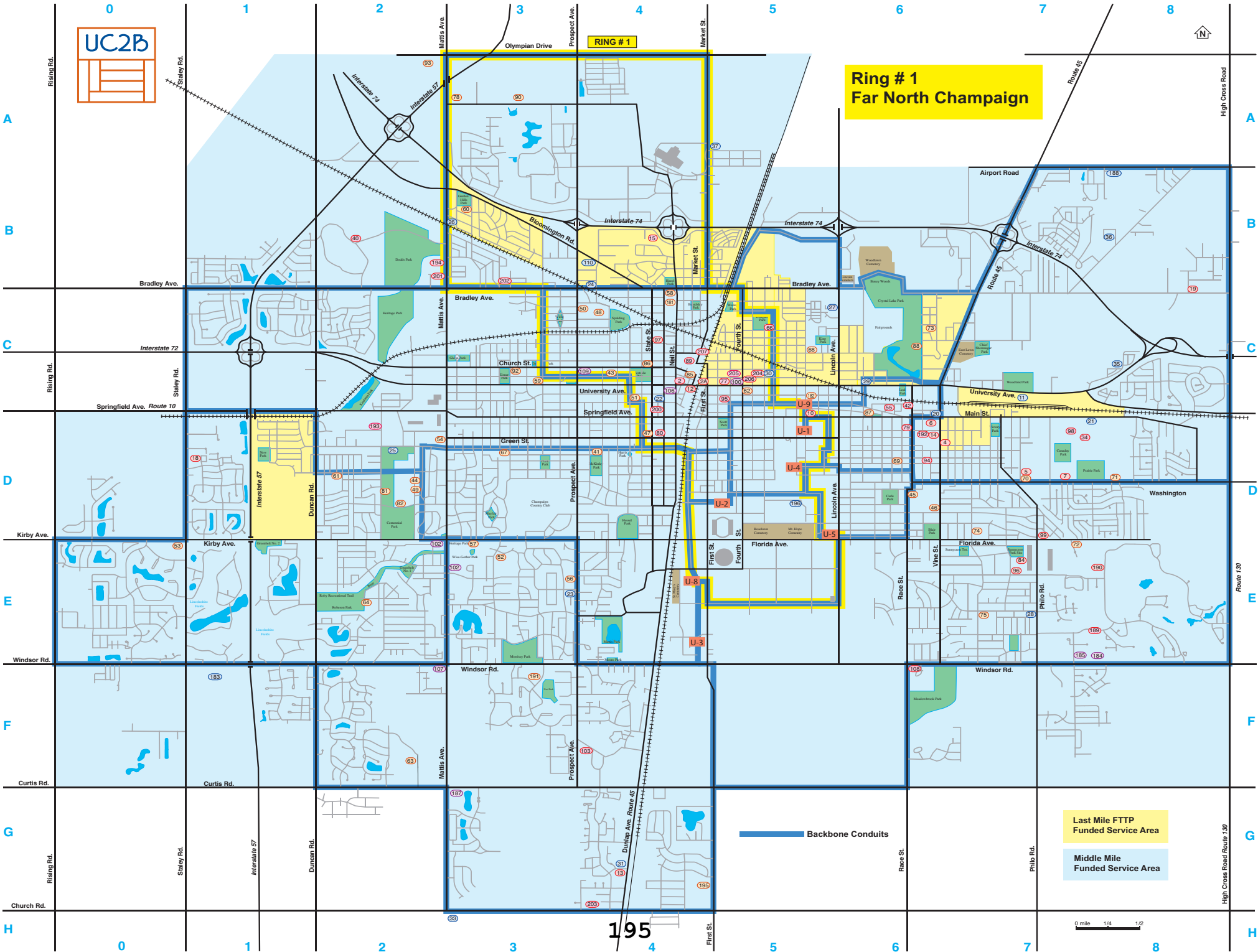
# Urbana-Champaign Big Broadband Middle Mile Fiber Ring Locations





RING # 1

# Ring # 1 Far North Champaign



Last Mile FTTP  
Funded Service Area

Middle Mile  
Funded Service Area

Backbone Conduits

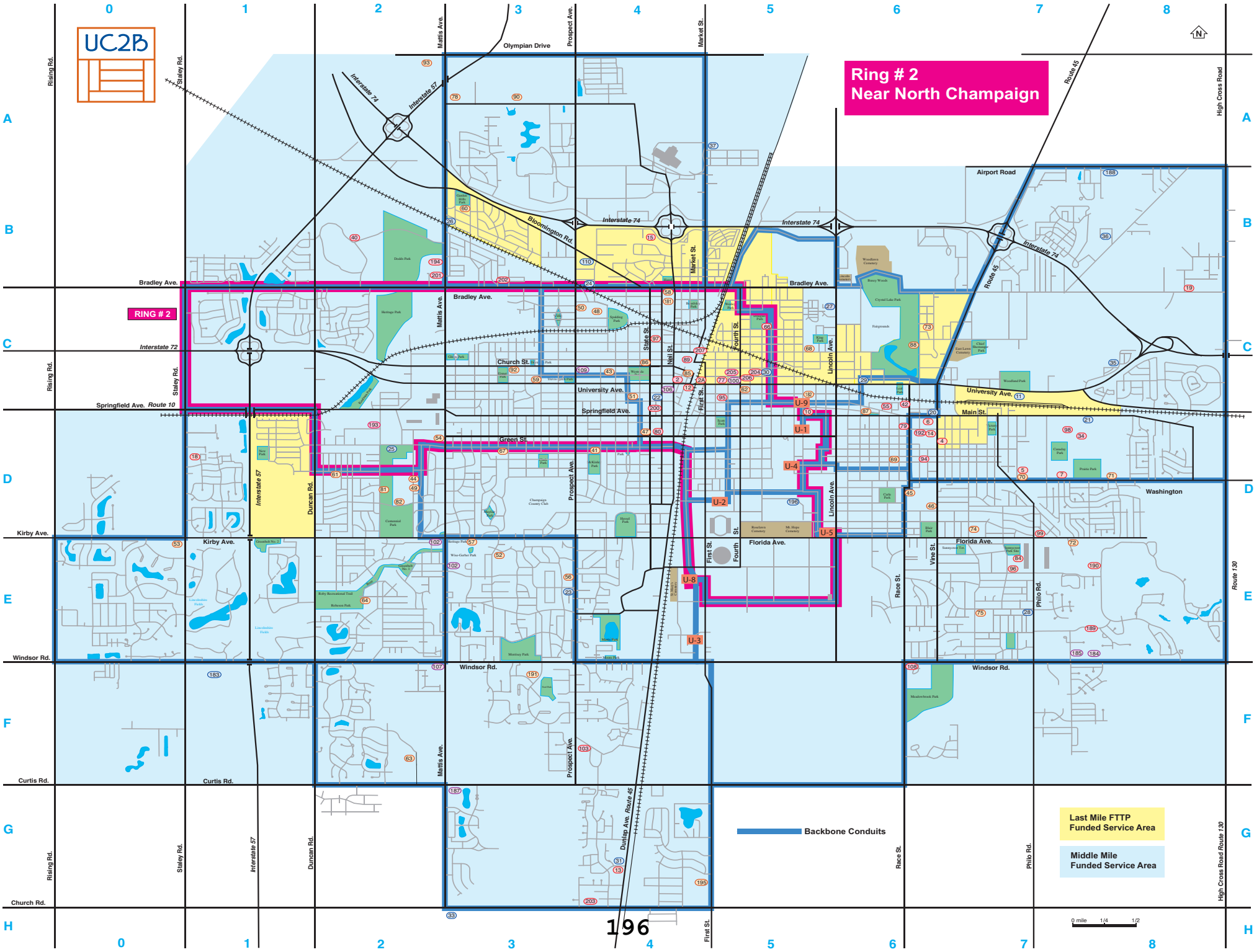
195

0 mile 1/4 1/2





# Ring # 2 Near North Champaign



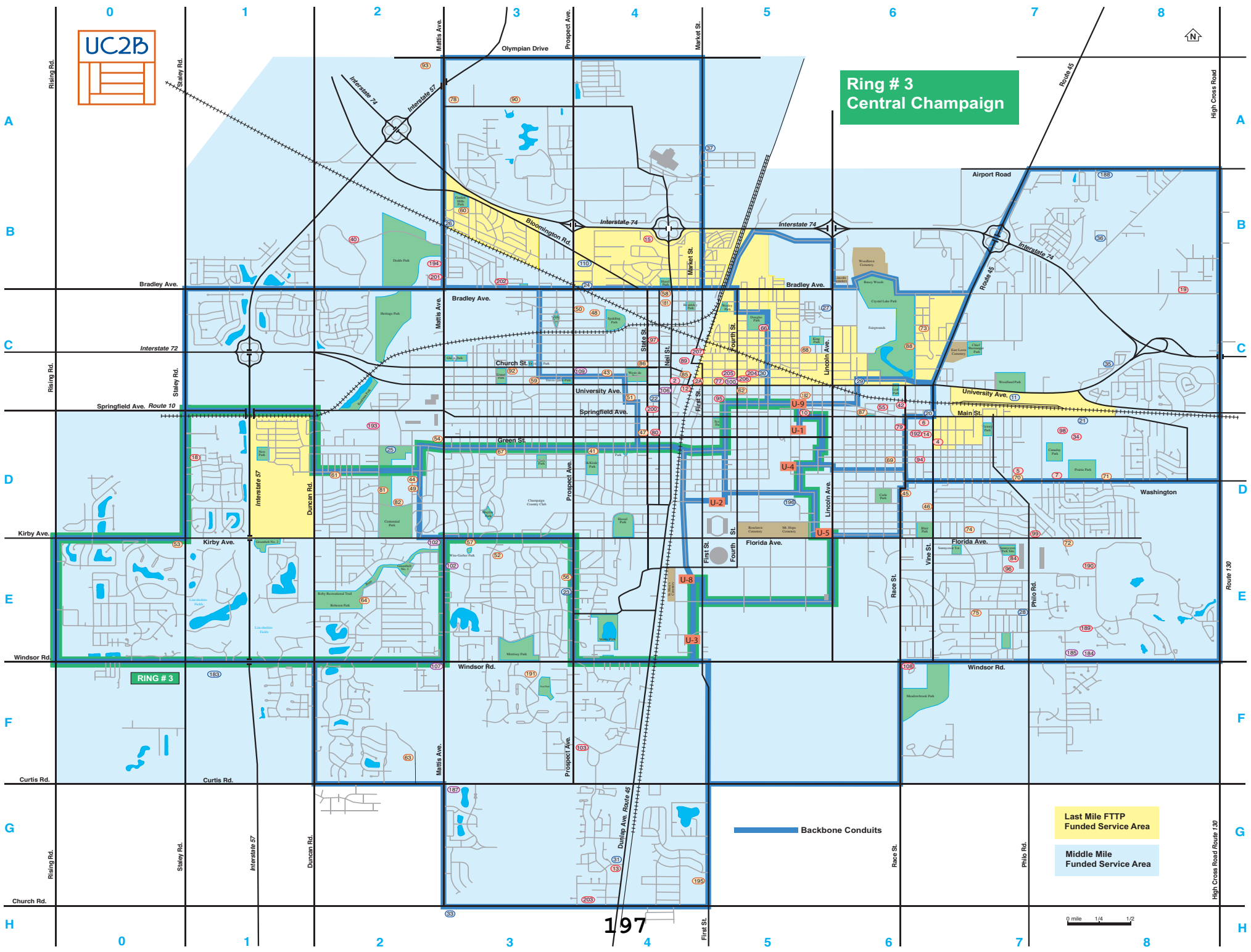
Last Mile FTTP  
Funded Service Area

Middle Mile  
Funded Service Area

0 mile 1/4 1/2



### Ring # 3 Central Champaign



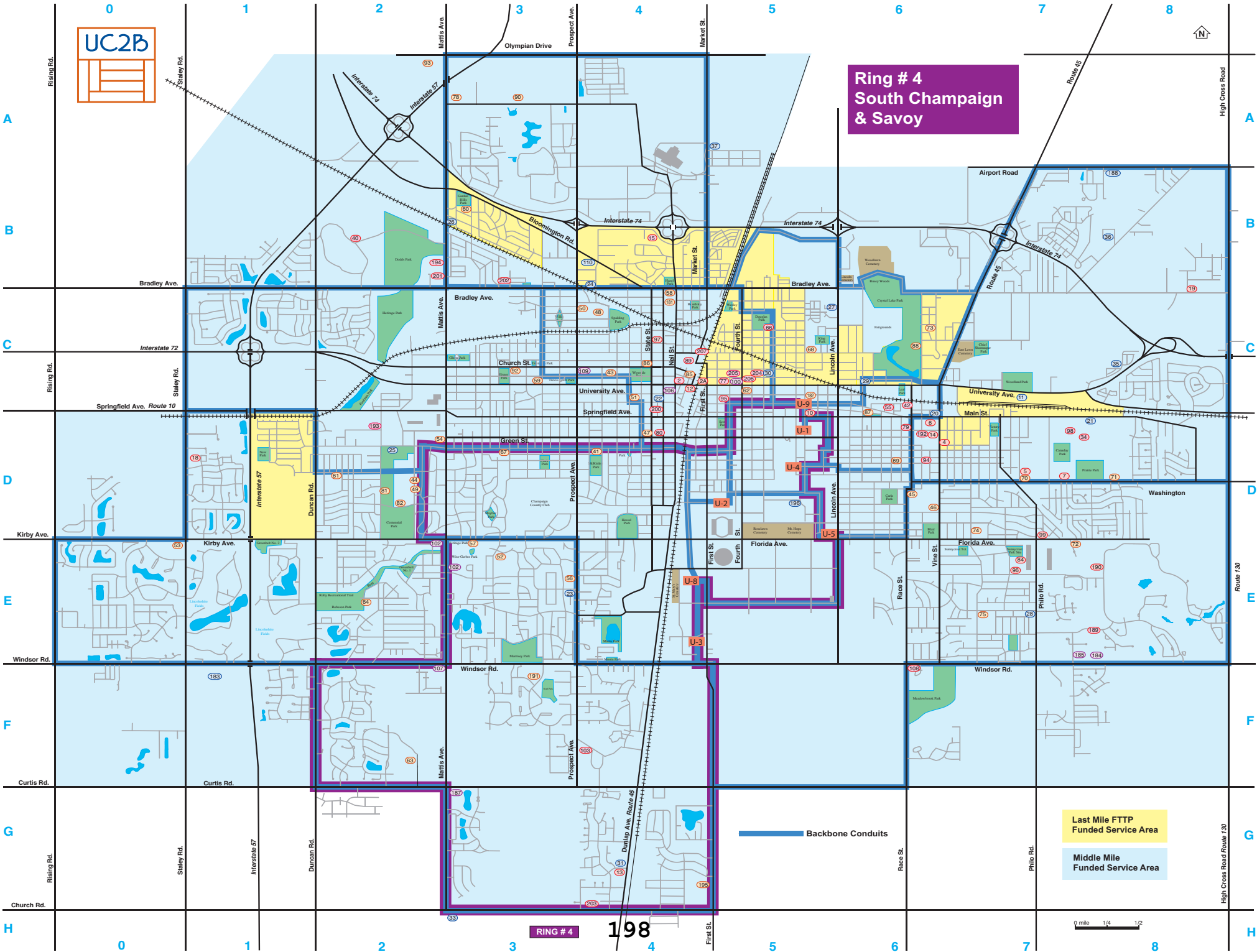
Last Mile FTTP  
Funded Service Area

Middle Mile  
Funded Service Area

0 mile 1/4 1/2



# Ring # 4 South Champaign & Savoy



Last Mile FTTP  
Funded Service Area

Middle Mile  
Funded Service Area

Backbone Conduits

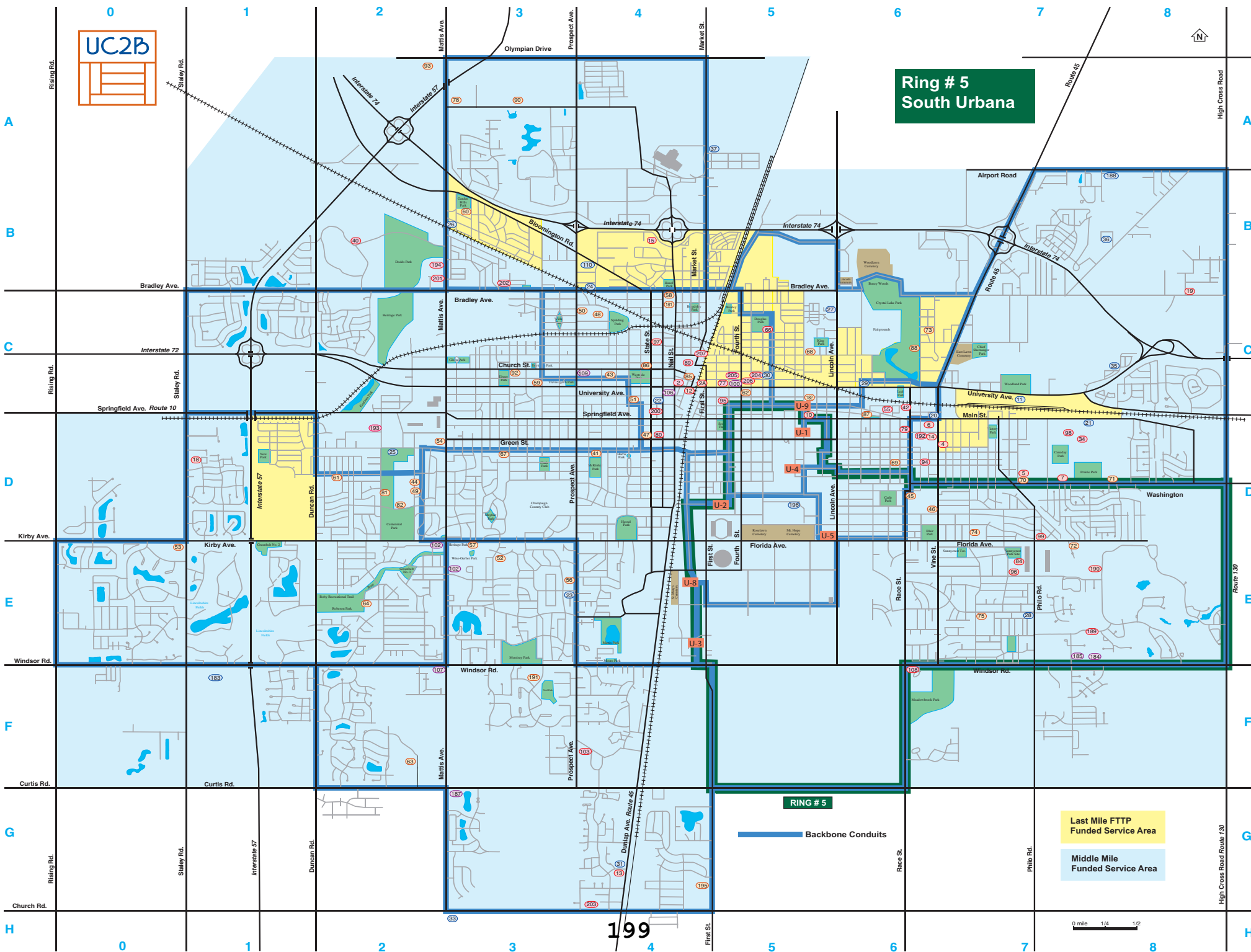
RING # 4

198

0 mile 1/4 1/2



# Ring # 5 South Urbana



Last Mile FTTP  
Funded Service Area

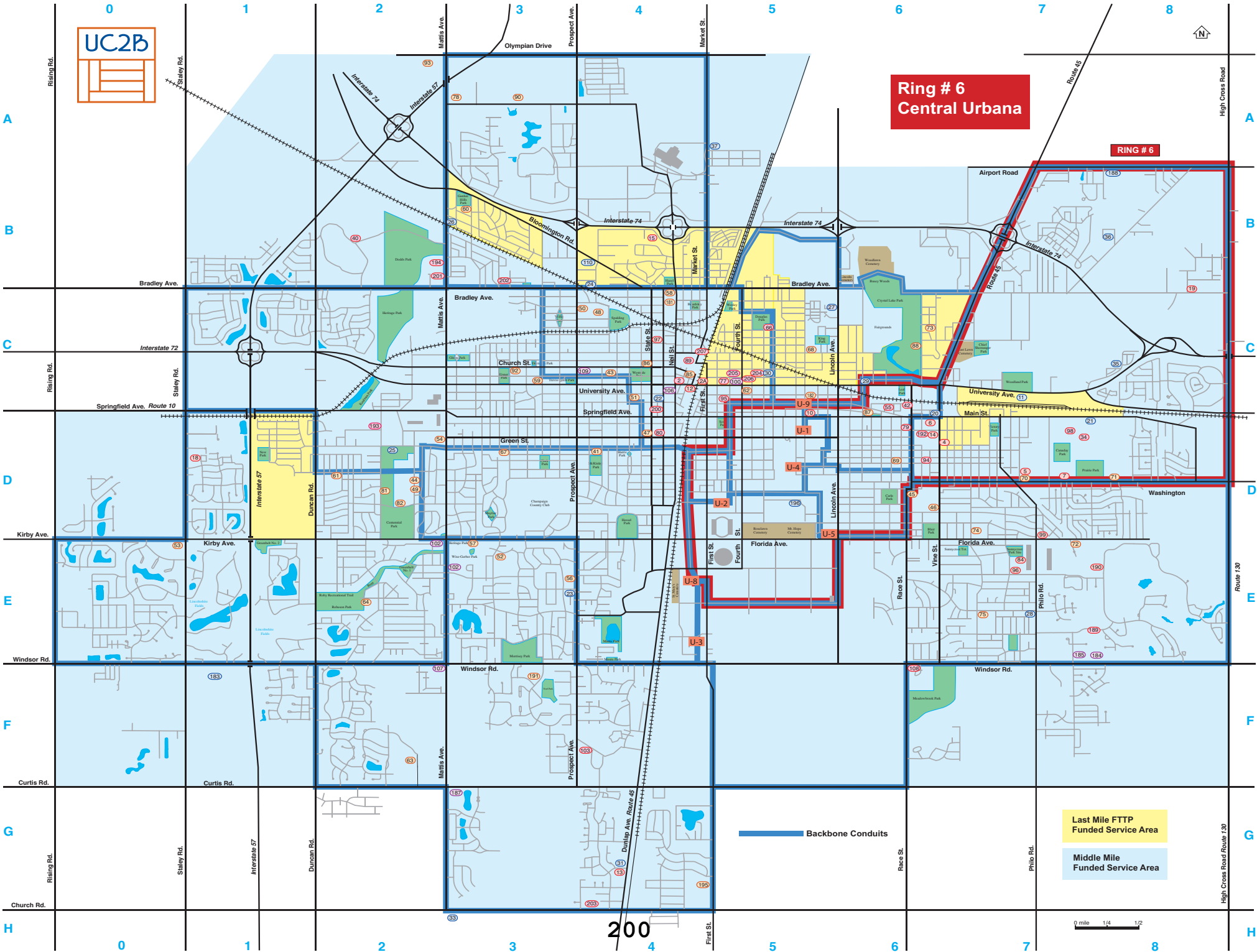
Middle Mile  
Funded Service Area

0 mile 1/4 1/2



# Ring # 6 Central Urbana

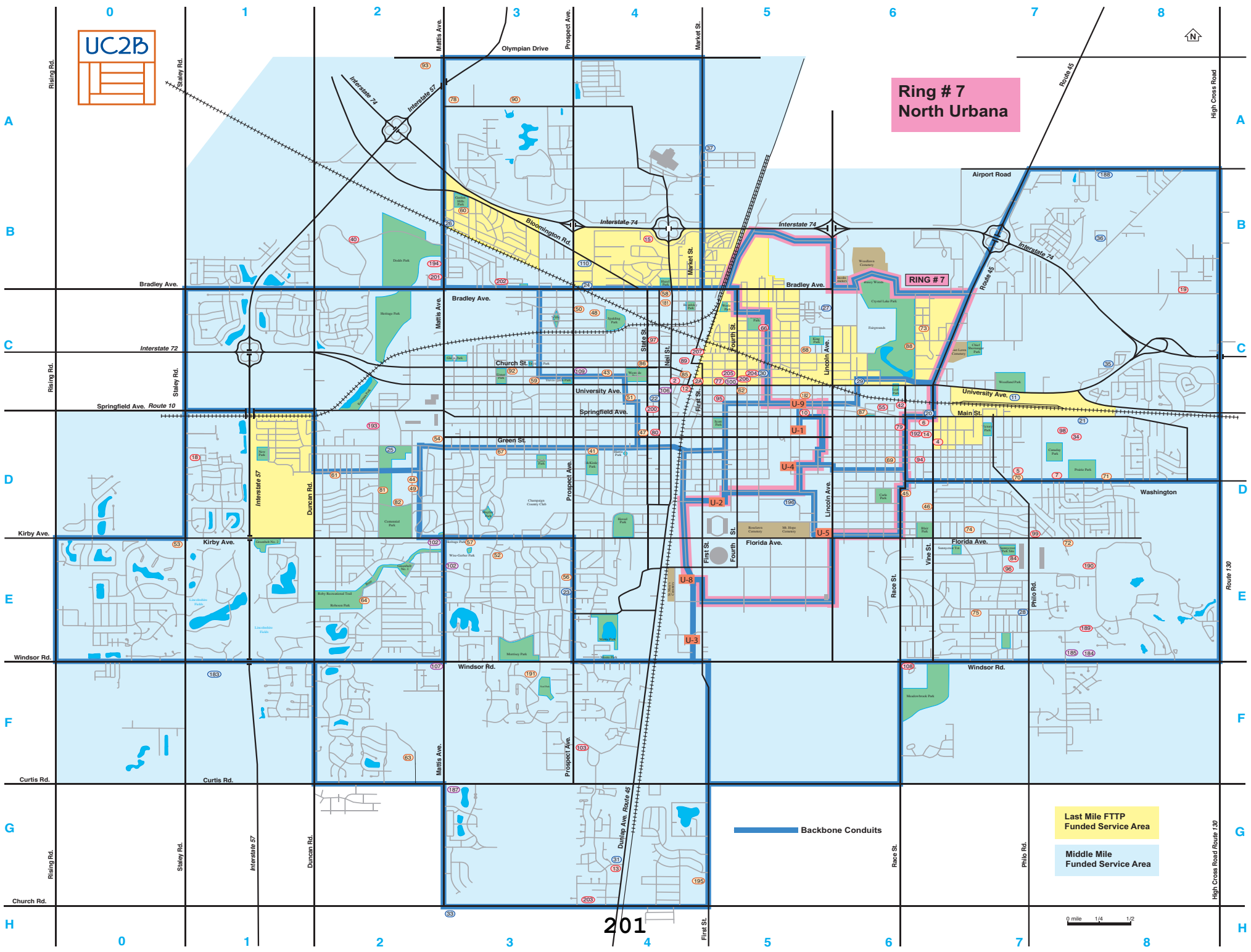
RING # 6







# Ring # 7 North Urbana



Last Mile FTTP  
Funded Service Area

Middle Mile  
Funded Service Area

Backbone Conduits

0 mile 1/4 1/2

201



A

B

C

D

E

F

G

H

A

B

C

D

E

F

G

H

High Cross Road Route 130

Rising Rd.

Staley Rd.

Metts Ave.

Prospect Ave.

Market St.

High Cross Road

Bradley Ave.

Bradley Ave.

Bradley Ave.

Interstate 72

Springfield Ave. Route 10

University Ave.

Springfield Ave.

University Ave.

Main St.

Kirby Ave.

Kirby Ave.

Green St.

Florida Ave.

Florida Ave.

Windsor Rd.

Windsor Rd.

Windsor Rd.

Curtis Rd.

Curtis Rd.

Metts Ave.

Prospect Ave.

Church Rd.

Staley Rd.

Interstate 57

Duncan Rd.

Metts Ave.

Prospect Ave.

Dunlap Ave. Route 45

First St.

Race St.

Philo Rd.

High Cross Road Route 130

## Attachment A - Proposed Last Mile Service Offerings



The UC2B Last Mile Services will be the same in all Service Areas

Name of Tier	Advertised Speeds		Average Speeds		Average Latency	Pricing Plan \$ Per Month
	Downstream Mbps	Upstream Mbps	Downstream Mbps	Upstream Mbps	@ end-user CPE milliseconds	
<b>Residential</b>						
UC2B Entry Level Speed Internet / CNS	5 / 100	5 / 100	5 / 100	5 / 100	<10 ms	\$19.99
UC2B Maximum Speed Internet / CNS	100 / 100	100 / 100	100 / 100	100 / 100	<10 ms	See Note # 3
ISP Entry Level Speed Internet / CNS	5 / 100	5 / 100	5 / 100	5 / 100	<10 ms	To be determined by ISP's
ISP Maximum Speed Internet / CNS	1000 / 1000	1000 / 1000	1000 / 1000	1000 / 1000	<10 ms	To be determined by ISP's
<b>Non-Profit Anchor Institution, School, Library, Church, Senior Center</b>						
UC2B Entry Level Speed Internet / CNS	5 / 100	5 / 100	5 / 100	5 / 100	<10 ms	\$19.99
UC2B Maximum Speed Internet / CNS	100 / 100	100 / 100	100 / 100	100 / 100	<10 ms	See Note # 3
ISP Entry Level Speed Internet / CNS	5 / 100	5 / 100	5 / 100	5 / 100	<10 ms	To be determined by ISP's
ISP Maximum Speed Internet / CNS	1000 / 1000	1000 / 1000	1000 / 1000	1000 / 1000	<10 ms	To be determined by ISP's
<b>For-Profit Business</b>						
ISP Entry Level Speed Internet / CNS	5 / 100	5 / 100	5 / 100	5 / 100	<10 ms	To be determined by ISP's
ISP Maximum Speed Internet / CNS	1000 / 1000	1000 / 1000	1000 / 1000	1000 / 1000	<10 ms	To be determined by ISP's

**Note # 1** - All subscribers will always have the full speed of their CPE's Ethernet port to the UC2B Community Network Service (CNS)

**Note # 2** - Advertised and Average Speeds are indicated by Internet bandwidth / UC2B Community Network Service (CNS) bandwidth.

**Note # 3** - Unless there are no commercial ISP's providing services, UC2B does not plan to offer services to for-profit organizations or above entry level for residential or non-profit organizations.

**Note # 4** - ISP's will determine their own pricing and service tiers for Internet bandwidth, but their subscribers will have full CPE port speed to the UC2B Community Network Service (CNS) due to local peering.



## Attachment B – Proposed Middle Mile Service Offerings



The UC2B Middle Mile Service Offerings will be the same throughout the Service Area

Service Offering	Distance Band or Point to Point	Ethernet Port Speed (Mbps)	Minimum Peak Load Network Capacity (Mbps)	Monthly Pricing	Other
UC2B Community Network Service (CNS) Connection 100 Mbps Port	Any point on the UC2B MM Network	100	10,000	\$19.99	Critical Institutions Only
UC2B Community Network Service (CNS) Connection 1 Gbps Port	Any point on the UC2B MM Network	1,000	10,000	\$39.99	Critical Institutions Only
Private VLAN Connection 10 Mbps Port	Any point on the UC2B MM Network	10	10,000	\$100	No CIR or VLAN Charge
Private VLAN Connection 100 Mbps Port	Any point on the UC2B MM Network	100	10,000	\$400	No CIR or VLAN Charge
Private VLAN Connection 1 Gbps Port	Any point on the UC2B MM Network	1,000	10,000	\$1,200	No CIR or VLAN Charge

Anchor Institutions can acquire their Internet connectivity via the Middle Mile Network. The difference in port speeds would affect only their community network connectivity, not the Internet bandwidth available to them.

Organizations can purchase Layer 2 transport (VLAN) from any location on any ring to one or more locations on any ring by paying only for the WDM-PON port charges indicated above.

All core elements of the network are non-blocking and are interconnected at 10 Gbps.

## **Question 22 – Middle Mile Service Offerings**

There will be a full compliment of services provided by UC2B - traditional Internet services, private VLAN services and dark fiber services. Each type of service meets a different need in the community and without providing all three, not all of the community's needs can be met.

For a minimum of the first five years of operations, the UC2B Consortium will deliver the UC2B Community Network Service (CNS), which will offer public Internet access to libraries, hospitals, educational institutions and public safety agencies at economical rates. The Vice Chancellor for Public Engagement of the University of Illinois at Urbana-Champaign, has agreed to provide \$60,000 a year for 5 years to be used to purchase one Gbps worth of public Internet bandwidth. His letter making this pledge is page 24 in the collection of letters attached to this application for Question 41.

UC2B CNS will provide public Internet access to the 2,500 underserved households in our Last Mile FTTH pilot project and also to the 137 Critical Institutions that we seek to connect to the UC2B Middle Mile network.

Free bandwidth does not equate to free service, but having the Vice Chancellor's commitment for five years has allowed us to be very aggressive in our pricing of the UC2B CNS. In doing so, we anticipate that the CNS adoption rate among FTTH households, libraries, hospitals, educational institutions and public safety agencies will be high, which in turn, strengthens the sustainability of this network as well as the other UC2B projects.

The UC2B backbone rings have been carefully planned to accommodate very short lateral fiber builds to the greatest number of schools, public safety and medical facilities. In creating the pricing and service plans, and fiber ring design, the objective was to maximize the participation of "Critical Institutions" on the UC2B network.

We encourage UC2B CNS subscribers to fully leverage the available bandwidth in lawful ways. Over the initial five years, we project that we have enough bandwidth to afford us time to build a sufficient subscriber base that will in turn sustain the service beyond five years.

The UC2B Middle Mile network is also about providing business services. There is no differentiation in our wholesale ISP rates between residential and business subscribers. They all utilize the same WDM-PON network architecture, and whether a business or a homeowner wants a 100 Mbps or a 1 Gbps connection to the network, the wholesale ISP rates are the same for both.

The UC2B network will also offer managed Private VLAN (layer 2) services as well. Should a medical group with multiple facilities in the community want a secure and private link between their facilities, they will be able to purchase an aggressively priced layer-2 transport VLAN. The charges will be determined by the port speed of each

location connected to the VLAN, but there will be no Committed Information Rate (CIR) charges. The entire UC2B network backbone is non-blocking, so if two medical facilities need to make a large data transfer between them and each have a 100 Mbps port, they would realized almost that full 100 Mbps bandwidth. Transmission protocol overheads keep the full speed of a port from ever being realized, but nothing on the UC2B network would slow the transfer down.

As was mentioned in the previous section, our three local library branches will use UC2B "dark fiber" to connect to the regional library system where their circulation transactions are processed. Both Urbana and Champaign will also utilize UC2B "dark fiber" to connect their various public safety and administrative facilities to each other as well.

Finally, a local service provider - Champaign Telephone Company (CTC)) has invested in UC2B by committing to purchase dark fiber that will be used to connect many of their customers to Internet and phone services provided by CTC. Once connected to UC2B fiber, many of their customers will go from T-1 connections that do not meet their needs to 100 Mbps or 1 Gbps connections that promise to meet their needs for years to come.

UC2B will make ISP, layer-2 or dark fiber services available to any organization for any lawful purpose.

**Attachment C**  
**Existing Last Mile Broadband Service Providers**



			residential		business		
Provider	Technology	Service Tier	downstream /upstream	price	downstream/ upstream	price	comments
Volo	wireless	basic	250MB/day	\$ 32.00	250	\$ 32.00	\$300 installation fee
		advanced	500MB/day	\$ 50.00	500MB/day	\$ 50.00	\$350 installation fee
Comcast	cable	Economy	1MB/384K	\$ 24.95	6MB/1MB	\$ 59.95	
		Performance	12MB/2MB	\$ 42.95			
		Blast!	16MB/2MB	\$ 52.95	16MB/2MB	\$ 89.95	
AT&T	DSL	basic	768K/384K	\$ 19.95			
		express	1.5MB/384K	\$ 25.00	1.5MB/384K	\$ 35.00	
		pro	3MB/512K	\$ 30.00	3MB/512K	\$ 40.00	
		elite	6MB/768K	\$ 35.00			


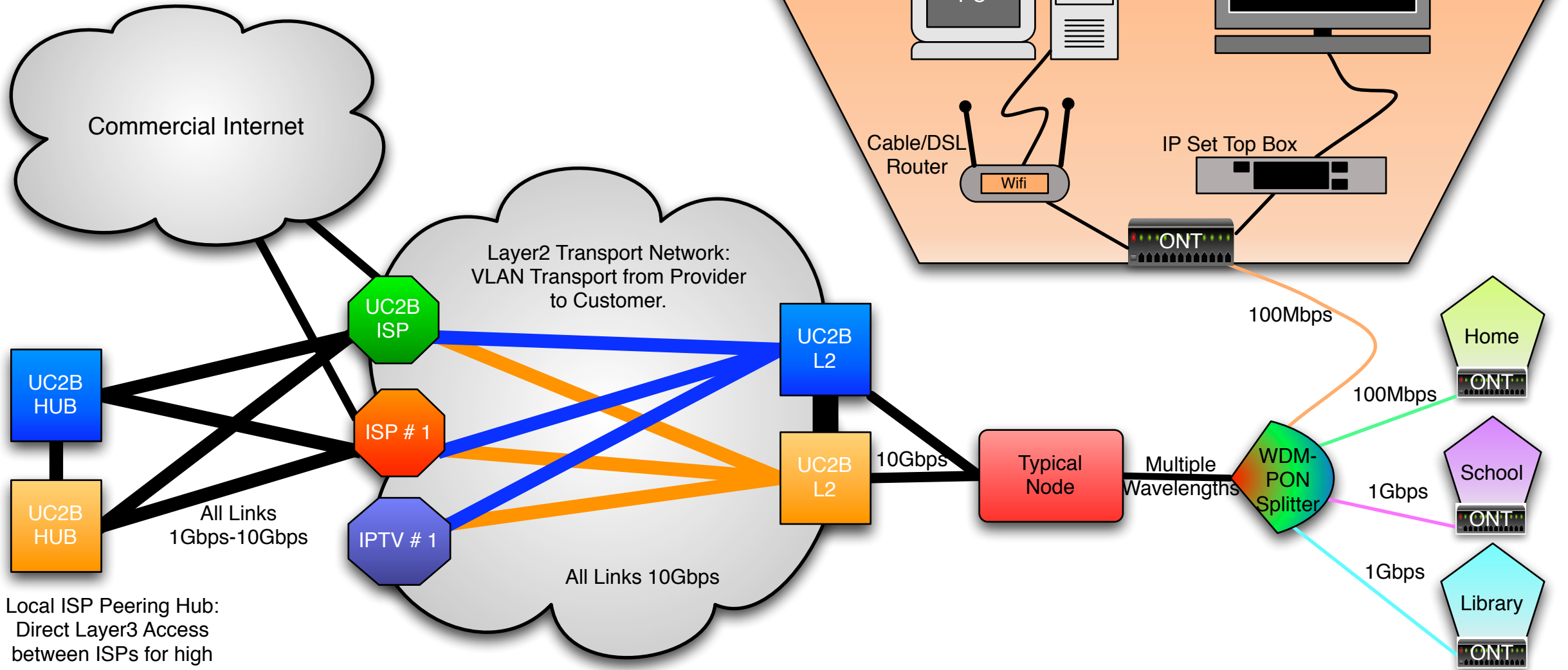
**Attachment C**  
**Existing Middle Mile Broadband Providers**



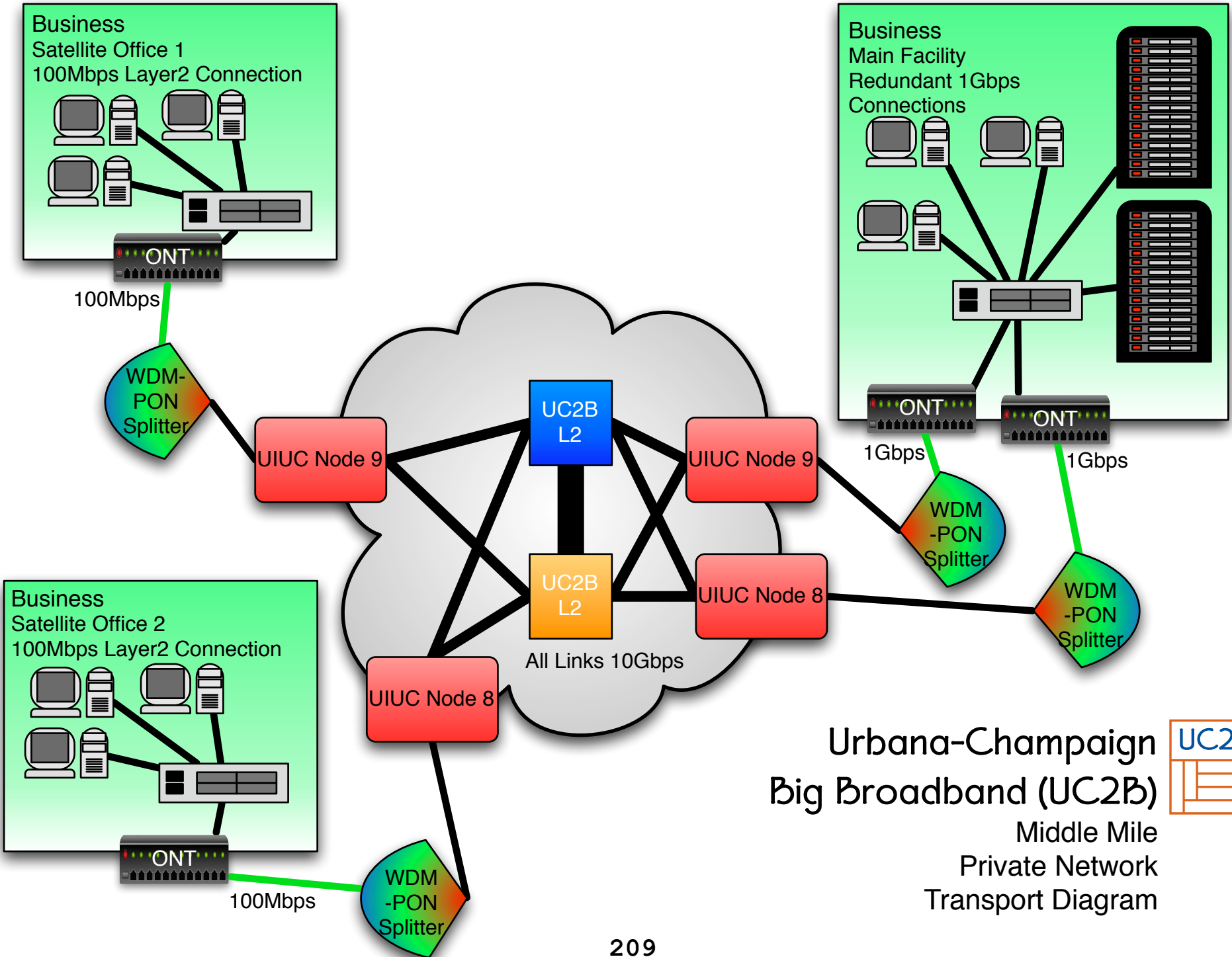
Provider	Technology	Service Tier	Point-to-Point	Minimum Peak Load Network Bandwidth Capacity	Pricing	Comments
AT&T	Ethernet	bronze	100MB	N/A	\$ 475.00	port charge
			1GB	N/A	\$ 850.00	port charge
			CIR - 100MB	100MB	\$ 700.70	
		silver	CIR - 1GB	1GB	\$ 1,004.25	
			100MB	N/A	\$ 475.00	port charge
			1GB	N/A	\$ 850.00	port charge
CIR - 100MB	100MB	\$ 818.26				
CIR - 1GB	1GB	\$ 1,189.68				
Paetec	Ethernet	1 YR	100MB	100MB	\$ 600.00	Install fees not included
			1GB	1GB	\$ 2,000.00	
		3 YR	100MB	100MB	\$ 500.00	Install fees not included
			1GB	1GB	\$ 1,800.00	
		5YR	100MB	100MB	\$ 425.00	Install fees not included
			1GB	1GB	\$ 1,530.00	

# Urbana-Champaign Big Broadband (UC2B)

Last Mile Fiber-To-The-Premise Network Diagram

Local ISP Peering Hub:  
Direct Layer3 Access  
between ISPs for high  
speed/low latency  
service to local  
businesses and  
institutions.



Urbana-Champaign  
 Big Broadband (UC2B)  
 Middle Mile  
 Private Network  
 Transport Diagram





**Network Design and Implementation Plan Certification (to be complete for projects requesting more than \$1 million in federal assistance)**

**U.S. Department of Agriculture and U.S. Department of Commerce  
BIP and BTOP Program**

We the undersigned, certify that the proposed broadband system will work as described in the System Design and Network Diagram sections, and can deliver the proposed services outlined in the Service Offerings Section. Moreover, the system, as designed, can meet the proposed build-out timeframe based on the resources designated in Project Viability Section, and will be substantially complete in two years, and complete within three years.

8.13.09

(Date)

Walter K. Knorr

(Authorized Representative's Signature)

Walter K. Knorr, Comptroller

Name:

Comptroller

Title:

August 10, 2009

(Date)

Andrew Afflerbach

(Certifying Engineer's Signature)

Andrew Afflerbach, P.E.

Name:

Director of Engineering/CEO

Title:

CTL

ATTACHMENT E - PROJECT PLAN (KEY PHASES AND MILESTONES TO DEMONSTRATE DEGREE OF COMPLETION)

- Use the following table to list the major network build-out phases and milestones that can demonstrate that your entire project will be substantially complete by the end of Year 2 and fully complete by the end of Year 3. This is to be done at the aggregate level (combining all proposed funded service areas.)
- Indicate how the milestones listed below will demonstrate these completion objectives. The applicant should consider such project areas as: a) network design; b) securing all relevant licenses and agreements; c) site preparation; d) equipment procurement; e) inside plant deployment; f) outside plant deployment; g) equipment deployment; h) network testing; i) network complete and operational. The applicant may provide any other milestones that it believes showcase progress.
- Project inception (Year 0) starts at the date when the applicant receives notice that the project has been approved for funding.
- In the table, provide any information (e.g., facts, analysis) to: a) demonstrate the reasonableness of these milestones; b) substantiate the ability to reach the milestones by the quarters indicated.
- On a separate sheet, describe the key challenges, if any, to a timely completion of the project, including any applicable mitigation plans.

Time Period	Quarter	List All Relevant Milestones	Support for Reasonableness/Data Points
Year 0	-	•	•
Year 1	Qtr. 1	•	•
	Qtr. 2	•	•
	Qtr. 3	•	•
	Qtr. 4	•	•
Year 2	Qtr. 1	•	•

ATTACHMENT E

	Qtr. 2	•	•
	Qtr. 3	•	•
	Qtr. 4	•	•
	Year 3		
Year 3	Qtr. 1	•	•
	Qtr. 2	•	•
	Qtr. 3	•	•
	Qtr. 4	•	•

## UC2B Last Mile Main Champaign

Infrastructure Funds	Year 0	Year 1				Year 2				Year 3				Year 4				Year 5				
		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
Infrastructure Funds Advanced (estimate)					\$2,736,000				\$2,064,000													
Percentage of Total Funds					8.77%				6.62%													
<b>Entities Passed &amp; %</b>																						
Households					1065				803													
Percentage of Total Households					57%				43%													
Businesses					0				20													
Percentage of Total Businesses									30%													
Strategic institutions					0				11													
Percentage of Total Institutions									100%													

Census Blocks included: 2/1, 2/2, 7/1, 7/3

Total service area Households: 1868

Total Service Area Businesses: 68

Total Service Area Strategic Institutions: 11

Total FTTH Budget: \$12,000,000

Total Funds for SA: \$4,800,000

Total MM Budget \$31,200,000

## UC2B Last Mile Main Urbana

Infrastructure Funds	Year 0	Year 1				Year 2				Year 3				Year 4				Year 5				
		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
Infrastructure Funds Advanced (estimate)					\$1,710,000				\$1,290,000													
Percentage of Total Funds					5.48%				4.13%													
<b>Entities Passed &amp; %</b>																						
Households					675				509													
Percentage of Total Households					57%				43%													
Businesses					0				23													
Percentage of Total Businesses									30%													
Strategic institutions					0				5													
Percentage of Total Institutions									100%													

Census Blocks included: 53-1, 53-2, 53-5, 54-5

Total service area Households: 1184

Total Service Area Businesses: 76

Total Service Area Strategic Institutions: 5

Total FTTH Budget: \$12,000,000

Total Funds for SA: \$3,000,000

% Total Funds: 25%

Total MM Budget \$31,200,000

**UC2B Last Mile 9.01-3**

Infrastructure Funds	Year 0	Year 1				Year 2				Year 3				Year 4				Year 5				
		Qtr 1	Qtr2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr2	Qtr 3	Qtr 4	Qtr 1	Qtr2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
Infrastructure Funds Advanced (estimate)									\$1,800,000													
Percentage of Total Funds									5.77%													
<b>Entities Passed &amp; %</b>																						
Households									700													
Percentage of Total Households									100%													
Businesses									8													
Percentage of Total Businesses									30%													
Strategic institutions									2													
Percentage of Total Institutions									100%													

Census Blocks included: 9.01-3  
 Total service area Households: 700  
 Total Service Area Businesses: 25  
 Total Service Area Strategic Institutions: 2

Total FTTH Budget: \$12,000,000  
 Total Budget for SA: \$1,800,000  
 Total MM Budget \$31,200,000

**UC2B Last Mile 12.01-2**

Infrastructure Funds	Year 0	Year 1				Year 2				Year 3				Year 4				Year 5				
		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr2	Qtr 3	Qtr 4	
Infrastructure Funds Advanced (estimate)									\$1,440,000													
Percentage of Total Funds									4.62%													
<b>Entities Passed &amp; %</b>																						
Households									530													
Percentage of Total Households									100%													
Businesses									6													
Percentage of Total Businesses									30%													
Strategic institutions									0													
Percentage of Total Institutions									100%													

Census Blocks included: 12.01-2  
 Total service area Households: 530  
 Total Service Area Businesses: 19  
 Total Service Area Strategic Institutions: 0

Total FTTH Budget: \$12,000,000  
 Total Budget for SA: \$1,440,000  
 Total MM Budget \$31,200,000



## UC2B Last Mile 55-6

Infrastructure Funds	Year 0	Year 1				Year 2				Year 3				Year 4				Year 5				
		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
Infrastructure Funds Advanced (estimate)									\$960,000													
Percentage of Total Funds									3.08%													
<b>Entities Passed &amp; %</b>																						
Households									368													
Percentage of Total Households									100%													
Businesses									9													
Percentage of Total Businesses									30%													
Strategic institutions									4													
Percentage of Total Institutions									100%													

Census Blocks included: 55-6

Total service area Households: 368

Total Service Area Businesses: 30

Total Service Area Strategic Institutions: 4

Total FTTH Budget: \$12,000,000

Budget for SA: \$960,000

Total MM Budget \$31,200,000



### **Potential Challenges**

The primary challenge for the UC2B Middle Mile project is the impact weather will have on the construction schedule. Year 1 will be a relatively short construction season as contracts will not be awarded until late Q1 or early Q2.

### **Year 1 Challenges**

If there is a wet spring in 2010, Year 1 construction may be delayed. Approximately 37% of the last mile construction is scheduled to be completed in Year 1.

### **Year 2 Challenges**

A hard winter with a late thaw in 2011 would again delay the start of Year 2 construction. Approximately 63% of the last mile construction is scheduled for Year 2.

### **Summary**

While weather is an unknown risk that we accept, we have planned to complete all construction within two years. We have additional time to complete work covered by this grant in the event that weather precipitates lengthy construction delays.

The logo for UC2B is contained within a blue rectangular border. It features the text "UC2B" in a blue, rounded, sans-serif font at the top. Below the text is a stylized orange graphic consisting of a large rectangle with a smaller rectangle inside it, which is further divided into several horizontal and vertical segments, resembling a ladder or a structural frame.

UC2B

Urbana-Champaign  
Big Broadband -  
Below Ground  
Team Resumes

## Team Summary

The UC2B Technical Team has subject matter experts whose skills range from a working knowledge of large construction projects to a thorough understanding of provisioning a service on a Layer 2 device port.

The UC2B Technical Team has a wealth of demonstrated experience with fiber optical network projects. The depth of expertise is reflected by the expansive network projects, including the Inter-Campus Communications Network (ICCN), which is the fiber network connecting the three University of Illinois campuses. Critical organizational skills complement the technical mastery required to maintain a large University campus network.

The University's excellence at networking was recognized in December of 2008, when PC Magazine and the Princeton review named the Urbana-Champaign campus the #1 most wired University in the Country.



## Michael K. Smeltzer

Mike is the Director of Networking on the University of Illinois at Urbana-Champaign campus. He is the architect of the Urbana-Champaign Big Broadband (UC2B) concept and is one of the co-authors of the trio of UC2B BTOP proposals. He directs the University's team of networking specialists that have designed and will build and operate the UC2B Middle Mile and WDM-PON Last Mile networks.

Prior to rejoining the University in 2005, Mike was a local Operations Manager for McLeodUSA, a competitive local exchange carrier. In that role, he designed and oversaw the installation and operation of an \$8 million fiber-to-the-multiple-dwelling-unit (FTT-MDU) project for McLeodUSA that at one time served upwards of 12,000 students in private off-campus housing with fiber-based voice and Internet services.

In his current role at the University, he oversees a staff of 25 networking specialists who maintain and continually upgrade wired and wireless networks in more than 300 buildings providing more than 70,000 wired Ethernet ports and more than 2,500 wireless access points. He was instrumental the University's expansion of wireless services both to end-users and as a way of economically providing bandwidth to small campus buildings that are far from the campus fiber infrastructure.

His staff also operates a 40-channel capable 10-gigabit DWDM fiber network that connects the University's three campuses to each other, to Internet 2 and to other peering partners in Chicago.

While his staff did all the work, he takes pride in PC Magazine's December 2008 ranking of the Urbana-Champaign campus as the #1 most wired campus in America.

In the early days of the Internet, Mike founded and grew a local ISP that was eventually sold and became part of Earthlink. He has previously served twice on the University's faculty.

For the UC2B Consortium, Mike will lead the networking team and be a member of the technical management team.



## Frederick J. Halenar

Fred holds Associate and Bachelor degrees in Information Sciences. He has also completed some course work related to a Master's degree in Information Sciences.

Fred has over 37 years experience involving project and executive management of information technologies in the public sector. Experiences include overseeing multi-million dollar software solutions and building needed network infrastructure to delivery services to the end-users. One larger project included managing a million dollar building remodeling project of the City Hall that required the relocation of the data center. This project was challenged by the need to coordination multiple contractors and services.

Fred is responsible for planning, implementing, and maintaining technology, including telecommunications, audio/visual, data technologies and applications; establishing and monitoring adherence to system procedures and standards; and overseeing the operation, maintenance, back up, and disaster recovery of technologies City-wide. Responsible for policy related to telecommunications, data, web, and CGTV (channel 5). Responsibilities also include project management, emergency planning, contracting services, end-user support services, and supervising staff.

Fred has experience with infrastructure work, which includes the development of fiber optic networking specifications. Technical specifications included incorporating the Illinois Department of Transportation (IDOT) and City Code for roadway and right-of-way requirements. This work included both the inside and outside electronic component requirements. Experience also includes the creation of legal documents and contracts to implement fiber optic infrastructure-based projects.

Fred's professional experiences include working in cooperation with other government and private agencies. The most recent experience was the formation of a Geographic Information Systems (GIS) Consortium that has now been in operation for the last 8 years. Work included the creation of an intergovernmental agreement and chairing both the technical and policy committees of the Consortium.

Fred possesses a unique portfolio of knowledge, skills and experience that will provide valuable guidance to the UC2B technical team.

## William H. DeJarnette

Bill is the IS Manager for the City of Urbana. A graduate of the University of Illinois he obtained his Bachelors in Accountancy in 1976 and is a registered Certified Public Accountant. He oversees the software development for the City financial packages and the joint Police Records System for Urbana, Champaign and the University of Illinois.

Over the last five years Bill has worked with a number of governmental units including Champaign County, Urbana School District, Urbana Free Library, Cunningham Township and ILEAS to bring fiber connectivity to these entities. Bill architected the design, bid the projects and provided daily point contact.

Bill has worked in IT for over 30 years and public sector for 22 years. Current routine responsibilities encompass everything from managing a TV station to providing for the ongoing IT needs of a typical city. This includes the evaluation and monitoring of security procedures, provision of support services, establishment and implementation of long term operational goals, Web design and maintenance, and document management.

Bill has worked with CUWiN to provide expanded wireless in downtown Urbana and in 2008 received a small state grant to push wireless out into the community.

Bill recently made a presentation to the Illinois Century Network Policy Board on methodologies to provide fiber at reduced costs to communities and discussed how smaller communities can leverage those techniques to take advantage of ICN's offerings. He works with a number of organizations and was involved in the creation of the Champaign County Geographic Information Systems Consortium. He has chaired the technical committee and sits on the policy committee.

Bill's background in Finance, software development including billing systems, and fiber installation projects will provide him with the experience necessary to be a member of the technical management team.





## Tracy L. Smith

Tracy holds a Master's degree in Computer Science and has over 10 years of experience in networking and IT service support. In 1999, Tracy was a Technology Consultant for the Illinois State Board of Education where she supported over 700 end-users and maintained over 200 servers. She developed and maintained a Virtual Private Network (VPN) solution for renewal of teacher certifications from Regional Offices of Education locations across the state.

In 2001, Tracy joined the Illinois Century Network (ICN), which is an ISP serving K-12 schools and non-profit entities in Illinois. She provided tier 3 WAN support for southern Illinois regions and Chicago. She co-designed a statewide VPN solution that met rigorous requirements of state agencies, like Illinois State Police, Department of Family Services, and Illinois Department of Transportation.

Her role expanded to technical lead for many projects including the centralization of state agency data centers. She designed the data center network, specified network equipment to purchase and built the configurations to support hundreds of servers in an efficient, redundant, secure, and highly available environment.

In 2007, Tracy joined the University of Illinois as the Operations Manager for the Inter-Campus Communications Network (ICCN), a University-owned fiber network connecting its three campuses. Under her guidance, ICCN engineers design, implement and support valuable resources like Internet access and 10Gbps access to major research networks, like Internet2, MREN, ESnet, and others. They also ensure that the ICCN maintains 100% backbone up-time.

In 2008, Tracy expanded her role to Network Services Manager. Her group oversees campus-wide services like Domain Name Service (DNS), IP-based security cameras, and digital signage,

Tracy continues to represent the University on task forces, like Illinois Rural Health Network, Illinois Broadband Council, FTTH Council, Committee for Institutional Cooperation (CIC) Network and IT councils, and ICN's Advanced Engineering Task force.

In addition to working closely with the co-authors of the trio of UC2B BTOP proposals, she oversees the daily operations of the engineering staff who have designed and will construct the UC2B network. Her broad technical experience coupled with her management skills and desire to develop broadband in areas where it's lacking, will equip her to serve on the UC2B technical team.



## Aaron Brown

In addition to completing a degree in Telecommunications Technology, with certification in Outside Plant, Aaron has over 14 years of experience working in Telecommunications at the University of Illinois. During his employment at the University he has worked on a variety of projects and has helped build the Illinois network from a few thousand connections to nearly 75,000 access layer ports and more than 2500 wireless access points. These and other accomplishments are highlighted in the follow paragraphs.

His experience with UIUCnet, the Illinois campus data network, began in 1994 as an intern installing, terminating and certifying copper and fiber optic infrastructure in various campus buildings. From there he returned after graduation and in Dec. of 1995 moved to the support group responsible for the support of UIUCnet, including provisioning, testing and troubleshooting. He continues in this role today with expanded responsibilities that began in May of 2001 with management of the support group, and in Feb. 2008 with the management of the combined Network Design and Support Group. The combined group numbers 14 FTE's and 1 PTE and is responsible for the design, support, research and testing of the nearly 75,000 access ports on the UIUCnet building networks, over 2500 wireless access points, support of the campus backbone hardware and the facilities that house this equipment, including UPS, A/C, generators, etc.

Beginning in 1998 and continuing until presently, Aaron has provided technical management/administration of URHnet (University Residence Hall Network). This network is a partnership with campus Housing and provides Ethernet connectivity to over 5600 rooms and 10,000+ systems in our campus residence halls. Aaron is currently working with the design team and Housing to expand wireless coverage in the residence halls as an enhancement to their networking experience.

In early 2006 Aaron was asked to serve on the technical support team for a new project to connect the three University of Illinois campuses via an optical ring and continues in this role today. This network known as the ICCN (Inter Campus Communications Network) is a DWDM based optical network consisting of over 565 miles of fiber, touching 17 points with add/drop facilities in 9 of those 17. The network provides multiple 10Gbps Ethernet connections to each campus as well as 10Gbps peering connections with major research entities and other Big Ten Universities. As part of the support team for this network Aaron has attended multiple fiber classes focusing on WDM technology, became proficient in a variety of optical test equipment specific to WDM, 10Gbps performance testing/verification and management of network that experience no unscheduled down time in over two years of operation.

For the UC2B Consortium, Aaron will serve on the Implementation and Operations teams.

# Christopher Skaar

Chris Skaar has been in the IT industry for 11 years beginning his career as a desktop support technician for Gateway 2000 Inc., which provided a foundation of customer service and troubleshooting skills. In 1999, he moved to a consulting company which, through a series of mergers, became a part of McLeodUSA. Through this company, he continued to provide a high level of 24/7 on-site technical support for companies in the Midwest. He provided hardware and software support for servers running the Microsoft and Novell operating systems as well as LAN/WAN networking equipment support.

In 2001, Chris began working for CITES on the Champaign-Urbana campus of the University of Illinois. His work in the CITES Operations Center and Network Design Office gave him valuable technical and project management skills as well as insight into the running of a large research network

In 2004 Chris was asked to take on the role of Service Manager for two services provided by CITES: Iris and Lens. Iris is a tool used to manage network equipment and Lens is a collection of harvesters that gather network statistics and store them in a database, from which IT Professionals on campus can glean valuable information about their networks. As service manager, he was tasked with gathering requirements and guiding the design of these tools to fit the needs of the myriad of different departments on campus. He continues in this role.

In 2004 Chris earned a position with the CITES Network Support Group. The main focus of this group is hands-on troubleshooting and support of the University of IL campus building and core networking equipment. This includes nearly 75,000 access ports, 2500 wireless access points, the campus backbone hardware and the facilities that support this equipment. Soon after joining the Network Support group, he was tasked with upgrading the power infrastructure in the core node facilities. He researched, designed and oversaw the installation of new distribution panels, power circuits, power distribution units, and UPSs for 6 core network nodes.

In 2006 Chris was asked to serve as lead optical engineer for the ICCN (Inter Campus Communications Network) network. This position is responsible for ensuring day-to-day operation and 24/7 technical support of a 565 mile WDM (Wavelength-Division Multiplexing) ring connecting the 3 University of IL campuses in Urbana-Champaign, Chicago and Springfield. This network has 17 sites around the state with 9 of these sites being add/drop points. The network provides multiple 10Gb Ethernet connections connecting the 3 campuses and several research networks running over multiple WDM wavelengths. To facilitate this role, he has attended multiple classes focused on operation and maintenance of WDM technology and is proficient with a variety of optical test equipment as well as analyzers measuring performance across a 10Gbps network. He continues to fill this role and to this date, there has been no unscheduled downtime on this network.

In 2008, Chris became the Team Lead for the CITES network support group tasked with day-to-day management of the 7-member team. He also acts as the Tech lead for the group, tasked with providing technical leadership for the networking division of CITES. He continues in this role to this date.

For the UC2B Consortium Chris will serve on the Implementation and Operations teams.



## Nick Buraglio

Nick Buraglio has been in the Networking and Security industry for 12 years, working with high visibility and zero-downtime networks ranging from fortune 500 companies to regional broadband Internet service providers as well as large, cutting edge research networks operating across the country serving scientists and researchers internationally.

Having worked rebuilding an aging Internet provider from the ground up, coordinating or performing everything from construction phase to protocol implementation and security policy lends a very unique skill set that is well suited for service provisioning, design and implementation. During this tenure (2000-2002), the internet provider in question relocated to a new facility, tripled in capacity and customer base and expanded into two new markets.

Participating in working groups designing and maintaining prominent networks such as the TeraGrid (2002-2008), I-Wire (2002-2008) projects and SCinet (2003, 2005, 2006) as well as the campus networks for National Center for Supercomputing Applications (2002-2008) and University of Illinois (2008-Current) as well as the InterCampus Communication Network also provides a very uncommon perspective and expertise, also well suited for broad scoped, high visibility projects.

Buraglio has also worked with such agencies as the Federal Bureau of Investigation on security related matters, training of Regional Cyber Action Team (RCAT) members on network based security threats and has been held a clearance at the DoJ Top Secret level.

Buraglio is also an active contributor to open source projects such as pfSense, a UNIX based firewall appliance.

Operating from these strengths, Buraglio will provide a distinct skill set to the design, operation and security of the UC2B project. Building on past experience and current research into market and technology, Buraglio will contribute to the architecture and implementation of the UC2B network, and its associated services and security.



## Ryan Harden

Ryan received a Bachelors of Science in ‘Network and Communications Management’ from Devry University in 2004. Through his college career Ryan held the position of ‘IT Support’ at Flexlink Systems in Lisle, IL. His duties included day-to-day IT support as well as LAN/WAN support. During his tenure, Ryan designed, orchestrated, and implemented the move of all IT resources from one Chicago area suburb to the existing new building.

In 2004, Ryan joined the University of Illinois as a Network Designer. In 2005, he stepped into the Network Engineering group, where he assists in the design and support of UIUCnet, the campus backbone network. UIUCnet serves more than 350 campus buildings including roughly 2000 network switches and routers.

Since joining Network Engineering, Ryan has been involved in the designing and implementing of two revisions of the campus backbone as well as many special purpose networks. He also designed the campus wide anycast DNS deployment. Ryan is the project lead for IPv6 deployment on campus. IPv6 is supported on all backbone devices and plans are underway to connect all buildings with IPv6 as soon as devices are upgraded to support it. Ryan also has taken the lead on all WAN related support and design. Ryan supports the campus BGP routers and works to negotiate Peering arrangements as well as any issues that might arise with external connectivity. This includes connectivity to the University’s ICCN network.

Ryan also serves as the Lead Network Engineer for the University of Illinois owned Inter-Campus Communications Network (ICCN). The ICCN consists of over 565 miles of fiber creating a ring between the three University of Illinois campuses in Urbana, Chicago, and Springfield. DWDM technology is used to provide several 10Gbps connections between each of the campuses. Ryan designed and supports the Layer3 hardware that provides MPLS, BGP, and transport services between all three campuses. The ICCN visits major peering hubs and provides redundant 10Gbps connections to the national research and education networks Internet2, NLR, MREN, and ESnet to all University of Illinois entities. The ICCN serves as the primary ISP access for the Urbana and Springfield campuses and backup for the Chicago campus.

Ryan’s experience in these roles will be a valuable asset to UC2B. His skills will ensure that UC2B has a solid foundation on which to provide high speed and reliable service to all customers.



## Josh Reeley

Josh Reeley has been working with computer networks since he was a junior in High School when he first started in the Cisco Networking Academy. The Academy was offered through his High School in cooperation with Parkland Community College. That summer he was hired on at the University of Illinois in Urbana-Champaign for an internship with the Network Design Office. During that internship he documented much of the campus network infrastructure both physically and logically, a job that entailed visiting nearly 150 buildings.

Josh went on to college at Eastern Illinois University where he graduated in 2005 majoring in Computer Information Systems. He received a Bachelor of Science in Business with focuses in Client/Server Programming and Telecommunications. Since graduation he has worked for the University of Illinois in the Network Design Group.

Josh's primary job in the Network Design group is to be a consultant and project manager of full building network upgrades/replacements. A network replacement can take six months to a year to plan and execute. A large part of the process is project management and coordinating with different trades like drafting engineers, electricians, cable pullers and even network device vendors. During his time at the University of Illinois he has designed and built over 20 building networks with an average host count about 400 per building. Since 2008 Josh has been the Technical Lead for his group, which has him evaluating new networking products and technologies as well as offering technical advice to his group when needed.



## Randy Hall

Randy acquired an Associate's Degree in Electronic Engineering at Parkland College in August 1982.

In 1984, Randy became a Telecommunications Project Manager for the University of Illinois. He solicited bids to replace the Illinois Bell Telephone service to a University owned system. Illinois Bell Telephone was awarded the contract and construction started in 1986. The network consisted of 103 manholes and a concrete encased conduit plant. New telephone service to over 300 buildings and multi-mode fiber optic cables were placed.

In 1995, Randy was promoted to Assistant Plant Engineering Manager. He assisted the plant engineering manager with the design and construction of new telecommunications facilities to new University buildings and the remodeling of existing buildings.

In 2001, Randy became the Plant Engineering Manager. As plant manager, Randy continues to design, create specifications, award contracts, oversee the construction and create as-built records for all telecommunication projects. Randy led the recent effort to install a single mode fiber optic network to all major campus buildings. Randy also manages an annual budget for outside plant infrastructure improvements that exceeds \$900,000.

Randy's technical, organizational and management skills will prove a valuable asset to the UC2B Physical Plant team.



## Brian Cockerham

Brian launched his career at the University of Illinois in 1992 when he served as a Telecommunication Network Specialist. He surveyed and coordinated voice, local area networks (LAN) and fiber optic projects. In 1994, Brian expanded his role to include coordinating multiple projects and supervising staff responsible for support of the campus telecommunications and data distribution systems.

In 1996, Brian shifted his focus to engineering thereby coordinating the engineering of the campus telecommunications and data distribution systems. Brian designed new construction and preventative maintenance planning. He maintained current plant drawings and automated computer aided drafting (CAD) records, and prepared planning documents for future projects and capacity.

In 2000, Brian was promoted to Assistant Telecommunications Manager. He continues managing the engineering and overall construction of the campus telecommunications distribution systems, has. Brian also assists in the management of the CITES Plant Design Staff.

Brian's wide range of skills and experiences equips him to serve as a vital technical resource on the UC2B Physical Plant team.





## Robert C. Miles, Jr.

Bob Miles has over thirty (30) years experience in outside plant construction in the communications field. He has managed multiple projects with responsibilities including design, permitting, budget allocation, hiring, personnel supervision and final project reconciliation.

In 1992 he managed a rebuild of approximately 350 miles of aerial plant for CATV in Decatur, IL. This task was completed within the targeted time frame of two (2) years and within budget. Bob's responsibilities during this project included design approval; supervision of construction, splicing, activation and testing crews; tracking and approval of daily billing; handling any public or governmental questions or problems to a satisfactory conclusion; and liaison with local power and telephone entities.

While employed by McLeodUSA, Bob managed the new build of fiber optics in the following locations:

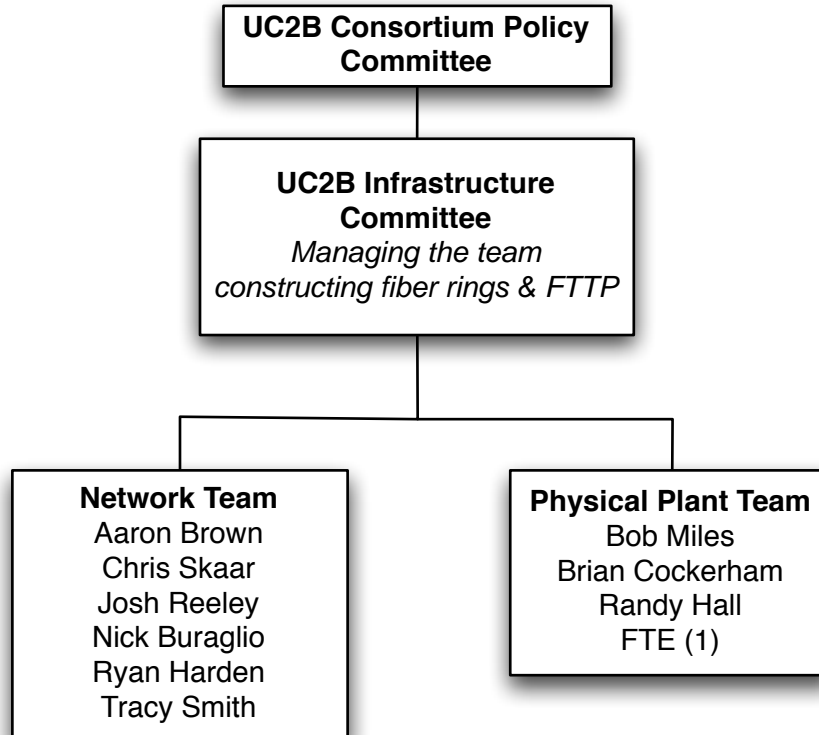
1. Decatur, IL – Built fiber from McLeodUSA to Ameritech's central offices and AT&T. The build included five (5) city rings and completion of McLeodUSA's network backbone.
  2. Bloomington, IL – Built a six (6) mile city ring to three (3) GTE and one (1) AT&T central office. Built a lateral into Illinois State University for ICN.
  3. Springfield, IL – Built fifteen (15) miles of fiber and copper rings for home and business subscribers. Built ring and lateral into Ameritech Cellular.
  4. Champaign, IL – Built ten (10) miles of fiber and copper rings to serve ONU's located on customer premises.
  5. St. Louis, MO – Built five (5) miles of fiber rings in downtown St. Louis to serve the Verizon Cellular switch site.
  6. Peoria, IL – Built a fiber ring into Verizon Cellular. Built a fiber ring to serve US Cellular MTSO.
  7. Macomb, IL – Built a lateral into Western Illinois University for ICN.
  8. Quincy, IL – Built a lateral into the community college for ICN.
- Multiple locations in Illinois – Built laterals to TCI Cable and MediaCom.

On the above projects Bob was responsible for the hiring and management of contractors, the building of laterals into phone company locations, coordination with municipalities and local utilities, monitoring work performed and checking billing for accuracy.

While at McLeodUSA Bob also was responsible for all fiber maintenance over \$10,000, including relocations and upgrades, and small customer building entrances in Illinois and Missouri.



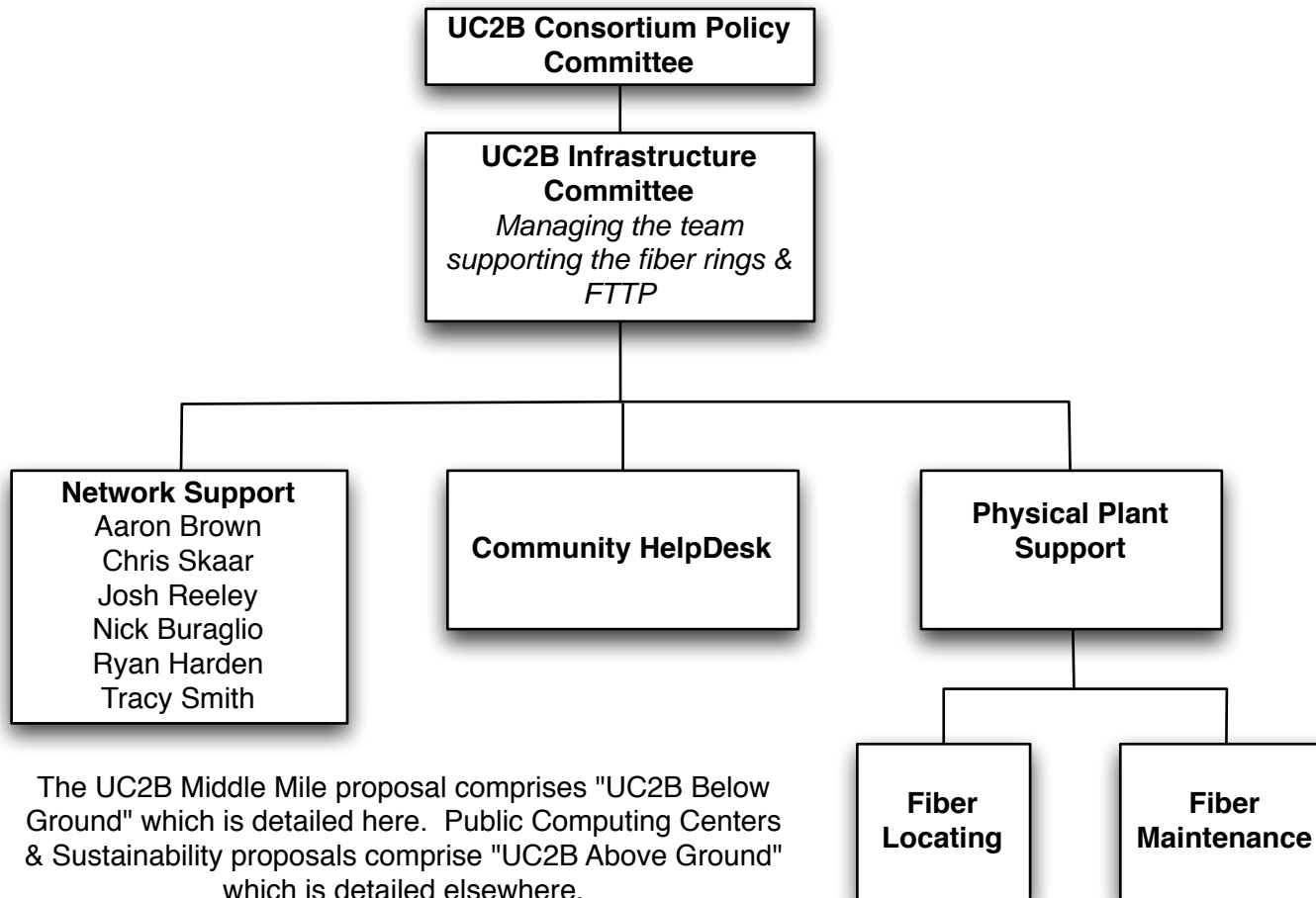
## UC2B Grant Implementation & Construction Team Organization Chart



The UC2B Middle Mile proposal comprises "UC2B Below Ground" which is detailed here. Public Computing Centers & Sustainability proposals comprise "UC2B Above Ground" which is detailed elsewhere.



## UC2B Backbone & ISP Operations Team Organization Chart



UNIVERSITY OF ILLINOIS

Urbana-Champaign • Chicago • Springfield

Office of University Counsel  
258 Henry Administration Building  
506 South Wright Street  
Urbana, IL 61801

August 14, 2009

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

**Re: Urbana-Champaign Big Broadband Consortium NTIA BTOP Proposals/Legal Opinion**

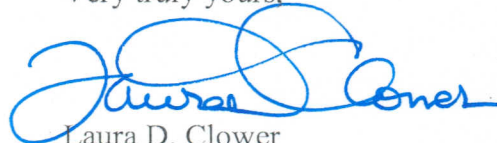
Dear Sir:

The Office of University Counsel acts as legal counsel for the Board of Trustees of the University of Illinois (the "Applicant.") In such capacity, I, as an Associate University Counsel, acted as counsel to the Applicant in connection with its ability to apply to the Broadband Technology Opportunities Program and in the review of the grant agreement, as referenced in the Notice of funds Availability.

The Office of University Counsel is of the opinion that:

- (a) The Applicant is duly organized and existing institution of higher learning constituted under the laws of the State of Illinois.
- (b) The Applicant has legal authority and power: (1) to execute and deliver the grant agreement; and (2) to perform all acts required to be done by it under said agreement.
- (c) No legal proceedings have been instituted or are pending against the Applicant, the outcome of which would adversely affect the Applicant's ability to perform the duties under the grant agreement, and there are no judgments against the Applicant which would adversely affect the Applicant's ability to perform the duties under the grant agreement.

Very truly yours,



Laura D. Clower  
Associate University Counsel

Urbana • (217) 333-0560 • Fax (217) 244-2370  
Chicago • 1737 West Polk, Suite 405, Chicago, IL 60612 • (312) 996-7762 • Fax (312) 996-6455  
Springfield • 578 PAC • One University Plaza • Springfield, IL 62703 • (217) 206-7796 • Fax (217) 206-6511

The logo consists of the text 'UC2B' in a blue, sans-serif font, centered within a white square. This square is enclosed by an orange border. Below the square is a stylized orange graphic of a building or structure with three horizontal levels and two vertical supports.

UC2B

Urbana-Champaign  
Big Broadband -  
Above & Below Ground  
Letters of Support

<b>Letter ID</b>	<b>Sector</b>	<b>Organization/Individual</b>	<b>PCC Site</b>	<b>Page</b>
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Financial Support

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Could not be implemented “but for” federal assistance

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Illinois Department of Commerce and Economic Opportunity

Pat Quinn  
Governor

Warren Ribley  
Director

August 11, 2009

Mr. Michael Smeltzer, Director of Networking  
Board of Trustees, University of Illinois  
1304 W. Springfield Ave., DCL Room 2129 MC-256  
Urbana, IL 61801

Dear Mr. Smeltzer:

The State of Illinois recognizes the need to bring world class broadband to every community. As part of this effort, the Illinois Broadband Deployment Program provides grants and loans to expand and strengthen broadband network infrastructure, health information technology, distance learning, and public safety. The Illinois Department of Commerce and Economic Opportunity (DCEO) is pleased to commit \$3,500,000 for Urbana-Champaign Big Broadband Project based on the following conditions.

- State funding is contingent upon your federal application being approved and the execution of a grant agreement with DCEO. Please note that this commitment letter does not constitute an enforceable agreement and does not confer any property, equitable or legal rights.
- State funding commitments are valid for projects that are awarded federal funding under the July 1, 2009 [Notice of Funding Availability for the Broadband Initiatives Program and Broadband Technology Opportunities Program](#) (application due August 14, 2009).
- State financial commitments will be made based on the information provided in the state application. Any significant change to the project scope of work and budget must be agreed upon by DCEO for the state funding commitment to remain valid.
- Upon the approval of the federal broadband proposal, please contact DCEO regarding a state grant agreement that will include the project scope of work and budget. Please also note that issuance of state matching funds is contingent on the cash available in the Build Illinois Bond Fund and valid state appropriations.

Internet Address <http://www.commerce.state.il.us>

620 East Adams Street  
Springfield, Illinois 62701-1615

217/782-7500  
TDD: 800/785-6055

James R. Thompson Center  
100 West Randolph Street, Suite 3-400  
Chicago, Illinois 60601-3219

312/814-7179  
TDD: 800/785-6055

2309 West Main, Suite 118  
Marion, Illinois 62959-1180

618/997-4394  
TDD: 800/785-6055

Printed on Recycled and Recyclable Paper

Page 2  
August 11, 2009

As Illinois' lead economic development agency, DCEO recognizes the potential of this program to support economic growth for the citizens of Illinois and the state's economy. I look forward to seeing your project move forward in Illinois and wish you the best as this project proceeds through the federal application process. Please do not hesitate to contact my office if you have any questions or concerns.

Sincerely,

A handwritten signature in cursive script that reads "Warren Ribley". The signature is written in black ink and is positioned above the typed name and title.

Warren Ribley  
Director

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Campus Information Technologies  
and Educational Services (CITES)  
1102 Digital Computer Laboratory, MC-256  
1304 West Springfield Avenue  
Urbana, IL 61801



August 11, 2009

Department of Commerce  
National Telecommunications and Information Administration  
Broadband Technology Opportunities Program

Dear BTOP Program Officer:

I write as Chief Information Officer for the University of Illinois at Urbana-Champaign to commit the resources of my organization to the UC2B proposal submitted in response to the July 2009 Notice of Funding Availability. With this letter, I affirm that Campus Information Technologies and Educational Services (CITES) will contribute \$930,971 to the total cost of the project.

CITES is responsible, among other things, for providing state-of-the-art network capability to the campus. By way of meeting this responsibility we have become heavily invested in regional optical networks, and that has allowed us to play an increasingly active role in providing network access to the community. We are strongly committed to advanced networking as an enabler of research, education, and economic growth. Our proposal to BTOP, if funded, will allow us to partner with the adjacent municipalities to introduce leading-edge technologies to the entire community and to provide unparalleled service to currently underserved districts.

We are excited by this opportunity for many reasons. Working as a local consortium, and supported by federal funds, we can accomplish something for the community that would not be possible under any other circumstances. We have what we believe to be an innovative concept for public partnership in management of telecommunications infrastructure, and we have exceptionally strong social science expertise engaged in designing methods to speed household adoption of broadband technology.

Thank you for offering this opportunity and for considering our proposal.

Sincerely,

Sally Jackson  
Chief Information Officer and Associate Provost

telephone 217-333-1637 • fax 217-244-7089  
url <http://www.cites.uiuc.edu>

COPY

Passed: August 3, 2009

RESOLUTION NO. 2009-07-026R

**A RESOLUTION SUPPORTING  
THE SUBMITTAL OF GRANT REQUESTS IN PARTNERSHIP  
WITH THE CITY OF CHAMPAIGN AND THE UNIVERSITY OF ILLINOIS  
FOR THE URBANA-CHAMPAIGN BIG BROADBAND (UC2B) PROJECT**

WHEREAS, the City of Urbana is committed to the expansion of broadband capabilities to the community and has demonstrated this commitment through its support of the projects and programs of the C-U Cable and Telecommunications Commission; and

WHEREAS, the United States government is promoting the expansion of broadband capabilities to certain areas through a local grants program under the American Recovery and Reinvestment Act; and

WHEREAS, the State of Illinois is offering financial support to cover a portion of the American Recovery and Reinvestment Act funded broadband project matching costs; and

WHEREAS, the Urbana-Champaign Big Broadband (UC2B) Project has been formed in a collaborative effort of the City of Urbana, City of Champaign, and the University of Illinois at Urbana-Champaign to prepare a grant application to pursue development of broadband capabilities, including the construction of infrastructure for the larger community, the installation "fiber to the home" capabilities for underserved areas, and associated public education and training efforts; and

WHEREAS, successful participation in this grant program would benefit the City of Urbana and its residents and the larger community by providing for improved Internet access and capabilities and resulting in improvements in the lives of residents and in the overall economic development potential of the area; and

WHEREAS, participation in the Urbana-Champaign Big Broadband project is consistent with the goals and policies of the City of Urbana; and

WHEREAS, the Urbana City Council desires to express its support for the grant application to be submitted by the Urbana Champaign Big Broadband Project.

NOW, THEREFORE BE IT RESOLVED, that we, the members of the City Council of the City of Urbana, do hereby endorse the "Urbana Champaign Big Broadband Project" and will work to ensure compliance with the grant requirements, including the City's equitable share of the local match required by the granting agencies in the form of both financial commitment and in-kind services in an amount up to but not to exceed \$567,000.

BE IT FURTHER RESOLVED that a copy of this resolution, duly adopted, shall be sent to the granting agencies as evidence of City of Urbana support of the grant applications.

PASSED by the City Council this 3rd day of August,  
2009 .

*Phyllis B. Clark*  
Phyllis B. Clark, City Clerk  
by *Debra J. Roberts*  
Debra J. Roberts, Deputy Clerk

APPROVED by the Mayor this 4th day of August,  
2009 .

*Laurel Lunt Prussing*  
Laurel Lunt Prussing, Mayor

# COPY

Passed: August 3, 2009

RESOLUTION NO. 2009-08-027R

**A RESOLUTION AUTHORIZING THE MAYOR TO SIGN AN INTERGOVERNMENTAL AGREEMENT WITH THE UNIVERSITY OF ILLINOIS AND THE CITY OF CHAMPAIGN REGARDING THE BIG BROADBAND CONSORTIUM (UC2B)**

WHEREAS, the City of Urbana (hereinafter "the City", an Illinois municipal corporation, has a population of 25,000 and is a home rule unit pursuant to Article VII, §6 of the Constitution of the State of Illinois of 1970 and 65 ILCS 5/1-1-9; and

WHEREAS, Article VII, §10 of the Constitution of the State of Illinois of 1970 and the Illinois Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq., allows the City to enter into agreements, with other governmental entities, which provide for mutual cooperation; and

WHEREAS, the City, the Board of Trustees of the University of Illinois, and the City of Champaign, an Illinois municipal corporation, all are committed to the principles of intergovernmental cooperation; and

WHEREAS, , the parties' intention is to seek grants under the American Recovery and Reinvestment Act ("ARRA") for the development and construction of a broadband project to serve "underserved" areas within the Urbana-Champaign community as generally described in the "Urbana-Champaign Big Broadband Proposal" dated July 21, 2009 ("UC2B Proposal"), and consistent with the Broadband Technology Opportunities Program Project Categories as set forth in the "Notice of Funds Availability - Fact Sheet - July, 2009" and the Notice of Funds Availability issued by the Department of Commerce for the for the Broadband Technology Opportunities Program; and

WHEREAS, in order to develop and operate a coordinated broadband system, it is necessary to establish a system consortium; and

WHEREAS, the mission of such a consortium is to:

1. Build multiple backbone rings identified in the Proposal;
2. Build a Fiber to the Premise (FTTP) infrastructure in the thirty-five (35) "underserved" census block groups identified in the Proposal;
3. Provide fiber and develop options for providing e Internet services to the FTTP customers;
4. Build the lateral fiber connections to schools, fire stations, senior living facilities, community technology centers and other private fiber locations;
5. Activate fiber services to the UC2B partners and investors;
6. Complete the construction of the physical elements of the project by November of 2012;
7. Operate the system developed pursuant to intergovernmental agreement for the benefit of the community; and

WHEREAS, the City wishes to commit itself to the cooperative creation of such a consortium.

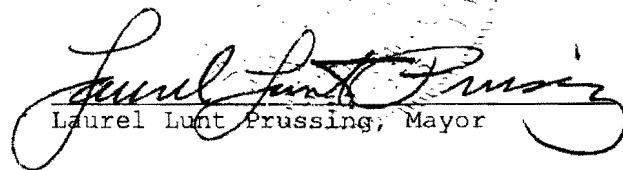
NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Urbana, Illinois, as follows:

That the Mayor is hereby authorized to sign, on behalf of the City of Urbana, the Intergovernmental Agreement Providing for the Creation of the Urbana-Champaign Big Broadband System Consortium (attached hereto and fully incorporated herein). Said Agreement shall be in effect immediately upon execution by all parties.

PASSED by the City Council this 3rd day of August, 2009.

  
 Phyllis D. Clark, City Clerk

APPROVED by the Mayor this 4th day of August, 2009.

  
 Laurel Lunt Prussing, Mayor

**AMENDED  
COUNCIL BILL NO. 2009 – 160**

**A RESOLUTION  
APPROVING A GRANT APPLICATION**

WHEREAS, the United States Government has, through the American Recovery and Reinvestment Act, has provided for the Broadband Technologies Opportunities Program, which includes funding to deploy broadband infrastructure in underserved areas, to enhance broadband capacity at public computer centers, and to encourage sustainable adoption of broadband service; and

WHEREAS, the State of Illinois is offering financial support to cover a portion of the American Recovery and Reinvestment Act funded broadband project matching costs; and

WHEREAS, the City of Champaign, the City of Urbana, and the University of Illinois have taken steps to apply for state and federal funding for projects that would enhance economic opportunities within the City of Champaign and provide a public benefit by providing high-speed connections to underserved areas as well as the possibility of high-speed connections to the rest of the community; and

WHEREAS, the Champaign-Urbana community is the home of the University of Illinois, which is among the preeminent institutions in the world related to automation and computer progress.

WHEREAS, successful participation in this grant program would benefit the City of Champaign and its residents and the larger community by providing for improved internet access and capabilities and resulting in improvements in the lives of residents and in the overall economic development potential of the area; and

WHEREAS, participation in the Urbana-Champaign Big Broadband Project is consistent with the goals and policies of the City of Champaign.



NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHAMPAIGN, ILLINOIS, as follows:

**Section 1.** That the City Manager is hereby authorized to take such steps to support applications for funding from the United States under the Broadband Technologies Opportunities Program through the U.S. Department, National Telecommunications and Information Administration, and with the State of Illinois, in conjunction with the University of Illinois and the City of Urbana, as are convenient and necessary.

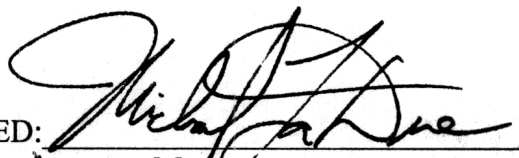
**Section 2.** That the City Manager is hereby authorized to undertake such activities and execute such documents as are reasonable and necessary to support the application.

**Section 3.** That the local match requirements of \$920,000 in matching funds and up to 4,000 hours of City staff time is hereby authorized, if the grant applications are selected by the U.S. Department of Commerce and accepted by the City of Champaign.

**Section 4.** That a copy of this resolution, duly adopted, shall be sent to the granting agencies as evidence of City of Champaign support of the grant applications.

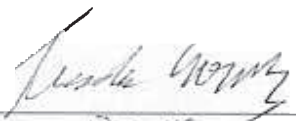
AMENDED  
COUNCIL BILL NO. 2009 – 160

PASSED: August 5, 2009

APPROVED:   
Deputy Mayor

ATTEST:   
City Clerk

APPROVED AS TO FORM:

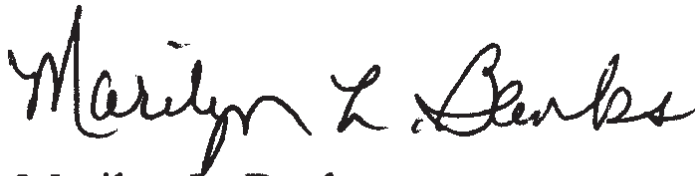
  
City Attorney

j:\leg\word\intergovernmental relations\big broadband\broadband - cb grant fed & state 8-3-09.rtf

# CERTIFICATE

I, Marilyn L. Banks, duly Appointed, fully Qualified, and City Clerk of the City of Champaign, County of Champaign, State of Illinois, do hereby certify that the attached is a true and correct copy of Council Bill 2009-160 "A Resolution Approving A Grant Application"

In WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Champaign, County of Champaign, State of Illinois, this 5th day of August, 2009.



Marilyn L. Banks  
City Clerk



**LETTER OF INTENT****FOR PROVISIONING OF INDEFEASIBLE RIGHTS OF USE IN THE UC2B FIBER OPTIC NETWORK**

The Urbana-Champaign Big Broadband Consortium (UC2B) and Champaign Unit 4 Schools ("Customer") intend to enter into a Definitive Agreement as outlined in this Letter of Intent. Customer intends to purchase an Indefeasible Right of Use (IRU) for dark fiber on the UC2B network.

**I. DEFINITIVE AGREEMENT**

The parties to this Letter of Intent will endeavor to finalize and execute a definitive agreement defining the transaction, which shall include the terms below, and such other provisions as may be mutually agreed upon.

**II. TRANSACTION DESCRIPTION**

The transaction shall include the purchase of an IRU for the provisioning of fibers within UC2B's network (see Exhibit A attached), including installation, testing, and maintenance for the term of the IRU and any other requirements mutually agreed upon. The twenty (20) proposed Customer locations to be connected to UC2B fiber are itemized on page two of Exhibit B.

**III. PRICING**

Customer agrees to pay a one-time charge of \$622,556.51 which will include the installation and testing of four (4) fiber strands on the entire length of UC2B fiber ring #1, four (4) fiber strands on the entire length of UC2B fiber ring #2, four (4) fiber strands on the entire length of UC2B fiber ring #3, four (4) fiber strands on the entire length of UC2B fiber ring #4, and the construction of single lateral fiber builds from the closest splice point on a UC2B fiber ring to the Customer's facilities. Of that total one-time charge, \$390,000.00 shall be for the construction of the single lateral fiber connections into twenty (20) locations and \$232,556.51 shall be for the 20-year IRU. Additionally, Customer agrees to pay an annual fiber maintenance charge of \$31,055.65 for the length of the IRU agreement.

**IV. PAYMENT**

The one-time payment may be made in three (3) equal payments of \$207,518.84 each. The first payment is due on January 10, 2010. The second payment is due on October 10, of 2010, and the final payment is due on October 10, of 2011.

**V. TERM**

20 years from date of delivery.



VI. DELIVERY SCHEDULE

UC2B estimates the delivery of all the fibers identified in the IRU on or about October 15, 2011. Should any fiber rings be available before then, UC2B shall make Customer fiber strands available to Customer as soon as the ring and the lateral construction is completed and the fiber is tested.

VII. LEGAL EFFECT

This Letter of Intent is intended to be a statement of the mutual interest of the parties with respect to a possible transaction and is subject to execution and delivery of a mutually satisfactory definitive services agreement. Nothing herein shall constitute a binding commitment of either party except for the agreements in this section. The parties will become legally obligated with respect to the transaction only in accordance with the terms contained in the definitive services agreement relating thereto if, as and when such document has been executed and delivered by the parties.

VIII. EXPIRATION DATE

This Letter of Intent will be honored until the expiration date which shall be 12 months after execution.

Accepted this 10<sup>th</sup> day of August 2009.

\_\_\_\_\_  
Urbana-Champaign Big Broadband Consortium

\_\_\_\_\_  
Name (printed)

Accepted this 10<sup>th</sup> day of August 2009.

*[Signature]*  
Customer Signature

*David W. Tomlinson*  
Name (printed)

*Board of Education*  
Champaign Unit 4 Schools

*PRESIDENT*  
Title

## LETTER OF INTENT

## FOR PROVISIONING OF INDEFEASIBLE RIGHTS OF USE IN THE UC2B FIBER OPTIC NETWORK

The Urbana-Champaign Big Broadband Consortium [UC2B] and Champaign Telephone Company ("Customer") intend to enter into a Definitive Agreement as outlined in this Letter of Intent. Customer intends to purchase an Indefeasible Right of Use (IRU) for dark fiber on the UC2B network.

## I. DEFINITIVE AGREEMENT

The parties to this Letter of Intent will endeavor to finalize and execute a definitive agreement defining the transaction, which shall include the terms below, and such other provisions as may be mutually agreed upon.

## II. TRANSACTION DESCRIPTION

The transaction shall include the purchase of an IRU for the provisioning of fibers within UC2B's network (see Exhibit A attached), including installation, testing, and maintenance for the term of the IRU and any other requirements mutually agreed upon. The proposed seven (7) Customer locations to be connected to UC2B fiber are itemized on page two of Exhibit B.

## III. PRICING

Customer agrees to pay a one-time charge of \$587,697,533 which will include the installation and testing of four (4) fiber strands on the entire length of UC2B fiber ring #1, four (4) fiber strands on the entire length of UC2B fiber ring #2, four (4) fiber strands on the entire length of UC2B fiber ring #3, four (4) fiber strands on the entire length of UC2B fiber ring #4, four (4) fiber strands on the entire length of UC2B fiber ring #5, four (4) fiber strands on the entire length of UC2B fiber ring #6, four (4) fiber strands on the entire length of UC2B fiber ring #7, and the construction of single lateral fiber builds from the closest splice point on a UC2B fiber ring to the Customer's facilities. Of that total one-time charge, \$210,000,000 shall be for the construction of the single lateral fiber connections into seven (7) locations and \$377,697,533 shall be for the 20-year IRU. Additionally, Customer agrees to pay an annual fiber maintenance charge of \$41,969,785 for the length of the IRU agreement.

## IV. PAYMENT

The one-time payment may be made in three (3) equal payments of \$195,899,188 each. The first payment is due on January 10, 2010. The second Payment is due on October 10, of 2010, and the final payment is due on October 10 of 2011.

## V. TERM

20 years from date of delivery.

VI. DELIVERY SCHEDULE

UC2B estimates the delivery of all the fibers identified in the IRU on or about October 15, 2011. Should any fiber rings be available before then, UC2B shall make Customer fiber strands available to Customer as soon as the ring and the lateral construction is completed and the fiber is tested.

VII. LEGAL EFFECT

This Letter of Intent is intended to be a statement of the mutual interest of the parties with respect to a possible transaction and is subject to execution and delivery of a mutually satisfactory definitive services agreement. Nothing herein shall constitute a binding commitment of either party except for the agreements in this section. The parties will become legally obligated with respect to the transaction only in accordance with the terms contained in the definitive services agreement relating thereto if, as and when such document has been executed and delivered by the parties.

VIII. EXPIRATION DATE

This Letter of Intent will be honored until the expiration date which shall be 12 months after execution.

Accepted this \_\_\_\_\_ day of \_\_\_\_\_ 2009.

\_\_\_\_\_  
Urbana-Champaign Big Broadband Consortium

\_\_\_\_\_  
Name (printed)

Accepted this 12 day of August 2009.

[Signature]  
Customer Signature

Michael Hosier  
Name (printed)

\_\_\_\_\_  
Champaign Telephone Company

pres.  
Title



**LETTER OF INTENT****FOR PROVISIONING OF INDEFEASIBLE RIGHTS OF USE IN THE UC2B FIBER OPTIC NETWORK**

The Urbana-Champaign Big Broadband Consortium [UC2B] and the Champaign-Urbana Mass Transit District ("Customer") intend to enter into a Definitive Agreement as outlined in this Letter of Intent. Customer intends to purchase an Indefeasible Right of Use (IRU) for dark fiber on the UC2B network.

**I. DEFINITIVE AGREEMENT**

The parties to this Letter of Intent will endeavor to finalize and execute a definitive agreement defining the transaction, which shall include the terms below, and such other provisions as may be mutually agreed upon.

**II. TRANSACTION DESCRIPTION**

The transaction shall include the purchase of an IRU for the provisioning of fibers within UC2B's network (see Exhibit A attached), including installation, testing, and maintenance for the term of the IRU and any other requirements mutually agreed upon. The proposed twelve (12) Customer locations to be connected to UC2B fiber are itemized on page two of Exhibit B.

**III. PRICING**

Customer agrees to pay a one-time charge of \$339,102.53 which will include the installation and testing of four (4) fiber strands on the entire length of UC2B fiber ring #1, four (4) fiber strands on the entire length of UC2B fiber ring #2, four (4) fiber strands on the entire length of UC2B fiber ring #3, four (4) fiber strands on the entire length of UC2B fiber ring #6, and the construction of single lateral fiber builds from the closest splice point on a UC2B fiber ring to the Customer's facilities. Of that total one-time charge, \$112,500 shall be for the construction of the single lateral fiber connections into twelve (12) locations and \$226,602.53 shall be for the 20-year IRU. Additionally, Customer agrees to pay an annual fiber maintenance charge of \$24,910.25 for the length of the IRU agreement.

**IV. PAYMENT**

The one-time charge may be made in three (3) equal payments of \$113,034.18 each. The first payment is due on January 10, 2010. The second payment is due on October 10, of 2010, and the final payment is due on October 10 of 2011.

**V. TERM**

20 years from date of delivery.

VI. DELIVERY SCHEDULE

UC2B estimates the delivery of all the fibers identified in the IRU on or about October 15, 2011. Should any fiber rings be available before then, UC2B shall make Customer fiber strands available to Customer as soon as the ring and the lateral construction is completed and the fiber is tested.

VII. LEGAL EFFECT

This Letter of Intent is intended to be a statement of the mutual interest of the parties with respect to a possible transaction and is subject to execution and delivery of a mutually satisfactory definitive services agreement. Nothing herein shall constitute a binding commitment of either party except for the agreements in this section. The parties will become legally obligated with respect to the transaction only in accordance with the terms contained in the definitive services agreement relating thereto if, as and when such document has been executed and delivered by the parties.

VIII. EXPIRATION DATE

This Letter of Intent will be honored until the expiration date which shall be 12 months after execution.

Accepted this \_\_\_\_\_ day of \_\_\_\_\_ 2009.

\_\_\_\_\_  
Urbana-Champaign Big Broadband Consortium

\_\_\_\_\_  
Name (printed)

Accepted this 11<sup>th</sup> day of AUGUST 2009.

  
Customer Signature

Wm L. Volk  
Name (printed)

\_\_\_\_\_  
Champaign-Urbana Mass Transit District

MANAGING DIRECTOR  
Title





**URBANA &  
CHAMPAIGN  
SANITARY  
DISTRICT**

P.O. BOX 669 • 1100 E. UNIVERSITY AVE. • URBANA, IL 61803-0669 • (217) 367-341

**BOARD OF TRUSTEES**  
Chris Alix  
Diana Lenik  
Jerry Lyke

**Executive Director**  
Michael Little

## **LETTER OF INTENT**

### **FOR INSTALLING FIBER CONECTIONS TO THE UC2B FIBER OPTIC NETWORK**

The Urbana-Champaign Big Broadband Consortium [UC2B] and the Urbana & Champaign Sanitary District ("Customer") intend to enter into a Definitive Agreement as outlined in this Letter of Intent. Customer intends to purchase fiber connections to the UC2B network and to then purchase layer two transport services over that network.

#### **I. DEFINITIVE AGREEMENT**

The parties to this Letter of Intent will endeavor to finalize and execute a definitive agreement defining the transaction, which shall include the terms below, and such other provisions as may be mutually agreed upon.

#### **II. TRANSACTION DESCRIPTION**

The transaction shall include the fiber infrastructure between Customer locations and UC2B's network (see Exhibit A attached), including installation, testing, recurring maintenance, and any other requirements mutually agreed upon. The proposed nine (9) Customer locations to be connected to UC2B fiber are itemized on page two of Exhibit B.

#### **III. PRICING**

Customer agrees to pay a one-time charge of \$120,000.00, which will include the installation and testing of fiber strands between the Customer locations and the nearest splice points on the UC2B network. Of that total one-time charge, the entire \$120,000.00 shall be for the construction of the single lateral fiber connections into nine (9) locations. Additionally, Customer agrees to pay an annual fiber maintenance charge of \$2,400 for the length of the agreement.

#### **IV. PAYMENT**

The one-time charge may be paid in three (3) equal payments of \$40,000 each. The first payment is due on January 10, 2010. The second Payment is due on October 10, of 2010, and the final payment is due on October 10 of 2011.

#### **V. TERM**

To be determined by Customer and UC2B.

#### **VI. DELIVERY SCHEDULE**

UC2B estimates the delivery of all the fibers identified in the Agreement on or about October 15, 2011. Should any fiber rings be available before then, UC2B shall make layer two services available to Customer as soon as the rings and the lateral construction are completed and the fiber is tested.

● Page 2

August 10, 2009

VII. LEGAL EFFECT

This Letter of Intent is intended to be a statement of the mutual interest of the parties with respect to a possible transaction and is subject to execution and delivery of a mutually satisfactory definitive services agreement. Nothing herein shall constitute a binding commitment of either party except for the agreements in this section. The parties will become legally obligated with respect to the transaction only in accordance with the terms contained in the definitive services agreement relating thereto if, as and when such document has been executed and delivered by the parties.

VIII. EXPIRATION DATE

This Letter of Intent will be honored until the expiration date which shall be 12 months after execution.

Accepted this \_\_\_\_\_ day of \_\_\_\_\_ 2009.

\_\_\_\_\_  
Urbana-Champaign Big Broadband Consortium

\_\_\_\_\_  
Name (printed)

Accepted this 10th day of August 2009.

Michael R. Little  
Urbana-Champaign Sanitary District (Customer)

\_\_\_\_\_  
Michael R. Little  
Name (printed)

Executive Director  
Title

*by Kimberly A. Lytle*

**LETTER OF INTENT****FOR INSTALLING FIBER CONECTIONS TO THE UC2B FIBER OPTIC NETWORK**

*The Urbana-Champaign Big Broadband Consortium [UC2B] and Lincoln Trail Libraries System ("Customer") intend to enter into a Definitive Agreement as outlined in this Letter of Intent. Customer intends to purchase fiber connections to the UC2B network and to then purchase Internet services and/or layer-two transport services over that network.*

**I. DEFINITIVE AGREEMENT**

*The parties to this Letter of Intent will endeavor to finalize and execute a definitive agreement defining the transaction, which shall include the terms below, and such other provisions as may be mutually agreed upon.*

**II. TRANSACTION DESCRIPTION**

*The transaction shall include the use of fiber infrastructure between Customer location and UC2B's network Ring #1 (see Exhibit A attached), including installation, testing, recurring maintenance and any other requirements mutually agreed upon. The proposed one (1) Customer location to be connected to UC2B fiber is itemized on page two of Exhibit B.*

**III. PRICING**

*Customer agrees to pay a one-time charge of \$30,000.00, which will include the installation and testing of fiber strands between the Customer locations and the nearest splice point on the UC2B network. Of that total one-time charge, the entire \$30,000.00 shall be for the construction of the single lateral fiber connections into one (1) location. Additionally, Customer agrees to pay an annual fiber maintenance charge of \$600.00 for the length of the agreement.*

**IV. PAYMENT**

*The one-time charge may be paid in three (3) equal payments of \$10,000 each. The first payment is due on January 10, 2010. The second Payment is due on October 10, of 2010, and the final payment is due on October 10 of 2011.*

**V. TERM**

*To be determined by Customer and UC2B.*

**VI. DELIVERY SCHEDULE**

*UC2B estimates the delivery of all the fibers identified in the Agreement on or about October 15, 2010. Should the fiber ring be available before then, UC2B shall make layer two services available to Customer as soon as the ring and the lateral construction are completed and the fiber is tested.*

**VII. LEGAL EFFECT**

*This Letter of Intent is intended to be a statement of the mutual interest of the parties with respect to a possible transaction and is subject to execution and delivery of a mutually satisfactory definitive services agreement. Nothing herein shall constitute a binding commitment of either party except for the agreements in this section. The parties will become legally obligated with respect to the transaction only in accordance with the terms contained in the definitive services agreement relating thereto if, as and when such document has been executed and delivered by the parties.*

**VIII. EXPIRATION DATE**


*This Letter of Intent will be honored until the expiration date which shall be 12 months after execution.*

Accepted this \_\_\_\_\_ day of \_\_\_\_\_ 2009.

\_\_\_\_\_  
Urbana-Champaign Big Broadband Consortium

\_\_\_\_\_  
Name (printed)

Accepted this 12th day of August 2009.

  
\_\_\_\_\_  
Customer Signature

Jan Ison  
\_\_\_\_\_  
Name (printed)

\_\_\_\_\_  
Lincoln Trail Libraries System

Executive Director  
\_\_\_\_\_  
Title



**Urbana School  
District 116**

Jean F. Burkholder  
Administrative Service Center  
www.usd116.org

Preston L. Williams, Jr. Ed.D  
Superintendent of Schools  
217-384-3600  
Fax 217-337-4973

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205 North Race Street  
P.O. Box 3039  
Urbana • Illinois • 61803-3039

**LETTER OF SUPPORT  
FOR THE UC2B FIBER OPTIC NETWORK**

The Urbana School District #116 (the District) has prepared this letter of support for the Urbana-Champaign Big Broadband Consortium [UC2B]. The District has been involved with a fiber optic collaborative project with the City of Urbana since April 2008. As part of the City Fiber Project, the District has purchased dark fiber as part of a fiber optic network connecting five school buildings by June 2009, with plans to reach two additional schools and two school administrative facilities by June 2010, and two additional school buildings by 2011.

Fiber connectivity is a critical aspect of the District's Technology Integration Plan. Prior to the City Fiber Project, the schools and classrooms have been served with a 1MB T-1 line that was insufficient to keep up with administrative requirements (e.g. online attendance and grade books). By increasing our connectivity exponentially, students, teachers, and administrators will transform technology integration with curriculum, instruction, assessment, and administrative decision-making. Teachers and students will be able to collaborate with peers and classrooms via video conferencing. The high school will have the opportunity to offer dual credit college level courses taught by college faculty in distance learning situations. The schools will be able to capitalize on their updated computer labs and media centers by publishing audio and video productions to the web. Increased bandwidth will also allow the implementation of a variety of new technology tools, like interactive whiteboards and individual student response systems. In the past year, the District has upgraded computer labs and media centers at all school buildings. Instructional use of technology has grown substantially in the past three years, but the historically low bandwidth has hindered the use of audio, video, and Web 2.0 technologies. The increased bandwidth is allowing automation, integration, and access to a variety of data systems, including the online library catalog, student emails provided by the district, and family access to student attendance and grade records. District administration will be able to take advantage of voice-over-internet phone systems, remote problem solving meetings, and access to student achievement data warehouses.



Urbana School District #116

The district has committed to paying the City of Urbana \$94,175.00 to complete the first phase of District's portion of the City Fiber Project. The District is currently working with the City on the second phase, which will cost the District an additional \$58,900. The District has spent an additional \$145,000 on handholds, network upgrades, and connectivity issues directly associated with upgrading to the fiber optic network. The District views the amount that they have committed to the City Fiber Project as an in-kind contribution to the UC2B project.

The advantage of the UC2B project for the District is that it would dramatically reduce the current fiber implementation timeline, and it would also provide additional integration with community partners, other governmental agencies, as well as parents who are served by the increased access to broadband.

This Letter of Support is intended to be a statement of support and mutual interest of the parties with respect to a possible collaboration. Nothing herein shall constitute a binding commitment of either party.

Sincerely,



Donald Owen  
Assistant Superintendent for Curriculum and Instruction

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Office of the Vice Chancellor for Public Engagement  
Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



July 30, 2009

Mike Smeltzer  
Director of Networking  
Campus Information Technologies and Educational Services (CITES)  
University of Illinois at Urbana-Champaign  
2101 Digital Computer Laboratory, MC-256  
1304 West Springfield Avenue  
Urbana, Illinois 61801

Dear Mike,

I am pleased to provide this letter of support for the Urbana-Champaign Big Broadband (UC2B) proposal to the Broadband Technology Opportunities Program, National Telecommunications Information Administration, Department of Commerce, for stimulus funding to provide broadband access to underserved areas, including more than 15,000 low income households, of Champaign County. Expanded broadband access would be a tremendous asset for the community and will help foster further economic development in the county.

My office, with support from the Office of the Chancellor, will provide annual support of \$60,000 for this project for a period of five years, subject to availability of funds. Our budget decisions are made on an annual basis and availability of funds may change from year to year. The commitment is contingent upon funding being awarded to UC2B project. Further, if the proposal is funded at a level less than the requested amount our contribution will be reduced proportionally.

I wish you and the Urbana-Champaign Big Broadband (UC2B) Consortium all the best for this important project.

Sincerely,

Steven T. Sonka  
Interim Vice Chancellor

telephone 217-333-9525 • fax 217-244-4121



**INTERGOVERNMENTAL AGREEMENT PROVIDING  
FOR THE CREATION OF THE  
URBANA-CHAMPAIGN BIG BROADBAND SYSTEM CONSORTIUM**

THIS AGREEMENT is made and entered by and between the City of Champaign, a municipal corporation, the City of Urbana, a municipal corporation, and the Board of Trustees of the University of Illinois ("University of Illinois"), all with offices in Champaign County, Illinois, and collectively referred to as "Parties".

WHEREAS, Section 10 of Article VII of the Illinois Constitution of 1970 and the Illinois Intergovernmental Cooperation Act, 5 ILCS 220/1 et seq. enables the parties here to enter into agreements among themselves and provide authority for intergovernmental cooperation; and,

WHEREAS, the parties find it to be in the best interest to the City of Champaign, the City of Urbana, and the University of Illinois to develop and operate a coordinated countywide broadband system; and,

WHEREAS, the parties are committed to the principles of intergovernmental cooperation; and,

WHEREAS, the parties' intention is to seek grants under the American Recovery and Reinvestment Act ("ARRA") for the development and construction of a broadband project to serve "underserved" areas within the Champaign-Urbana community as generally described in the "Urbana-Champaign Big Broadband Proposal" dated July 21, 2009 ("UC2B Proposal"), attached hereto and incorporated by reference herein ("Proposal"); and consistent with the Broadband Technology Opportunities Program Project Categories as set forth in the "Notice of funds Availability – Fact Sheet – July, 2009", which is attached hereto and the Notice of Funds Availability issued by the Department of Commerce for the for the Broadband Technology Opportunities Program; and

WHEREAS, in order to develop and operate a coordinated broadband system, it is necessary to establish a system consortium; and,

WHEREAS, the mission of such a consortium is to:

1. Build multiple backbone rings identified in the Proposal;
2. Build a Fiber to the Premise (FTTP) infrastructure in the thirty-five (35) "underserved" census block groups identified in the Proposal;
3. Provide fiber and develop options for providing e Internet services to the FTTP customers;
4. Build the lateral fiber connections to schools, fire stations, senior living facilities, community technology centers and other private fiber locations;
5. Activate fiber services to the UC2B partners and investors;
6. Complete the construction of the physical elements of the project by November of 2012;
7. Operate the system developed pursuant to this Agreement for the benefit of the community.

WHEREAS, it is necessary to provide generally for structure, operations and joint funding of the consortium; and,

WHEREAS, the parties desire that the system be operated and managed with clear lines of authority for implementing policies to achieve the mission and goals of a consortium as set forth and as articulated from time to time by the parties; and,

NOW, THEREFORE, the parties agree as follows:

**SECTION 1. DEFINITIONS**

- a) "Consortium" means the Urbana-Champaign Big Broadband System Consortium (UC2B), consisting of the members, equipment, personnel, and programs established by and operating pursuant to this Agreement and created to perform the tasks necessary to establish and maintain the broadband system developed under this Agreement.
- b) "Consortium Coordinator" is an employee of the Lead Agency charged by the Lead Agency with the responsibility of administering, supervising, managing and directing the activities, programs, and employees assigned to the Consortium in order to successfully construct, maintain, and operate the system.
- c) "Consortium Staff" means staff of the Lead Agency who are assigned work on Consortium activities under the direction of the Consortium Coordinator.
- d) "Grant Agreements" means those agreements entered into pursuant to the ARRA grants made available under the general terms of the "Notice of Funds Availability – Fact Sheet – July, 2009", attached hereto.
- e) "Lead Agency" means the party designated by the members, pursuant to this Agreement as the party having overall responsibility for Consortium operations on an ongoing basis in accordance with the policies established by the Policy Committee and this Agreement. The parties acknowledge that the "Lead Agency" may be different for different parts of the overall undertaking.
- f) "Members" mean the City of Champaign, Illinois; the City of Urbana, Illinois; and the University of Illinois at Urbana-Champaign; and such other members who become signatories to the Agreement.
- g) "Party (or Member) in Good Standing" means a member that has not delivered a notice of its intent to withdraw from this Agreement or for which the Policy Committee has not issued a notice of payment default.
- h) "Policy Committee" means the body created by this Agreement to approve the budget for the Consortium, to develop cooperative approaches regarding area wide broadband construction and operation and the concerns of each party, and to perform such other functions as are set forth in this Agreement.
- i) "Program" means the design, construction, and operation of a fiber optic system in the Bradley Avenue Corridor and adjacent areas designed and operated to serve underserved, unserved and vulnerable populations as required by the terms of the ARRA grant.
- j) "System" means a series of fiber optic rings constructed as an open network, and including all fiber connections to the premises constructed, operated by, or controlled by the Consortium, and includes broadband infrastructure, public computer center projects that expand computer center capacity at entities that permit public use of computer assets, and sustainable broadband projects that promote broadband demand.
- k) "Technical Committee" means the body created by this Agreement to provide technical advice and recommendations to the Policy Committee.

**SECTION 2. CONSORTIUM CREATED**

- a) The parties hereby create the Urbana-Champaign Big Broadband System Consortium, an undertaking to operate a communitywide broadband system. The Consortium is created to construct, develop and operate a coordinated system. Service from Consortium and access to Consortium services shall be in accordance with this Agreement.
- b) The Consortium shall be a unit of the Lead Agency, subject to the Lead Agency's policies and procedures, except as otherwise specified in the Agreement. The parties hereby authorize and direct the Lead Agency to operate pursuant to this Agreement, and the Lead Agency hereby agrees to operate pursuant to this Agreement.

**SECTION 3. CONSORTIUM MISSION**

The mission of the Consortium and its members is to:

- a) Coordinate the construction of the Program and implement connections as required by the Grant Agreements;
- b) Lead development effort for connection to the system;
- c) Establish standards for quality of all connections;
- d) Maintain system records and make such records accessible to all members;
- e) Provide all members access to the system;
- f) Establish and maintain the system, including an operational budget;
- g) Provide system administration and ongoing system support, upgrades, and maintenance for Consortium-controlled assets;
- h) Provide services to members in accord with a work plan approved by the Policy Committee;
- i) Promote use of the system;
- j) Establish operational, administrative, and procedural policy as related to the system operations.

**SECTION 4. POLICY COMMITTEE CREATED**

The Policy Committee is hereby created in accordance with the following provisions:

**a) Membership.**

- (i) The Policy Committee shall be comprised of two (2) members to be designated by the Chancellor of the University of Illinois and by each of the Chief Administrative Officers of other members. Additionally, the Chair of the Technical Committee shall be an ex officio voting member of the Policy Committee. The designation shall be made in writing and sent to the

Chancellor and the Chief Administrative Officer of the other members. These shall be voting representatives.

(ii) Additionally, there shall be one (1) non-voting representative of the non-governmental sector, and one (1) non-voting representative of small or specialized governmental users. Both of these non-voting representatives shall be appointed by the Chair and approved by the Policy Committee and shall serve for a three-year term.

b) Voting. In those matters required by this Agreement to be decided by the Policy Committee, unless otherwise specified in this Agreement, the proposition voted upon shall not be considered approved unless it receives an affirmative vote from at least a majority of Policy Board members or such greater percentage vote specified in this Agreement of all voting members of the Policy Committee in good standing.

c) Quorum. A quorum shall consist of a majority of voting representatives of the Policy Committee members in good standing.

d) Unanimous Vote. In those matters required by this Agreement to be decided by a unanimous vote of the Policy Committee, a proposition shall not be considered adopted unless it receives an affirmative vote from the voting representative of each and every member that is in good standing at the time of the vote.

e) Representative's Substitute. A member's designated representative to the Policy Committee may select a designated voting representative to serve in the designated representative's absence.

f) Regularity of Meetings. The Policy Committee shall meet at least monthly. Other meetings may be called at the request of the Policy Committee Chair or any two (2) of the voting members' representatives on the Policy Committee.

g) Open Meetings Act. The Policy Committee shall adhere to the requirements of the state's Open Meetings Act.

## **SECTION 5. POLICY COMMITTEE FUNCTIONS AND RESPONSIBILITIES**

The Policy Committee shall have the following functions and responsibilities:

a) Mission/By-Laws/Committees. The Policy Committee shall have the authority to adopt a mission statement, to enact procedural by-laws governing or directing the activities of the Consortium, provided such mission statement and by-laws do not conflict with the terms of this Agreement, and to create such committees as it deems advisable.

b) Officers. The Policy Committee shall elect a Chair and such officers as it deems advisable from among the voting representatives of the members, said election to occur every two (2) years in June, unless a vacancy sooner occurs, in which case the election shall occur within thirty (30) days after the vacancy.

c) General Responsibilities. The Policy Committee is responsible for approving: policy, priorities, budget, work plan, and technical standards.

d) Budget.

i) The Policy Committee shall, by an affirmative vote of five (5) of the seven (7) voting members:

- 1) annually approve a budget; and
- 2) approve amendments to said budget and expenditures as from time to time deemed necessary by the parties.

ii) The tentative budget for each year shall be submitted by the Lead Agency to the Policy Committee during March of each year.

iii) Unless a new budget is approved by July 1st of any year, the last previously approved budget shall continue from year to year.

iv) The format of the budget shall conform to the format of the Lead Agency's budget unless otherwise directed by vote of the Policy Committee.

e) Funding Formula. The Policy Committee shall annually on or before February 1 of each year, by a unanimous vote, approve the funding formula to determine the parties' share of expenses for Consortium operations, provided, however, that the most recently approved cost-sharing formula shall continue unless amended by the unanimous vote of the parties.

f) Intergovernmental Agreement. The Policy Committee may approve contracts with other governmental entities to provide some or all of Consortium services on a contractual basis.

g) Purchases. The Policy Committee may approve contracts for the purchase of goods or services with units of federal, state and local units of government, private corporations, not-for-profit organizations, partners and individuals. All such purchases shall be made in accordance with the purchasing policies of the Lead Agency.

h) Gifts. The Policy Committee may approve the application for agreements for the receipt by the Consortium of grants, loans, gifts, bequests, funding, in-kind services from federal, state and local units of government, and from public and private sources.

i) Lead Agency. The Policy Committee may designate the Lead Agency by at least a two-thirds (2/3) affirmative vote of all voting members, provided that no members shall be designated Lead Agency without its consent, and provided further that, unless the parties agree otherwise, no change in the Lead Agency shall take place without at least one hundred and eighty (180) days' prior notice prior to the beginning of the next fiscal year of the current Lead Agency.

j) Technical Committee. The Policy Committee shall appoint the Technical Committee. Each voting Policy Committee member, except the ex-officio Technical Committee Chair, may appoint up to two (2) persons to the Technical Committee, one of whom shall be designated as the voting representative of the member. The Policy Committee member may authorize an alternate Technical Committee voting representative to vote when its regular member is absent for the Technical Committee meeting.

k) Role of the Technical Committee.

- i) The Technical Committee shall make recommendations to the Policy Committee concerning:

- 1) Hardware requirements;
  - 2) Software requirements;
  - 3) Networking;
  - 4) Standards;
  - 5) Other aspects of the system as requested by the Policy Committee.
- ii) Recommendations of the Technical Committee shall be by majority vote, though consensus of all voting participants is desirable.
- iii) Prior to the purchase of equipment related to the infrastructure, software or hardware or the adoption of technical standards that has the potential to impact members' operations or the overall operation of the infrastructure, the Technical Committee shall seek input and concurrence from all members prior to recommending the purchase, or recommending a technical standard.

*l) Fee Policies.* The Policy Committee shall have the authority to set fees for usage of the system by a majority vote of voting members.

#### **SECTION 6. LEAD AGENCY DESIGNATED**

The initial Lead Agency for the purposes of applying for, receiving and administering any grant under ARRA shall be the University of Illinois.

The parties agree to meet to determine the Lead Agency for the purposes of administering or performing the operational phases of the grant, and ultimately the Lead Agency for the administrative and continuation of the Consortium activities.

#### **SECTION 7. LEAD AGENCY DUTIES**

The Lead Agency shall be responsible for, and is hereby empowered to take, all actions to support the overall operation of Consortium and its affairs in accordance with this Agreement and the mission, goals and objectives approved by the Policy Committee. These duties include, but are not limited to:

- a) Employing and supervising all personnel assigned to the Consortium in accordance with the Lead Agency's policies and procedures, including, but not limited to, hiring, firing, disciplining, establishing incentives, benefits, negotiations with unions, and all other employment decisions.
- b) Directing the management and supervision of all employees assigned to Consortium duties in accordance with the policies and procedures of the Lead Agency.
- c) Incurring and paying, on the behalf of the members and in accordance with this Agreement and Consortium's approved budget, all Consortium expenses.
- d) Entering into all contracts, lease and procurement agreements in accordance with this Agreement, the approved budget, and the policies and procedures of the Lead Agency, including the acquisition of interests in real property as necessary to complete the Project.

- e) Expending funds in accordance with the Consortium's approved budget. Purchasing shall be conducted in accordance with the Consortium approved budget and the purchasing policies and procedures of the Lead Agency.
- f) Providing all personnel administration, financial support staff, insurance, legal advice and management support and services in accordance with this Agreement and the approved Consortium budget and the policies and procedures of the Lead Agency.
- g) Billing and collecting from each member its share of the cost of Consortium's operations as provided in this Agreement and the approved annual budget and work plan of Consortium.
- h) Overseeing the establishment and implementation of policies and procedures at the Consortium staff level to implement the mission, goals, and work plan of the Consortium.
- i) Developing a proposed annual budget and work plan and administering the approved budget, expenditures, and work plan in accordance with this Agreement.
- j) Providing staff support, including the recording and distribution of minutes for the Consortium Policy and Technical Committee, and bringing policy/technical issues to the committees as appropriate.
- k) Providing necessary office space, furnishings, equipment, hardware, software, and technical support for the Consortium to operate.
- l) Providing generally for the audit, accounting for, receipt, and custody of consortium funds.

The Lead Agency shall be entitled to reimbursement for the costs it incurs in performing these functions, which costs shall be included in Consortium's budget, as amended from time to time in accordance with this Agreement. The formula for cost reimbursement shall be established as part of the funding formula.

#### **SECTION 8. MEMBER RESPONSIBILITIES**

Each member shall:

- a) Utilize the system only in accordance with Consortium policies;
- b) Provide two (2) people to serve as active voting representatives on the Policy Committee;
- c) Provide at least one (1) staff person to serve as an active voting representative for the Technical Committee.
- d) Provide information on a regular or as needed basis to the Consortium in order to maintain current information necessary for the Consortium to fulfill its mission;
- e) Pay for Consortium activities in accordance with this Agreement.



**SECTION 9. FINANCES**

*a) Contributions.* Each party shall be responsible for contributing to the Consortium budget and expenses based on a cost-sharing formula established from time to time by the members. Any change in the formula may be made by a unanimous vote of the parties' voting representatives on the Policy Committee. The initial approved cost-sharing formula will be attached as Exhibit A" after approval of the Policy Committee as set forth in this subsection. The most recently approved cost-sharing formula shall continue unless amended by unanimous vote of the parties.

*b) Records.* The Lead Agency shall maintain financial records regarding Consortium operations and finances in accordance with generally accepted governmental accounting standards, which records shall be available at the Lead Agency's finance offices for inspection by any of the parties during regular business hours.

*c) Invoices.* The Lead Agency shall invoice each member on the first day of each quarter for the next quarter's service for its share of Consortium costs based on the approved cost sharing formula

*d) Payment.* Members shall pay said bills within thirty (30) days of receipt of an invoice for the same.

*e) Audit.* Consortium financial records shall be audited on an annual basis by the outside accountant used by the Lead Agency for its other audits and the cost of such audit shall be considered an operating expense of Consortium.

*f) University.* All commitments by the University are subject to constitutional and statutory restrictions and limitations binding upon the University and to the availability of funds which may be lawfully applied thereto.

*g) Fiscal Year.* Consortium's fiscal year shall be from July 1 to June 30.

**SECTION 10. RIGHT-OF-WAY AND REAL PROPERTY ACCESS; CONSTRUCTION**

*a) Right-of-Way.* Construction and the continued existence of the system network will require access to and a continuing presence on, over and under the public right-of-way and real property of the parties. The parties agree as follows with respect to right-of-way and real property usage:

i) Each party hereby agrees that the Consortium shall have a continuing license to utilize the right-of-way and real property of any of the parties in order to effectuate the purposes of this Agreement.

ii) Any use of the right-of-way shall be subject to all ordinances of general application concerning right-of-way, including right-of-way fees for construction, but not including franchise or rental fees which would otherwise require a continuing annual fee for right-of-way usage.

*b) Construction.* The Consortium shall either enter into contracts with each party to accomplish construction on right-of-way within the party's jurisdiction or the Lead Agency shall, on behalf of the Consortium, contract directly with a third party to accomplish the construction.

1. All construction shall be subject to all federal and state laws applicable, including all laws applicable to the project as a result of receipt of grant funds under the ARRA.

2. After the construction is completed, the conduits and fiber within the conduits, in addition to the license to utilize the right-of-way and real property for the operation of the system, shall be the property of the Consortium.

### **SECTION 11. TERMINATION BY PARTIES**

*a) Withdrawal.* A party may terminate its participation in this Agreement as of July 1 of any year by giving written notice to each of the other parties. Such notice shall be given prior to December 31 of the year before the desired termination date.

*b) Failure to Budget.* Notwithstanding any provision of this Agreement to the contrary, a member may withdraw by giving prior written notice thirty (30) days in advance to each of the other parties indicating its intent to terminate its participation in this Agreement as of the end of the month following the expiration of such thirty (30) days, provided, however, withdrawal under this section can only be invoked if the corporate authorities of such member, or the legislature in the case of the University, have failed or refused to authorize, appropriate or budget the funds necessary to pay such member's share of the costs, as such costs are determined by the Policy Committee pursuant to this Agreement. Each party will utilize its best efforts to appropriate and budget sufficient funds to meet its obligations under this Agreement in full.

*c) Default.* If a party to this Agreement is in default of its payment obligations, the Policy Committee may so declare and terminate system services to that member thirty (30) days after the date of mailing of notice of default and termination of services to the defaulting party, unless the defaulting party cures the default in full prior to the expiration of the thirty (30) days set forth in the notice. The notice of the default declared by the Policy Committee shall be issued by the Lead Agency. The defaulting party shall continue to be responsible to pay its assigned share of the cost of Consortium as determined in accordance with this Agreement for the ensuing nine (9) months following the termination of system services. If the defaulting party, within the nine (9)-month period, pays all amounts due and the costs incurred by the Consortium in updating the information in relevant databases, system services to the party shall be reinstated.

### **SECTION 12. DISSOLUTION**

It is the intent of the parties to maintain Consortium as a continuing operation. However, should any of the parties elect to withdraw its participation in and support of Consortium, then Consortium may continue in operation for the benefit of the remaining parties if a minimum of two (2) of the parties elect to continue their participation.

### **SECTION 13. EQUIPMENT; USE AND OWNERSHIP; LOAN EQUIPMENT**

All equipment purchased for Consortium shall be purchased, utilized and disposed of by the Lead Agency and held in trust for Consortium use. It shall be recorded and identified by the Lead Agency as Consortium Agreement property, separate from other Lead Agency property. Prior to dissolution of Consortium, all proceeds from the sale of any Consortium Agreement property or data shall be devoted solely to the operation of Consortium. In the case of a change in Lead Agency, all right, title, and interest to Consortium property shall be transferred with the Lead Agency function to the new Lead Agency.

Any member agency may, with approval of the Policy Committee, loan personal property or equipment to the Lead Agency for the use of Consortium. Such property shall continue to be owned by the member agency, and the Lead Agency shall keep written records of such loaned

equipment. If the party owning the loaned equipment wishes to withdraw it from Consortium service, that party may do so provided that, if in the opinion of the Consortium Director, the property is essential to Consortium and requires replacement to ensure consistency and proper functioning of Consortium, then such loaned equipment shall be withdrawn only after providing a reasonable notice of withdrawal to the other parties.

#### **SECTION 14. RIGHTS OF TERMINATING PARTY TO CONSORTIUM ASSETS**

A party terminating its participation in this Agreement shall continue to maintain its financial interest in all equipment purchased for the Consortium operation prior to the date of that member's termination. Such equipment or proceeds derived from the disposition of the equipment shall continue to be used for the continued operation of Consortium until Consortium is dissolved. The Lead Agency shall deliver to the terminating party a list of the equipment in which the terminating party has an interest within twenty (20) days after the effective date of termination.

#### **SECTION 15. DISPOSITION OF CONSORTIUM ASSETS UPON DISSOLUTION**

Upon dissolution of Consortium, unless the parties otherwise agree:

1. Within 30 days after the last of the parties to agree to dissolve or when 2 or 3 parties terminate participation in the Consortium, the parties shall each select a person technically qualified to evaluate the assets of the Consortium and suggest a manner and method of disposition in a written report. Said person shall, within 60 days after the last of the parties to select a representative, suggest the manner and method of disposition of the assets to the parties in their written report. The person selected shall be guided, but not be restricted, by the following principles, unless otherwise required by law:

- a. The location of the asset, if the location is important to the usefulness of the asset;
- b. Whether an asset would be useful only when used in conjunction with another asset;
- c. The impact on any user who is, or may be impacted, by the disposition;
- d. The replacement value of the asset;
- e. The population served by the asset;
- f. Any federal regulations which govern the disposition of the assets.

If the chief administrative officer of any party is not evidenced agreement within 28 days after receipt of the report, by notifying the Chief Administrative Officer of the other parties in writing, the parties shall be deemed to have not agreed on the disposition by this method and proceed to method 2.

2. All assets held in trust by the Lead Agency on behalf of the parties to this Agreement shall be sold at a public sale, and the proceeds, all assets held in trust by the Lead Agency on behalf of the parties of this Agreement will be sold at public sale and the proceeds, after deducting all costs of sales and any unpaid obligations relating to such assets or operating expenses of the Consortium, shall be divided among the parties to this Agreement in equal amounts.

Any one (1) or more of the parties shall have the right to purchase such assets at their fair market value prior to any public sale. Such fair market value shall be determined by unanimous vote of the Policy Committee. If any one (1) party wishes to purchase such assets or a particular asset for the fair market value, the matter will be decided by lot. Any persons purchasing assets in the right-of-way of a government unit, including the right-of-way of the parties, shall be required to enter into an agreement with that governmental unit for the use of

the right-of-way, and there shall not be any continuing right to use the right-of-way of a governmental unit as an inherent aspect of the purchase.

#### **SECTION 16. INSURANCE**

The Lead Agency shall procure and maintain, during the term of this Agreement or any extension thereof, sufficient property insurance to cover the replacement value of the Consortium equipment and all equipment loaned to Consortium, against all direct loss or damage. The cost of any such insurance shall be a cost of operating Consortium, to be borne by the parties hereto in the same manner as other costs in accordance with this Agreement. The Lead Agency shall procure and maintain liability and worker's compensation insurance for Consortium operations in accordance with insurance purchase standards for its other operating departments. The insurance shall name each member agency as additional insured under the liability policy procured.

#### **SECTION 17. LIMITATIONS OF PERSONNEL**

No employee shall have authority to commit, obligate or bind any party hereto to any contract or obligation unless specifically authorized by said party, except as provided for in this Agreement.

#### **SECTION 18. AMENDMENTS**

This Agreement may be amended in writing at any time by mutual agreement of all of the parties to the Agreement. Amendments shall refer back to this Agreement and to subsequent amendments, if any, on the same subject and shall specify the language to be changed or to be added. The execution of any amendment shall be authorized by passage of an appropriate ordinance or other proper and lawful corporate action by the corporate authorities of each party.

#### **SECTION 19. ADDITIONAL NON-VOTING MEMBERS**

The Policy Committee may add new non-voting governmental members to the Policy Committee if such admission to membership would assist the Committee in the conduct of its business.

#### **SECTION 20. EFFECTIVE DATE**

This Agreement shall be effective as to each member on the date such member executed the Agreement.

#### **SECTION 21. NOTICES**

Notices hereunder shall be provided personally or by first class mail to the Chancellor of the University and to the Chief Administrative Officer of each party and to the attorney representing each party. The date of the notice shall be the third day after the date of mailing of notice is provided by mail. If the notice is provided by personal delivery, the date of personal delivery is the date of the notice.

#### **SECTION 22. APPLICABLE LAWS**

On performing the obligations hereunder, the parties shall comply with all applicable federal, state and local laws and the terms of any grant agreement concerning ARRA funds.

**SECTION 23. COUNTERPARTS**

This Agreement may be signed in several counterparts, each of which shall be considered an originally executed agreement for all purposes.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals to this Agreement as of the dates below indicated.

**CITY OF CHAMPAIGN**

**CITY OF URBANA**

By: \_\_\_\_\_  
City Manager

By: \_\_\_\_\_  
Mayor

Date: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST: \_\_\_\_\_  
City Clerk

ATTEST: \_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
City Attorney

**THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS**

By: \_\_\_\_\_  
Comptroller

Date: \_\_\_\_\_

ATTEST: \_\_\_\_\_  
Secretary

\_\_\_\_\_  
Chancellor

\_\_\_\_\_  
Business Office

APPROVED AS TO FORM:

\_\_\_\_\_  
Campus Legal Counsel

*j:\leg\word\intergovernmental relations\big broadband\big broadband i-g agreement 6-29-09.doc*

TIMOTHY V. JOHNSON  
15TH DISTRICT, ILLINOIS



AGRICULTURE

GENERAL FARM COMMODITIES  
AND RISK MANAGEMENT

TRANSPORTATION AND  
INFRASTRUCTURE

HIGHWAYS AND TRANSIT  
RAILROADS, PIPELINES, AND  
HAZARDOUS MATERIALS

Congress of the United States  
House of Representatives  
Washington, DC 20515-1315

REPLY TO:  
WASHINGTON OFFICE:  
 1207 LONGWORTH HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515  
(202) 225-2371

DISTRICT OFFICES:  
 2004 FOX DRIVE  
CHAMPAIGN, IL 61820  
(217) 403-4690

202 NORTH PROSPECT ROAD  
SUITE 203  
BLOOMINGTON, IL 61704  
(309) 663-7049

655 WEST LINCOLN  
UNIT 8  
CHARLESTON, IL 61920  
(217) 348-6759

1001 MARKET STREET  
SUITE 102  
MOUNT CARMEL, IL 62863  
(618) 262-8719

Aug. 18, 2009

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

To Whom It May Concern:

I write in enthusiastic support of the Champaign-Urbana Big Broadband application for grant assistance.

This groundbreaking effort is supported by a wide array of local government jurisdictions, business groups, civic groups and everyday citizens. Organizers have put forth a sophisticated and workable plan, backed by local resources, to bring this technology to people and places that are currently underserved.

The educational and economic benefits are incalculable. My hope is that this plan can be a model with the potential to be emulated throughout the country.

Please give every consideration to this plan and do not hesitate to call with questions.

Sincerely,

Timothy V. Johnson  
Member of Congress



**COMMITTEES**

Human Services (Chairman)  
 Higher Education (Vice-Chair)  
 Approp. Higher Education  
 Adoption Reform  
 Public Policy & Accountability  
 Environmental Health  
 Election & Campaign Reform



**NAOMI D. JAKOBSSON**  
 STATE REPRESENTATIVE • 103<sup>rd</sup> DISTRICT  
 E-mail: [naomi@naomijakobsson.com](mailto:naomi@naomijakobsson.com)

**CAPITOL OFFICE:**  
 257-S Stratton Building  
 Springfield, IL 62706  
 217-558-1009  
 217-557-4536 - FAX

**DISTRICT OFFICE:**  
 206 N. Randolph, Suite 120  
 Champaign, IL 61820  
 217-373-5000  
 217-373-8679 - FAX

July 31, 2009

Mike Smeltzer  
 Director of Networking  
 Campus Information Technologies and Educational Services (CITES)  
 University of Illinois at Urbana-Champaign  
 2101 Digital Computer Laboratory, MC-256  
 1304 West Springfield Avenue Urbana, Illinois 61801

Dear Mike,

I am pleased to provide this letter of support for the Urbana-Champaign Big Broadband (UC2B) proposal. Having talked with your team members several times, I know the depth of their commitment to not only bring Big Broadband to the “underserved” households in Champaign and Urbana, but to also provide high-speed fiber-optic connectivity to dozen of “anchor institutions” in the community.

The UC2B proposals for enhancing access to public computers and for increased education and technical training address real needs in the community and have the potential to create both educational and employment opportunities for our residents who need them the most.

We appear to be making good progress on finding a streamlined way to allow the University of Illinois to recycle its computers into the community, and by the time your grant funding is announced, we should have that process in place. Planning creative uses of computers and peripherals that can be recycled and rebuilt to meet the needs of the most vulnerable in our community is precisely the kind of innovation we need. I feel confident that there is a track record of partnership between the University of Illinois and the non-profits that serve children, seniors and low-income families with technology, and I applaud your work. The State of Illinois can and should support this effort by eliminating obstacles. I believe we can make policy changes that allow us to make computers ubiquitous and accessible, and create greater technology inclusion and opportunity for our community. It is these kinds of efforts that foster greater digital literacy for those who are underserved in Champaign-Urbana.

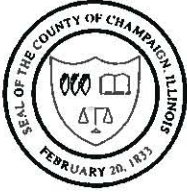


Through my past experience, I am confident that UC2B and the University of Illinois have the capacity to implement the proposed project successfully. Best of luck to you and the Urbana-Champaign Big Broadband (UC2B) Consortium as you finalize your grant applications. You have my full support.

Sincerely,

A handwritten signature in cursive script that reads "Naomi D. Jakobsson".

Naomi D. Jakobsson  
State Representative  
103<sup>rd</sup> District



## CHAMPAIGN COUNTY ADMINISTRATIVE SERVICES

1776 EAST WASHINGTON  
 URBANA, IL 61802  
 (217) 384-3776  
 (217) 384-3765 – PHYSICAL PLANT  
 (217) 384-3896 – FAX  
 (217) 384-3864 – TDD  
 Website: [www.co.champaign.il.us](http://www.co.champaign.il.us)

ADMINISTRATIVE SUPPORT  
 DATA PROCESSING  
 MICROGRAPHICS  
 PURCHASING  
 PHYSICAL PLANT  
 SALARY ADMINISTRATION

August 10, 2009

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

RE: Urbana-Champaign Big Broadband (UC2B) Proposal

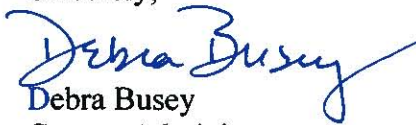
To Whom It May Concern:

I am writing on behalf of the Champaign County Board and citizens of Champaign County, to support the request for funding through the Federal American Recovery & Reinvestment Act through the NTIA BTOP grant and funding from the State of Illinois. The benefits to the various agencies and citizens of Champaign County that can be realized if this project is made possible through this funding are significant.

We are a community with a focus on technology and technology development, with a strong component of private sector representation in this area. This project brings an opportunity to enable public sector organizations to also become leaders in the development and utilization of technology, enhancing the benefits enjoyed by all organizations and private citizens. As our community focuses on emergency preparedness, this project provides an ability to develop inter-connectivity and back-up systems to enable seamless delivery of services, even in emergencies or unforeseen situations, by the numerous government entities delivering those services. Ultimately, this project will also work to bring technology to underserved citizens and families who do not currently have access to these services. This becomes a building block to enhance and sustain excellent educational and workforce development opportunities for our citizens and businesses.

We urge your positive support of the UC2B Proposal funding. Thank you.

Sincerely,

  
 Debra Busey  
 County Administrator



August 7, 2009

Mike Smeltzer  
 Director of Networking  
 Campus Information Technologies and Educational Services (CITES)  
 University of Illinois at Urbana-Champaign  
 2101 Digital Computer Laboratory, MC-256  
 1304 West Springfield Avenue  
 Urbana, Illinois 61801

RE: Support for Urbana-Champaign Big Broadband (UC2B)

Dear Mike:

On behalf of the Board of Trustees and the citizens of the Village of Savoy, I am pleased to submit this letter of support for the Urbana-Champaign Big Broadband (UC2B) seeking funding for stimulus funding through the Federal American Recovery and Reinvestment Act through the NTIA BTOP grant and funding from the State of Illinois. As our community continues to grow we see an increasing need to provide necessary opportunities for all families and local businesses in the area of internet, telephone and TV services that helps in communication capability and savings of funds.

As we understand the concept of the UC2B project we believe it will position Champaign-Urbana-Savoy and Champaign County to capitalize in many ways, particularly in community growth and economic development and will make the entire county a potential hotspot for technical and electronic opportunities in the Midwest.

We look forward to working with the consortium in the future to bringing all the benefits of Big Broadband to all citizens of Savoy and Champaign County. We urge the review committee to approve the UC2B application.

Sincerely,

A handwritten signature in black ink that reads "Robert C. McCleary".

Robert C. McCleary, Village President

CC: Board of Trustees  
 Richard Helton, Village Manager  
 Billie J. Krueger, Village Clerk

---

**PRESIDENT**  
 Robert C. McCleary

---

**TRUSTEES**  
 John P. Brown  
 Joan Dykstra  
 Jan Carter Niccum  
 Rebecca Pittman  
 Arthur J. Skelton  
 William A. Smith

---

**MANAGER**  
 Richard Helton

---

**TREASURER**  
 C. David Well

---

**CLERK**  
 Billie Jean Krueger

---

**DIRECTOR OF  
 PUBLIC WORKS/  
 ENGINEER**  
 Brent P. Maue

---

**ZONING  
 ADMINISTRATOR**  
 Daniel R. Davies

---

**FIRE CHIEF**  
 Michael E. Forrest

Broadband Technology Opportunities Program

Department of Commerce

Washington, DC

Dear Broadband Technology Opportunities Program:

For over eight years the City of Champaign, has disposed of its old computers that are non usable by means of donating equipment to a non-for-profit organization. Non usable equipment can either be used for spare parts or given to recycling company for proper disposal.

Through the City recycling process we will continue to donate computer's that the City has retired to organization within the community, i.e. the Retired & Senior Volunteer Program, Boys and girls club, Employment training center, Prairie net, and Parkland. We are bridging the gap with technology as a means of communication within our neighborhoods and communities. This program would open the doors for people and give people an opportunity to experience technology from a whole new prospective.

The community can provide the locations (churches, youth center, and community center) then UC2B could provide some full time staff, support technician and instructor. They would be responsible for the install, setup and maintains for the onsite computer lab center. UC2B would also provide user friendly computer and application classroom training. The local business would donate equipment.

The community has some sites that are used for Community center labs, after school center and summer labs with access to computer resources for some community. In the past these sites failed because that needed support technician to maintain the computers and provide instructors on hardware and software application on a regular basic. The funding from UC2B would be the glue that puts all the location, business organization, community and staff working together.



Brenda L. Reed

Network Technician

City of Champaign





Clara Lane 217/403-2050  
200 West Green Street FAX 217/403-2053  
Champaign, IL 61820-5193 champaign.org

August 4, 2009

Dr. Abdul Alkalimat  
Graduate School of Library and Information Science  
Room 102, MC-143  
102 West Nevada  
Urbana, IL 61801

Dear Dr. Alkalimat:

Enclosed please find my letter of support and a spreadsheet listing estimated costs for the initiatives for which we would like to request funding under the Broadband Technology Opportunities Program.

Our request totals \$290,500. A description of the projects are included in the letter of support.

Thank you for all you are doing to facilitate this important work for our community.

Sincerely,

A handwritten signature in blue ink that reads "Marsha Grove".

Marsha Grove  
Library Director



Clara Lane 217/403-2050  
200 West Green Street FAX 217/403-2053  
Champaign, IL 61820-5193 [champaign.org](http://champaign.org)

August 4, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear Sirs:

This letter is in support our library's participation in the local initiative, UC2B and the application for stimulus funding to improve our community's broadband infrastructure and utilization by citizens.

The Champaign Public Library is an integral part of the community, both for traditional library services and as a portal to the internet for thousands of users. The new main library building, opened in January 2008 and this past year almost 150,000 computer uses were made on the 88 public computers, which share a 10 Mbps connection to the internet. A wireless network extends internet access to users with personal laptops throughout the building, and typically hosts 50 to 70 people at any given time. Douglass Branch Library, a small branch building located in a neighborhood on the near north side of the City with a large minority population, offers 10 computers for adults and children and also hosts a wireless network. Connection speed at the Douglass Branch is only 1.4 Mbps. Both locations offer open computing time as well as classes and one-on-one assistance.

Recent use of the library has grown steadily. Over 800,000 people visited the library this past year, a 17.5% increase over 2008. During a recent week, typical of many during the year, almost 15,000 people visited the main library on Monday through Friday, and about 3,000 on Saturday and Sunday. At the Douglass Branch 1,200 visitors were counted Monday through Friday, and about 60 visited the Branch during the six hours it was open on Saturday. Computer use has also grown, from 97,213 sessions last year to 167,551 sessions in 2009. Customers tell us that library computer resources are vital to them in these difficult economic times. Many people are disconnecting their home internet services to save money, and rely on access at the library to search for jobs and conduct their personal business.

We believe this high and continually growing level of use is telling us that our residents consider the library as a convenient and necessary place in the community to access the internet. Libraries have always provided an important link from the individual to the wider world, and continue to do so today, using online resources.



Clara Lane 217/403-2050  
200 West Green Street FAX 217/403-2053  
Champaign, IL 61820-5193 [champaign.org](http://champaign.org)

Children must learn computer and online skills in order to be successful in school and to prepare for employment in today's highly technological job market. Libraries can help fill the gap for children who do not have easy access to computers, or assistance in learning to use them. Our Douglass Branch, in particular, has a critical role in offering computers and internet access to the minority children in its neighborhood whose test scores show that they are lagging in these important skills. The Champaign Public Library would like to expand its resources and programs and its ability to collaborate with other community groups to close the achievement gap in this area.

The Champaign Public Library would use a stimulus award for the following:

- Expand our computing center at the Douglass Branch with the addition of 10 traditional desktop computers and renovated space to house them. We would also add 10 laptops or other portable devices to be used in the building with our wireless network or for stand-alone tasks. Estimated cost for the equipment, additional educational software and online resources, network infrastructure, building renovations, and furniture needed to accomplish this expansion is \$150,000.
- Provide 10 laptops and 10 additional mobile devices such as e-book readers, web ready cellphones, etc. for use in the main library. These mobile devices would be used by patrons in all parts of the building and would be particularly useful for caregivers who are watching over small children, or for parents working with their children at study tables or in study rooms away from the traditional computer area. The equipment would also allow patrons to try out the newest technologies to help with their decision to purchase. Estimated cost: \$25,000.
- Purchase 10 laptops to create a portable computer lab for library staff or other organizations to use to present programs or instruction. Estimated cost: \$15,500.
- Hire two full-time technical assistants who would teach classes in computer and internet use, help train staff and customers, and assist with the maintenance of the added equipment. Cost including salary and benefits: Estimated cost: \$100,000 annually.

The Champaign Library is grateful for the opportunity to propose these projects that would greatly expand our ability to meet community need and demand for computing resources. The Library would be able to contribute the required 20% matching funds (\$58,100) using its capital fund resources.

Sincerely,

A handwritten signature in black ink that reads "Marsha Grove".

Marsha Grove  
Library Director





Clara Lane  
 200 West Green Street  
 Champaign, IL 61820-5193  
 217/403-2050  
 FAX 217/403-2053  
 champaign.org

<b>Douglass Branch Library</b>	
<b>Item</b>	<b>Total</b>
Add'l computers	\$ 12,500.00
Building renovation for a computer lab	\$ 95,000.00
Network Infrastructure upgrades (replace router, switches, server)	\$ 20,000.00
Inhouse Loaner Laptops or other portable devices	\$ 12,500.00
Security System with cameras covering the computer lab	\$ 10,000.00
	<b>Total \$ 150,000.00</b>

<b>Main Library Building</b>	
<b>Item</b>	<b>Total</b>
Inhouse loaner laptops or other portable devices	\$ 25,000.00
	<b>Total \$ 25,000.00</b>

<b>Portable computer lab</b>	
<b>Item</b>	<b>Total</b>
Laptops, printer, switch	\$ 13,500.00
Laptop houseing cart	\$ 2,000.00
	<b>Total \$ 15,500.00</b>

<b>Full time staff</b>	
2 Additional technical assistants	\$ 75,000.00
Benefits	\$ 25,000.00
	<b>Total \$ 100,000.00</b>

Total Requested **\$ 290,500.00**



# The Urbana Free Library

---

210 West Green Street, Urbana, Illinois 61801-5326 • 217/367-4057 • FAX: 217/367-4061 • [urbanafreelibrary.org](http://urbanafreelibrary.org)

August 10, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear colleagues:

The Urbana Free Library is an eager participant in the UC2B joint proposal from the University of Illinois and the cities of Urbana and Champaign. We are a popular, busy public library, visibly serving people across the wide economic, educational, and cultural spectrum reflected in our community's School Report Card and Census demographics.

Like most public libraries, ours has a heavily utilized public computer center. In the fiscal year ending June 30, we recorded 107,644 computer sessions. Our computer users typically have either no computers/printers or no Internet access or slow Internet access at home.

We currently have 44 public computers with full Internet access, and we could use more. We particularly need laptops to extend service when the lab is full, in departments where library floor space limits additional desktops, for small group and individualized instruction in our study rooms, for community-building group projects, and for offsite outreach and technology education.

Our biggest need is for more staffing to help the public. We are experiencing two trends. We serve increasing numbers of people, displaced from their jobs, who need computers or assistance to apply for jobs or for government programs. We serve increasing numbers of people who need information or help for a tech-related activity, such as turning on their wireless or downloading free software. These are staff-intensive needs.

With stimulus money, our library aspires to have increased technology training for our staff and volunteers, extra staff dedicated solely to the computer center, staff available for one-on-one assistance when needed, a core of classes on basic technology topics, and staff outreach to offsite locations within the community. The library's initial focus must be on meeting the needs of low-skill technology users, with eventual growth toward technology projects that can stimulate community activity and economic development.

The library is well-supported by our City, but nevertheless struggles to stay ahead of public demand. Approximately half of our public Internet computers were replaced last year, and half are five years old. Our service desks are staffed all 70 hours per week that the library is open, but librarians simultaneously handle phone and walk-in requests for information while helping those with technology needs in the lab.

Broadband Technology Opportunities Program  
The Urbana Free Library, UC2B support letter  
Page 2

The Urbana Free Library strongly supports the UC2B grant application. As a community, Urbana-Champaign has much to recommend it.

There is strong history of technology leadership and vision with outstanding examples in the National Center for Supercomputing Applications and the Beckman Institute for Advanced Science and Technology at the University of Illinois and the Graduate School of Library and Information Science program in Community Informatics and its precursor, the Prairienet Community Network.

There is a strong history of grass-roots citizen advocacy and volunteer involvement evidenced in such diverse projects as the Independent Media Center, Books for Prisoners, the Crisis Nursery that offers emergency childcare and support to families in need, Champaign County Health Care Consumers, and the CASA (Court Appointed Special Advocate) program that represents abused and neglected children in the courts.

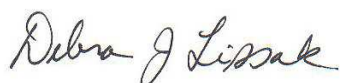
There is a strong history of inter-agency cooperation, encompassing everything from libraries that offer reciprocal service to those from other communities; to programming available on local public access television; to joint technology projects between cities, county, and schools; to the university's civic engagement initiatives which bring their expertise to off-campus programming for the general public.

Finally, the Urbana-Champaign community boasts strong, established supporting organizations whose commitment to advancing technology is evident in their own current activities.

The UC2B grant will help all of us cross the initial investment in infrastructure, not just equipment and fiber infrastructure, but also the people infrastructure necessary to minimize inefficient, expensive duplication of training and development.

This community has a track record that portends well for both effective deployment of broadband access and continued local commitment.

Sincerely,



Debra Lissak  
Executive Director



**DON MOYER  
BOYS & GIRLS CLUB**

August 10, 2009

Officers  
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*President*

Jane Solon  
*Vice-President*

James Richardson  
*Treasurer*

Gary Kling  
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Tara Swearingen  
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Joseph Smith  
Kenneth Stratton+  
Clarence Thompson+

+Deceased

Executive Director  
André Arrington

To Whom It May Concern:

The Don Moyer Boys & Girls Club is please to submit this letter of support to the Urbana-Champaign Big Broadband Initiative. This initiative could have major impact on the digital divide in the most impoverished areas of the Champaign-Urbana community.

The Don Moyer Boys & Girls Club serves over 1,500 youth annually, of which over 80% of our youth are from economically disadvantage circumstances (based on the standards of median income for the cities of Champaign and Urbana) and 93% are from single parent households.

Our organization has two computer labs providing our members with high speed Internet and as well quality technology. We also provide technology classes for youth in the areas of Microsoft applications, music and media.

That is why Don Moyer Boys & Girls Club supports this initiative. It allows the most economically challenged areas as well as citizens to have access to one of the most needed resources in order to be competitive in the global market place.

Sincerely,

André Arrington  
Executive Director

AA/vh



Urbana Champaign Independent Media Center  
202 S. Broadway Avenue Suite 100  
Urbana, IL 61801

To Whom It May Concern:

The Urbana Champaign Independent Media Center (UCIMC) supports the University of Illinois at Urbana-Champaign's UC2B Proposal to establish broadband access to bridge the digital divide, grow broadband adoption, and provide outreach and training to the most underserved residents in our community.

Founded in 2000, the UCIMC's mission is to foster the creation and distribution of media and art emphasizing underrepresented voices and perspectives and to promote empowerment and expression through media and arts education. To this end, the UCIMC owns and operates 30,000 square foot a Community Media and Arts Center in the center of downtown Urbana. Our center houses a community radio station, performance space where performers can broadcast live and over radio and internet, media production and training facility with media equipment for check out, an art gallery, and a numerous artist studio and teaching spaces.

The UCIMC is a volunteer based organization with 1200 active volunteers logging 61,250 hours and serving 65 organizations and 284,002 members of the public in 2008. UCIMC provides free community web hosting and listservs to 204 organizations, such as the Volunteer Illini and Red Cross. Our programs serve a variety of ages, and are targeted towards populations underrepresented in the media such as African-Americans, Latinos, new Americans, youth, and the working poor. Our center is open to the public. All of our services are on a donation-only basis.

Some of our recent projects involve designing a computer training facility for the Boys and Girls Club and a media training program at Ready Drop Out Prevention Program, and hosting an Indy Media and Arts Lab for Youth.

UCIMC developed CUWiN (cuwireless.net), an internationally recognized leader in open source mesh network software. Our team deployed the first wifi network in Champaign-Urbana as well as places such as rural Homer, Illinois, the tribal lands of the Mesa Grande Reservation, and the townships of South Africa.

This project will boost the capacity of the UCIMC to serve area organizations and members of the public as one of the community's technology center hubs. With BTOP support, the UCIMC will be able to greatly expand the number of people we serve. The UCIMC currently serves 16 computers, 22 offices, 78 websites, and 204 listservs off of a single cable connection! No additional services can be provided and the current ones are in jeopardy without additional broadband.

We will upgrade our media production lab, establish a fully functional public access computer lab, and provide community web hosting and listservs to many more organizations.

Champaign-Urbana has been a model of community involvement in the application process. UCIMC and other CTC's have participated in the creation of and served on the Broadband Access Committee, which held 3 well attended public forums to educate the public on broadband opportunities and gather input for the application. We created 6 writing teams, tapping the expertise of the community in areas such as job creation, public access computing, and network operations.

CUOpenAccess.org was formed as a coalition of community partners. These partners put dozens of foot soldiers put on the street to collect over 500 surveys on broadband needs. Over a dozen radio shows on broadband access have been produced. And the community is jazzed about the possibilities opened up by a community owned and controlled network.

Adelante!

*Danielle Chynoweth*

Danielle Chynoweth  
Grants Coordinator  
Urbana Champaign Independent Media Center  
[chyn@ucimc.org](mailto:chyn@ucimc.org)  
217-344-8820

# Champaign-Urbana Open Access Coalition

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

August 11, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear BTOP Selection Committee,

On behalf of the Champaign-Urbana Open Access Coalition, I would like to submit a letter of support for the Broadband Technology Opportunity Program proposal that is being put forth by UC2B. For the past several months, we have been working to provide education and information about broadband technology access, and the opportunities it affords in partnership with our Broadband Access Committee, a subcommittee of the C-U Telecommunications Commission, the Graduate School of Library & Information Science at the University of Illinois and UC2B.

As our website indicates, we are an emerging inclusive coalition of community organizations and individuals who are exploring the possibilities of open access to broadband and digital inclusion within Champaign-Urbana, focusing on low-income and surrounding rural communities. Our outreach efforts and maintenance of a community portal is designed to foster communication and information exchange as this process develops, with the intent of organizing access that is open, affordable (or free) to neighborhoods in C-U that are currently underserved.

Over the course of the past six months, we have co-sponsored a series of community forums focused on closing the digital divide in our community that have attracted well over a hundred attendees comprised of educators, technology advocates, IT professionals and community organizers who work with marginalized neighborhoods. We have also spent considerable time on our local radio station, WEFT 90.1 talking about the possibilities that broadband can provide to young people, seniors and the creative class in our community – all to positive response. In the process of generating grassroots awareness, we have helped to harness the imagination of the residents of Champaign-Urbana about how we can create and sustain a more connected community.

We live in a part of the country that has the potential to pilot amazing results, leveraging the power of the Coalition members – from the largest Independent Media Center in the United States, to our Food Co-operative that can teach children about the slow food movement and healthy lifestyles in their online education programs with the school districts. Our members are world-class computer programmers, entrepreneurs, church members and social workers. We bring a breadth of skills and talents to this proposal, and we will be the foot soldiers that can make job creation and entrepreneurship come to life with a gentle push from the Stimulus Bill. We hope you will take seriously our letter and our coalition members as evidence of our readiness to innovate and create results.

Sincerely,

*Safiya*

Safiya U. Noble, Webmaster & Organizer

Champaign-Urbana Open Access Coalition

Safiya Umoja Noble, Organizer

Phone: 217.819.7648 • E-Mail: [cuopenaccess@gmail.com](mailto:cuopenaccess@gmail.com)



**Member List: Individuals**

Akua Akyaa Agyeman  
Abdul Alkalimat  
Laura Allured  
Heather Ault  
Damon Loren Baker  
Trish Barker  
Imani Bazell  
Nancy Benson  
Eric Benson  
Lisa Bievenue  
Dan Blah  
Brandon Bowersox  
Jack Brighton  
david miles brown  
Debbie Cassels  
Camille Chesley  
Allison Clark  
Catherine R Dorsey  
Marianne Downey  
Brian Duggan  
Mary Ellen Farrell  
Jon Gant  
David Gehrig  
Jeff Ginger  
David Glynn  
Saramanda Goodwin  
Paolo P. Gujilde  
Christopher Paul Hamb  
Sharon Irish  
Sharif Islam  
Sarah Jackman  
Eric Jakobsson  
Meadow Jones

**Member List: Individuals**

Adam Kehoe  
Kristin LoDolce  
Brian Looker  
Aysha McWorter  
Ryann and Chris Monahan  
Safiya Umoja Noble  
Otis Noble III  
Andrew Ó Baoill  
Lori Gold Patterson  
Maya Patterson  
Pete Resnick  
Kathleen Ricker  
Chris Ritzo  
Elizabeth Simpson  
Michael Smeltzer  
Krannert Center  
Jonathan Storm  
Aiko Takazawa  
Evelyne Tardy  
Umesh Thakkar  
Mary Wilkes Towner  
Mike Ullmann  
Rev.Dr. Evelyn B.  
Underwood  
Anna Ustupski  
Marti Wilkinson  
Kate Williams  
Andrew Zimmerer  
Jason Keist  
Josh King  
Stuart Laird  
Noah Lenstra  
John Lewis

**Member List: Organizations**

A Woman's Fund Inc.  
Acorn Active Media Foundation  
Brian Bell Parkland College DCEO  
grant coordinator  
Chambana.net  
Champaign County Black Chamber  
of Commerce  
Common Ground Food Co-op  
CUontheNet.net  
CUWiN Foundation  
Digital Workforce Education  
Don Moyer Boys & Girls  
Club/Crosspoint Human Services  
Graduate School of Library &  
Information Science (GSLIS) at Illinois  
International Brotherhood of Electrical  
Workers Local #601  
Metanoia Centers  
Muslim American Society (MAS)  
Urbana-Champaign Chapter  
OJC Technologies  
Open-Source Wireless Coalition  
Parkland College Community  
Education  
Restoration Urban Ministries  
SisterNet  
University of Illinois Community  
Informatics Lab  
Urbana-Champaign Independent  
Media Center

# CUontheNET.net

121 Goose Alley, Urbana, IL 61801

217.34.0444 tel • 217.278.7171 fax • [www.cuonthenet.net](http://www.cuonthenet.net)

August 5, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear BTOP Selection Committee,

CUontheNet would like to express its energetic support of UC2B's Big Broadband proposal. Numerous CUontheNet organizers and participants have been instrumental in the months of research, community organizing, conceptualization, and collaboration that have resulted in UC2B's proposal.

CUontheNet's mission is as follows: We are a charitable non-profit organization focused on providing technology access to underserved and low-income communities, including the possibilities of open access to broadband and digital inclusion within Champaign-Urbana, IL. Our group provides services that include education, training, equipment repair, consulting, internet services, replacement resources, and software development. As such, we are specifically poised to support UC2B in several facets of the implementation, operation, and sustainability of the Champaign-Urbana Big Broadband technology.

CUontheNet was born out of a local technology consulting company, OJC Technologies, which has been collaborating with the University of Illinois, PrairieNet, the Urban League, the Boys & Girls Club, the Housing Authority of Champaign County, and many other local advocates for underserved populations for the past 11 years. Specifically, we have supported the technical installation of numerous Computer Technology Centers, provided ongoing technical assistance to Centers in order for them to remain in top working order, provided basic computer usage training to youth as well as senior populations, and taught free computer programming classes to motivated citizens. In addition, OJC Technologies has operated an internet and phone based Support Center for hundreds of thousands of internet software users. Our Support Center offers a vast range of support from end user support for new software users to highly technical support for System Administration staff. We have served as the development home of the Champaign-Urbana Wireless Network (CUWIN), which created free community wireless networking software used by networks around the globe, from Hurricane Katrina to rural Africa, to inner city Chicago. CUontheNet has access to the full range of services, experience, staff, and resources of OJC Technologies.

In addition to engineering and technology professionals, CUontheNet includes Education, Policy and Instruction, Online Learning, and Library and Information Science researchers and Professors. Our participants have decades of experience in understanding technology cultures and the barriers of entry, and have developed numerous community based programs in order to broaden the engagement of underserved populations. Some of our work has focused on teaching young people how to use media technology to take control of the archived data of their communities, by researching and publishing the experiences of their elders. Our team includes culturally relevant expertise to engage disadvantaged populations.

We encourage the BTOP Selection Committee to choose the proposed Urbana-Champaign UC2B project to serve as a model for fast broadband adoption in urban communities. We believe that fast broadband will transform the capabilities of our community organizations and transform the lives of our residents—every child in our schools, every blue collar worker wanting to upgrade their skills, and every University researcher seeking richer online global collaboration.

We intend to contribute to the successful, community-wide adoption of fast broadband technology to bridge the digital divide and provide job opportunities and knowledge to every part of our community. We're a smart, connected group of people ready to do anything that's needed to shepherd this project to success—remotely connect and manage all community labs, develop software, develop culturally relevant education and marketing efforts to ensure successful, long-term adoption by the intended market, develop and conduct training events. We believe the strong network of organizations and partners in Urbana-Champaign makes this an ideal model project.

Thank you in advance for considering the model that Champaign-Urbana can be in developing a model city and series of programs for the entire nation. We feel confident that we know how to disseminate and share learning from our UC2B collaboration in an open-source fashion that will allow others to learn and implement our best practices.

Sincerely,

Lori Patterson, Board Chair, CUontheNet.net  
& CEO, OJC Technologies

# *Champaign Urbana Area Project*



514B N. NEIL STREET • CHAMPAIGN, IL 61820 • PH: 217.373.2827 • FAX: 217.373.5013 • WEB: WWW.CUAPWEB.ORG

August 7, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear friends:

I am writing to express my strong support for the Urbana Champaign Big Broadband (UC2B) initiative. This project is a key component in breaking cycles of poverty and in beginning to reverse a trend of historical disparities in Champaign-Urbana that has been catastrophic for the under served and predominantly African-American areas of Champaign and Urbana, in particular the "North End."

The Champaign-Urbana Area Project (CUAP) has worked for nearly 20 years in what has been termed the "North End" serving low-income families and under served youth. Many of our youth and their families' that we serve opportunities and resources are scarce and limited. CUAP seek ways to collaborate with the community and especially the University of Illinois to assist with their needs. The UC2B initiative is exciting and would be a complement to work that is currently being shared by CUAP and the University of Illinois Graduate School of Library and Information Sciences, Community Informatics "Engaging and Empowering Youth (E2Y) Initiative. The E2Y initiative involves African American youth in a year-long community asset mapping and engagement project. Technology provided by E2Y allows the youth mappers to post their asset findings to their own website and Google maps at the University School of Library and Information Science building. Use of this state of the art technology would not be possible if not for the partnership between CUAP and the University of Illinois.

CUAP is a social justice and community organizing agency in Champaign County. CUAP's primary mission focuses upon juvenile delinquency prevention. We take a holistic approach to our work, attempting to identify and remove the underlying sources of delinquency. In our work, we have specifically observed:

1. Youth constantly call out for positive opportunities, including jobs, job training, and a safe teen center in their neighborhoods.
2. Youth getting into trouble have a limited view of the world. Many have not been exposed to areas outside of their own neighborhood.
3. Youth getting into trouble also have parents who were in trouble, have health problems, and/or are unemployed.

UC2B is not the answer to all of our community's problems, but it is a very good start. Through UC2B, youth and their parents will have access to training in technology that will help them to get jobs. Broadband access, and the knowledge of how to make use of it, will expose our area's youth to a world of ideas and opportunities that they are currently blind to. Moreover, CUAP intends to work with UC2B to ensure that the community technology center planned in northern Champaign-Urbana is built in conjunction with a youth center. CUAP will also assist with the organization of UC2B's Community Advisory Board, ensuring that the neighborhoods that UC2B intends to serve are adequately represented. As Vice President of the Champaign County Black Chamber of Commerce, I will ensure that the community is connected with the business incubator and entrepreneurship programs that will be part of UC2B.

Sincerely,

Patricia Avery  
Executive Director



404 W. Church St.  
Champaign, IL 61820-3411  
tel 217.352.5151  
fax 217.352.6494  
www.uwayhelps.org



Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

August 7, 2009

To Whom It May Concern:

We are writing to you on behalf of United Way of Champaign County, Illinois. The mission of United Way is to be the leader in mobilizing resources to meet human care needs in Champaign County. In that capacity we have consulted with the UC2B grant writing team at the University of Illinois to explore the many ways that bringing broadband will benefit underserved families in Champaign-Urbana. We know that there are an excess of 24,000 individuals living at or below the poverty level in Champaign County and a large portion of these individuals live in the neighborhoods where expanded access is being proposed. We would endorse not only increased access for families, especially those with school age children but also strongly support expanded broadband access available to the public in places like libraries, community centers and social service organizations.

Expanded Broadband access could not only be a source of information about services available to meet basic needs (food pantries, health care, counseling, shelters), but could also be used for education and training. Parent education, school readiness, homework assistance, financial literacy are but a few of the topics that could be made available to families in need. In attempting to expand access for individuals and families with limited resources it will be critical to address issues related to the exploitation of the economically disadvantaged. Of particular importance will be protecting children from internet predators and protecting families and senior citizens from identity theft and other internet scams.

United Way of Champaign County provides funding to 35 social service agencies in Champaign County. We convene monthly meetings of the Executive Directors of these organizations and can provide a direct communication opportunity between the UC2B staff and the organizations that are serving the population targeted in this proposal.

United Way of Champaign County supports the efforts of the UC2B staff and their proposal for broadband expansion in Champaign Urbana. If you need further information please feel free to contact us.

Sincerely,

A handwritten signature in blue ink that reads "Lyn Jones". The signature is fluid and cursive, with a long, sweeping tail that extends to the right.

Lyn Jones

President and CEO

# Bethel African Methodist Episcopal Church

Street Address  
401 East Park Street  
Champaign, Illinois 61820

Mailing Address  
P. O. Box 334  
Champaign, Illinois 61824-0334

Phone: (217) 356-0323

Fax: (217) 356-0483

email: bethelame401@sbcglobal.net

Rev. Tyson J. Parks  
Illinois Conference  
North District Presiding Elder



The Rt. Rev. John R. Bryant  
Fourth Episcopal District  
Presiding Bishop

Rev. Larry Lewis, Pastor

August 10, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

To Whom It May Concern:

Bethel African Methodist Church (A.M.E.) writes this letter in support of the UC2B broadband application. Bethel A.M.E. church has several outreach ministries to the local community. We also allow our building to be utilized for community meetings and for non profit groups who work with disadvantaged youth. In the past, we have had a mentoring program, a cooking program, and an after-school tutoring program operating out of our facility. We would be able as a community lab to greatly increase the hours that our facility can be used for community services. We have a small lab but very limited access to the internet.

A high speed broadband connection would help the children in our immediate community to do their homework on line, and to access the vast resources of the internet. We would also open the facility to senior citizens who may not have ready access and or training in how to utilize resources on the internet.

The programs and services that our facility could house and advance would be able to grow to meet the demands of our youth and our seniors. For these reasons, we highly and enthusiastically support the UC2B proposal.

Respectfully,

*Nathan Banks on behalf of  
Reverend Larry Lewis*  
Reverend Larry Lewis  
Pastor, Bethel A.M.E. Church

***Letter of Support for***  
**Urbana-Champaign Big Broadband Initiative**  
**Central Illinois Mosque and Islamic Center**  
**(CIMIC)**

**Preface:**

As a community center, we fully support the UC2B initiative esp. with an eye towards closing the digital divide and empowering local communities in domains such as information dissemination, community education, digital literacy, preparing people for new technology jobs, and effective organization.

**CIMIC as a community resource:**

CIMIC is not just a community center for those of Islamic faith in the East-Central Illinois region. We have served as a resource center for all people of Urbana-Champaign. We have had long-standing links with diverse local entities, including but not limited to churches, colleges, universities, and social justice organizations. We host class visits for various classes from Univ. of Illinois, Eastern Illinois University, Parkland College, Lincoln Christian College and others. The library on our premises has been a community resource for anybody living in Urbana-Champaign. Members of our Outreach Committee have conducted cultural and religious sensitivity workshops for local law enforcement agencies. These are just a few examples of the spectrum of activities in which CIMIC engages.

**CIMIC and Internet Usage:**

CIMIC took full advantage of Internet and Web in general and Prairienet services in particular to effectively organize the community. Examples include:

1. We have had mailing lists for our community members since about 1994. At this point we have 4 different mailing lists, with another 2 to come online soon.
2. Our website came online around 1996 and is one of the first websites of any mosque in the world.
3. We created forms on our website so that people can send in requests. For example, chaplains in prisons across Illinois use these forms to contact us to send them literature for inmates.
4. We started archiving our materials online so that a sense of institutional memory can be created. This is very important given that we have a high turnover in our community, being primarily a student community.

5. We used email aliasing services to effectively devolve responsibilities over our volunteer base.
6. We provide wireless access across our premises.

**CIMIC's proposal to be a public computing center:**

CIMIC has an abiding interest in being a public computing center as envisioned in the UC2B initiative. Here are the activities we envision instituting at our center if we were to have broadband access and a few desktop machines:

1. Provide interactive material for class visits from colleges and universities in the area.
2. Provide a venue for members to brush-up on their technology skills in general and computer usage skills in particular. We have often our members asking for opportunity to learn word-processing, spreadsheet skills, etc. We will be able to meet this need with this initiative.
3. Provide facility to have lectures and community events at our site recorded and available for download or streaming over the web.
4. We can have more events where the speakers are speaking through tele-conferencing calls and links.
5. Provide tutoring services for students at school and college level.
6. Provide internet access to community members who lack internet access at home, esp. students who need internet access for their school work.

Outreach and Internet Committees

Central Illinois Mosque and Islamic Center (CIMIC)

106 S. Lincoln Ave.

Urbana, IL 61801.

[cimic@cimic.org](mailto:cimic@cimic.org)

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



Muslim American Society (MAS)  
Urbana-Champaign Chapter  
P.O. Box 331, Urbana, IL 61803-0331  
[www.masurbana-champaign.org](http://www.masurbana-champaign.org)



August 17<sup>th</sup>, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Subject: Urbana-Champaign Big Broadband (UC2B) – Public Computing and Sustainability

Dear members of Broadband Technology Opportunities Program,

I am writing to express the willingness of Urbana-Champaign chapter of Muslim American Society (MAS-UC) to participate in UC2B Public Computing and Sustainability project by providing a spacious space in our new Community Club as a public computer center. We believe that through UC2B program, MAS-UC will significantly expand its abilities to fulfill its goals of serving Urbana-Champaign community.

Urbana-Champaign chapter of Muslim American Society (MAS-UC) was established in 2007 as a grassroots community organization that works to educate, organize, and empower the Muslim community to be active, contributing citizens who play a significant role towards positive social and spiritual change. MAS-UC acquired the new Community Club, located in 2011 Brownfield Rd Urbana, in March 2009, which has designated spaces for different community services, which include food bank, fitness center, as well as technology and educational center. For more information about the Community Club, please visit our website at [www.masurbana-champaign.org](http://www.masurbana-champaign.org).

We started requesting used computers and software packages from the cities of Urbana and Champaign to furnish the technology and educational center. The planned objective of this center is to help developing the underserved community around the Community Club by providing a group of educational classes such as language, computer literacy, and technology training. MAS-UC is concerned about the sustainability of underserved and poor neighborhoods in Champaign because of their inability to develop and improve to have the chance for better futures. By getting involved in UC2B, MAS-UC will be able to support the objectives of this center through the utilization of broad band connectivity and the coordination with UC2B staff and participants.

MAS-UC is really excited and motivated to participate in UC2B. We are looking forward for your acceptance of this participation request to help us fulfill the objective of serving our community. We will be glad to submit any additional information for the review of this request.

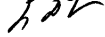
Best regards

Ahmed Taha

President  
Urbana-Champaign Chapter of  
Muslim American Society (MAS-UC)  
P.O. Box 331, Urbana, IL 61803-0331  
Phone: 630-217-2778  
Email: [president@masurbana-champaign.org](mailto:president@masurbana-champaign.org)

Broadband endorsement

Page 1 of 1

**From:** slewislarry@aol.com   
**To:** mcworter@illinois.edc  
**Cc:** brodoc99@yahoo.com; kingjames5804@att.net; kingjames5804@att.net  
**Bcc:** Slewislarry@aol.com  
**Subject:** Broadband endorsement  
**Date:** Mon, Aug 3, 2009 8:36 am

---

Brother Abdul Alkalimat (Gerald A. McWorter)

We would like to thank you for taking the time to attend our meeting on Saturday, August 1, 2009 and sharing with the Ministerial Alliance the latest information on Broadband and how it will impact our community. We realize that we are living in an ever changing and technological world where we are trying to do everything faster and better. The Broadband proposed project is designed to build fiber "rings" around the community, linking schools, hospitals and other key resources. It is also designed to help make connections to homes in areas considered undeserved or vulnerable. We find this to be a very key component of your proposal that we can embrace. However, we do have some concerns on how this proposal will eventually affect property tax on the North side of the city of Champaign - Urbana; whether the University of Illinois in the capacity of the server for the Broadband proposal will annex our community, displacing the minority and lower social economical residents, and how the proposal will affect First Amendment protection when it come the separation of church and state. Notwithstanding our concerns, overall, we find the Broadband proposal very beneficial to our community and it is the consensus of the Ministerial Alliance of Champaign - Urbana and Vicinity to endorse the Broadband proposal.



August 4, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

To Whom It May Concern:

I am writing to explain our participation in the UC2B project. Developmental Services Center (DSC), located in Champaign, Illinois, is dedicated to the mission of **enhancing the lives of persons with disabilities by providing services and supports which enable them to live, work, learn and participate in their communities.** Formed through a 1972 merger of four community organizations, DSC provides multiple services in Champaign, Ford, Iroquois, and Piatt counties. Annually DSC serves over 1,400 children and adults with developmental disabilities such as epilepsy, cerebral palsy, autism, mental retardation, Down syndrome, or other disabling conditions.

Currently our technology is limited to the areas described below:

- Our main location has Internet access through a T-1 line.
  - Our Consumer (preferred term for individuals receiving services at DSC) Computer Lab has access through the T-1 line as well. This lab includes many computer assisted devices such as touch screens, enlarged mouse, Braille keyboards and printers, enlarged keyboards and adjustable computer tables to accommodate individuals who rely on a wheelchair for mobility as well as many different types of software.
- Our group homes and 24-unit apartment building, located throughout the community, have limited access through cable for staff members only.
- Our satellite sites, located in Champaign and Rantoul, have Internet access through a T-1 line.

The primary ways in which we use the technology currently available to us includes email, Internet browsing/information gathering/learning opportunities. In addition to our current uses, we would like to have the

capacity to create a better, more interactive website which can be used by those interested in learning more about DSC and our donors. Additionally, we would like to have greater compatibility between sites, the option for live video-conferencing and interactive conferencing.

In providing services and supports for individuals with disabilities, it is our goal to offer them the same technological resources that people who do not have a disability have come to enjoy. Often times, individuals with disabilities may have a greater need for technology due to lack of opportunities for socialization, family contact, information required for city bus routes, information gathering for where specific items are offered due to difficulty with mobility and lack of resources to get around town; coupled with this greater need, is often greater difficulty in accessing technology.

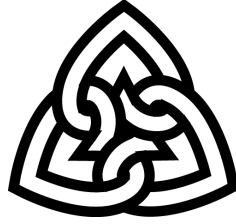
We are excited about the possibility of collaborating with the UC2B effort. This would provide additional resources and opportunities for the individuals we serve as well as many other under-served citizens in our community. The more inter-connected we become, the stronger the fabric of our community.

Thank you for the opportunity to collaborate on this project. If you have any additional questions, please feel free to contact me directly at 217.398.7110 or [jmcateer@dsc-illinois.org](mailto:jmcateer@dsc-illinois.org).

Sincerely,

*Janice McAteer*

Janice McAteer  
Director of Development  
Developmental Services Center  
1304 W. Bradley Ave.  
Champaign, IL 61821



A Woman's Fund  
*Ending Violence Everyday*

July 30, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear BTOP:

I am writing to explain A Woman's Fund's participation in UC2B. A Woman's Fund provides services to victims of domestic violence and sexual assault. A Woman's Place, our domestic violence program, offers comprehensive assistance to victims of domestic violence. Adults and children in crisis are assisted in gaining control of their lives and in seeking a healthy environment free from abuse and violence. They are given information and counseling and are supported in making their own decisions about their lives.

One in every four women will experience domestic violence in her lifetime. Adults and children escaping domestic violence situations may stay on an emergency basis, for a few days or up to 6-8 weeks, depending on their needs. This time is used to begin the healing process and to make decisions about the future. Some women need shelter and support for a longer period of time while they gather the resources or develop the skills needed to live independently. Qualifying women and children may participate in the Families in Transition program. Women and children in this program may live in our facility for up to two years.

Currently we have one computer available for client use. Clients utilize this computer to search for jobs, fill out job applications, hunt for apartments, check their credit reports, contact friends and family in their support system, and check email. Children are not allowed access to the client computer as we do not have the resources to limit their activity and monitor their actions. Ultimately we would like to have a computer lab with up to date PCs, printers, and high-speed internet access. This would reduce time limits imposed and give clients more opportunities to use a computer as needed.

1304 E. Main St., Urbana, IL 61802 ♥ (217) 384-4462

We often have volunteer groups that come in and host resume writing workshops. It is difficult for them to work with a group of clients as we only we only have one computer workstation. A computer lab would benefit our clients in many ways. Potentially, the UC2B project could help us build a computer lab which would provide our clients with increased computer and high-speed internet access. Our IT staff member would be available to work closely UC2B staff to ensure that the computer lab is running smoothly and that all machines are functioning properly.

The UC2B project would directly benefit our clients. Increased computer access would provide them with resources (job applications, apartment applications, etc) to better their lives and stand on their own two feet. We are excited at the possibilities that this project can offer not only to our clients, but to the Champaign-Urbana community as a whole.

Sincerely,

Tara Bossert

Human Resources Coordinator



August 3, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, D.C.

Re: Letter of Support for Urbana-Champaign Big Broadband (UC2B)

Dear Friends:

On behalf of The Center for Women in Transition, I am writing in support of UC2B.

The Center for Women in Transition, located in Champaign, IL, is a transitional housing program providing shelter and supportive services to homeless women and their children to foster and sustain their self-sufficiency. We also have a Vocational Training Program at our off-site resale store, *Transitions*, for our residents and women on parole from the Department of Corrections. Both of these groups are disadvantaged, due to social, economic and educational background, as well as other factors, in their ability to access and utilize the internet.

As part of the individualized goal plan for each resident, the agency provides computers and access to the internet to enhance a resident's ability to access local resources, schooling and on-line job searches, as well as using e-mail to communicate with her natural support system. The Vocational Training Program also relies heavily on the use of computers and the internet for employability development and access to community resources.

The computers we provide to our residents for their use are donated equipment, several generations old, and we do not have adequate staff to train our residents on computer software which could be used for writing resumes, completing school projects and on-line searches for resources and jobs. Newer computers and improved broadband service as well as IT and support staff to assist residents in maximizing the internet as a resource would be invaluable.

Additionally, provision of IT and support staff to the agency for development of agency materials on-line, such as newsletters, brochures, website, would significantly improve our ability to reach out to more potential clients and to better educate the community on the issues of homelessness. The UC2B would also streamline communications between local agencies and service providers to ensure complete and coordinated service coverage for the disadvantaged in our community.

Thank you for your consideration of this letter of support.

Sincerely,

John Sullivan, Executive Director  
(217) 819-4611 (DL)  
johnsullivan@cwt-cu.org  
The Center for Women in Transition  
508 E. Church Street  
Champaign, IL 61820





*"My parents were always philosophizing  
about how to bring about change.  
To me, people who didn't try to make  
the world a better place were strange."  
C.M. Braun*

August 10, 2009

Dear UC2B Proposal Team,

I am pleased to write to you in support of our community's application for broadband infrastructure, education and development funding. As a community-based African American women's network, we are particularly excited about the opportunity to work with you toward technological parity and expression at a time when "the least of us" might expect to be left in the dust.

**SisterNet** is a network of African American women committed to nurturing healthy lifestyles and community activism. We have envisioned a new model for Black women's organizing dedicated to creating wholeness and balance through physical, emotional, spiritual, and intellectual health. We see our efforts as an essential part of a political strategy to resist oppression and shape livable communities.

The promise of access to state of the art technology and training to create content reflective of our culture and priorities is critical in this time of grave health disparities. Consider:

- African American women are 2.2 times more likely to die from breast cancer than European American women, though the latter develop the disease at a much higher rate
- African American women are disproportionately at risk for and affected by cardiovascular disease (CVD) and Type II diabetes, experiencing 2 times the rate of European American women
- African American women have been found to have the highest rates of physical inactivity and suffer overweight or obesity at the alarming rate of 77%—a major contributing factor for excess morbidity and mortality from CVD, diabetes, hypertension, and multiple cancers

These realities are particularly poignant given another set of related socioeconomic realities:

- African Americans comprise 13.4% of the population, yet make up 24.7% of impoverished households
- 53% of African American children live in single mother households
- Confronting the chronic stressors of racism, sexism, and classism increases African American women's risk for mental and physical disorders

Given African American women's central role in the organization of family life and community engagement, we believe a marked improvement in our health and quality of life will be a key determinant in reversing other major ills crippling the African American community as a whole, such as high rates of academic underachievement and school dropout, under-employment and unemployment, and dreaded HIV infection.

UC2B's and our federal government's commitment to empowering vulnerable populations such as ours cannot come at a more important time. We stand ready to work with you in this comprehensive effort to reach, teach, and facilitate community growth and change. Please keep us informed of the progress of this initiative and feel free to otherwise contact us as need.

Keep Getting Up,

Imani Bazzell, Director

**Health • Healing • Leadership**  
*for the lives we've always wanted*

July 11, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Attn. Dear friends:

Re: Letter of support for the Broadband Project from: *Ted Adkisson/& Associates*



1. I am a graduate of Eastern Illinois University and retired Human Resource Officer who was employed at the University of Illinois. In the past, I served as a volunteer resource person in the Champaign-Urbana schools where I taught students about their ancestry in history to help them build self-esteem and self motivation to achieve academic excellence. Likewise, I volunteered as a computer lab instructor to teach Basic Computer Literacy Skills to youth at the Urbana Boy/ Girls club and high school students who attended evening computer lab classes sponsored by the Urban League.

2. Currently I instruct, consult and inform people who are interested in learning how to bridge the historical and digital divide that is present in the underserved/unserved local community. My classes are taught at different times in the mornings, afternoons and evenings at several churches and the Douglass Center located in Champaign's Northeast community. More skills and resources would allow more people in the underserved/ unserved community access to more opportunities through the use of the Broadband to maximize their activity as well as creativity and leave no child offline.

3. My support and part of UC2B could be as Consultant, Independent Contractor, and Instructor with experience to teach basic computer skills to the underserved and unserved populations in the community. Also, part of UC2B with funding for Virtual Media Hub provide from an Access Point several hours programming for broadband channel. Having money/resources/tech. support with media I can teach and broadcast programs to citizens responsibly searching for plausible solutions to empower themselves in the community.

4. There are not enough print or electronic media outlets or facilities to formalize, disseminate and communicate important information addressing issues that empower the underserved and unserved populations to help themselves solve problems in the African-American community. Furthermore, there are not enough open media platforms that are accessible to conduct equally live expressions of the youth and elderly folks to address their issues concerning the disadvantaged in the African-American community.

5. By providing money and resources for media sites, classrooms, training, equipment and technical support UC2B can help my effort to develop skills necessary to solve problems of underserved and unserved people in the community. Also, the media sites, media hubs and media studios can be used as instruments of positive social reform to help ease or eliminate the historical and digital divide in the disadvantaged communities.

# Christian Social Action Forum



August 7, 2009

To Whom It May Concern:

This letter is a response to a request to endorse the establishment of a broadband network to increase the availability of the Internet to the underserved in our community. As Chairperson of the Christian Social Action Forum, Inc. a long standing participant in outreaches for the needy in Champaign County, I heartily give that endorsement, asking that the community stand behind this effort to give a service that is not readily available, but very valuable, to those who do not have resources. Thank you.

Sincerely,

Vern Fein  
CSAF Chairperson

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Department of Urban and Regional Planning  
111 Temple Buell Hall  
611 Taft Drive  
Champaign, IL 61820



August 11, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear Colleagues at BTOP:

I am writing as a member of the urban planning faculty at the University of Illinois to support the Urbana Champaign Big Broadband (UC2B) project. The Department of Urban and Regional Planning offers doctoral, master's and bachelor's degrees, supervised by about 20 faculty members. A key focus at all degree levels is community development. I teach a workshop annually that involves undergraduate and graduate students in addressing challenging local planning issues, such as environmental pollution in low income neighborhoods of color. In organizing this class, I partner with many local residents in identifying their concerns and exploring creative responses to issues that threaten health, housing, and learning. While the information technology available to me as a faculty member and to my students is adequate, our community partners are not nearly so fortunate. This lack underscores the unequal relationships between town and gown and hinders our promotion of citizen science, planning and journalism. With current resources, we are unable to provide the technical support for citizen activism.

A recent project is a case in point. A toxic waste site in a residential neighborhood in north Champaign has been the focus of several years' worth of study and activity. If the environmental reports, past news coverage, organizational responses, municipal records and other documentation related to the site had been easily searchable online, community members could have prepared better for meetings with the corporation charged with clean-up, and with state officials overseeing the process. Also communication among citizens and interest groups may have been more effective if folks were sharing information and gathering answers collaboratively. If meetings could have been streamed online to computers in people's homes, then elders who are less mobile but who have lived in the area for a long time could have been involved. With a volatile mix of politics, science and economics, finding good solutions for local residents is difficult. An infrastructure for speedy Internet access, combined with training and upkeep is crucial for tackling these sorts of complex problems.

Thank you for your attention.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ken E. Salo'.

Ken E. Salo  
Lecturer and Community Projects Coordinator



1601 Parkview Avenue  
Rockford, Illinois 61107  
Tel: 815.395.5780  
Fax: 815.395.5781

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, D.C.

August 7, 2009

Dear Colleagues at BTOP:

As the Co-PI of the University of Illinois Nuevos Horizontes Media Initiative (NHMI) I am submitting this letter to strongly support the UC2B grant submission. Nuevos Horizontes (New Horizons) is a Spanish language educational outreach program using radio and the web to reach Latino immigrant families in the U.S. since 1993. The weekly radio program is produced through Illinois Media Services on the Urbana campus in the studios of WILL Radio the NPR station for the University of Illinois distributed to radio stations, high schools and libraries in 30 states in the U.S. The content of the program includes interviews on emerging topics of interest to the Latino population and health and culture sections. The New Horizons website [www.nuevosshorizontes.org](http://www.nuevosshorizontes.org) includes archives of past programs, podcasts and learning tools.

NHMI with support from the Office of the Chancellor at UIUC has expanded its efforts to greater involve Latina/o community members in Champaign Urbana who are recent immigrants to Illinois and connect them to students and organizations that are able to assist these families become more familiar with the schools, social services and local government programs designed to strengthen their resources and address their needs and concerns. New Horizons looks forward to working with the UC2B program to use broadband and media to better equip at risk families to address emergency preparedness and public safety issues such as severe weather warnings, epidemic related community programs and public safety warnings and instructions.

NHMI will continue to produce media products on family health topics and provide multiple venues of delivery that are appropriate to these vulnerable audiences. New Horizons looks forward to collaborate with UC2B in the implementation of this vital initiative in Champaign Urbana and strongly endorses this proposal

Sincerely,



Ben Mueller  
Co-PI, University of Illinois Nuevos Horizontes Media Initiative  
and Director, Northern Illinois AHEC  
National Center for Rural Health Professions  
University of Illinois



August 9, 2009

Hui Yan  
Orchard Place 1806C,  
Urbana, Illinois, 61801

To whom it may concern,

I'm Hui Yan, a PhD student from Peking University, Beijing, China. Currently I'm studying and working as a visiting scholar in the Graduate School of Library and Information Science, UIUC.

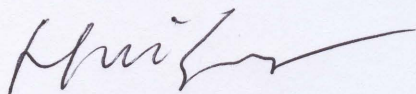
I hear from friends and advisors and also learn from some meetings that CU2B program plans to improve Internet access speed and provide more community public computing sites. I'm just writing to those officials who are in charge of deciding on the broadband budget to show my support of the CU2B plan.

As a resident in Urbana, I surf the Internet for everyday and frequently keep strong impulses to chat online with my family member and friends in China. Before I moved to Orchard Downs during the past two days, I lived in another apartment in north part of Urbana. The wireless service provided by the commercial agency (Comcast) was not very steady, and broke down nearly once in each hour. Sometimes I got mad because of the bad service and interruption of my virtual communications with the professors, relatives and friends in China. We international students don't have enough financial support and badly need high quality public internet access to keep our social ties close and effective.

During the past year staying in Urbana, I talked a lot in the form of video-conference. However, all the breakdowns of the Internet were caused by unsteady limited Internet services here, not because of Internet in China. According to the CNNIC (China Internet Network Information Center) latest report issued in July 2009, the number of netizens (or Internet users) who could access to broadband Internet has reached 320 million, and covers 94.3% of the netizen total number (338 millions). Even my mom and sisters who are living in SHANXI (an extremely slow-developed province located in the Middle North of China) could access to and enjoy high-speed internet.

I strongly appeal to both the state and federal government that CU2B should be funded immediately and in a sustainable way. I couldn't wait for that day when I could talk freely and with wife, family, friends and colleagues in China.

Respectfully yours,



[hyan@illinois.edu](mailto:hyan@illinois.edu)





## LATINO PARTNERSHIP of Greater Champaign County



Adán Chacon  
*President*  
Lucia Maldonado  
*Vice Chair*  
David Adcock  
*Treasurer*  
Viviana Pieretti  
*Secretary*

*P.O. Box # 5164 Station A  
Champaign, Illinois 61825*

August 6, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear Colleagues at BTOP:

On behalf of the Latino Partnership of Champaign County, NFP (LPCC), I am pleased to submit this letter to fully support the UC2B grant submission. Founded in 2002 the Latino Partnership is a clearinghouse agency of more than thirty members representing local government, health and cultural organizations, school districts and Parkland College, libraries and child care providers, social service and safety net agencies, as well as the United Way and businesses that advocate for the improvement of services offered to the Latino population of Champaign County. The Partnership seeks to be responsive to the need for human services among the growing Latino community in greater Champaign County and to decrease the barriers to reaching this population that are often experienced by local area organizations.

The LPCC has experienced from past TOP projects in partnership with Prairienet the benefits of how digital tools and resources have supported the Latino community in Champaign-Urbana. Members from LPCC have already participated with the UC2B in the preparation of a report that identify the Latino family needs related to Broadband Access in Champaign-Urbana.

The Latino Partnership of Champaign County fully supports the UC2B and looks forward to participating in its implementation. Given the urgent needs, we look forward to seeing it come to fruition in the near future.

Sincerely,

Adán Chacon  
President

Aiko Takazawa  
Doctoral student  
Graduate School of Library and Information Science  
University of Illinois at Urbana-Champaign  
501 E Daniel Street, Room 112  
Champaign, IL 61820

August 11, 2009

To whom it may concern:

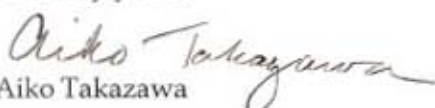
I am writing this letter to support a grant proposal, called Urbana Champaign Big Broadband (UC2B). My intention to write this supporting letter comes from various reasons. Foremost, the UC2B emphasizes community and economic development for general public to experience, empower, and facilitate their lives with public information resources and technology.

As a native of Tokyo, Japan, I have been disappointed by the US home computing. Before I came here, I anticipated that technology service for general public would be the best in the world. In fact, I was impressed by university's resources unlike those in Japanese universities. However, my feeling and experiences have become totally different, once I go and live off campus. I have recognized the reality of the United States. No matter where I live outside university residence halls, the choice for broadband is only one company that provides high speed internet. Sadly, the cost and technical performance for the information infrastructure are unbearable! In Japan, I have no fear to make internet calls with video camera and watch movies and TV shows online anytime of a day. In other word, it would be "shock" to see if someone's home does not have internet connection. As like water and electricity, internet connection in Japan is infrastructure. I even recall that someone joked to me "broadband" is outdated. Instead, people call it "fiber", referring to fiber-optic cable connection.

As like in Japan, I communicate with my family and friends, but not all the time. In the US, I feel like I cannot expect to do so. I have to obey the outrageous pricing for slow speed internet and machine-like customer service at a private company, which is the only choice for "broadband" services. Alternatively, I can rely on public libraries for computing, but their computers are very slow, and only thing that I can do with their computer is only browsing websites including online emails within a limited time. I am fortunate to go to on-campus facilities. But I have known the America where people still do not have computers at home with or without internet connection. And, those people live just nearby our campus. We have energetic students who have skills to facilitate the community as a whole to become productive in this information society together. As the plan emphasizes, we have to be sustainable in various ways, not only economic and developmental but also collaborative and enjoyable learning environment.

I strongly believe that the UC2B plan clearly demonstrates such innovative and inclusive opportunities for local people living in Urbana-Champaign. Furthermore, with UC2B plan, the US can demonstrate the power of people empowering themselves and others within and beyond their communities to advance our digital democratic society.

Sincerely yours,

  
Aiko Takazawa

**KOREAN CULTURAL CENTER OF CHAMPAIGN**

510 E. Daniel Street  
Champaign, IL 61820

[www.koreanculturalcenter.net](http://www.koreanculturalcenter.net)

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August 10, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear colleagues at BTOP:

I am writing on behalf of Korean Cultural Center to support the Urbana Champaign Big Broadband (UC2B) project. My organization was established since 2006 as a 501 c3 non for profit organization and it functions as a place to foster multiculturalism and inter-cultural exchanges in the United States.

KCC collaborates with various organizations to provide array of services to the community. Recently, we addressed issues of educating foreign adoptee children in our community including Korean adoptee children and their families and worked closely with local public libraries to provide services and programs such as story telling events, book fare, multi ethnic play group, etc. Every year, we hosted big ten Korean Ambassador Workshop for training undergraduate students to become global leaders.

Our current technology use is opening web interfaces to our program participants so that they can leave their feedbacks of participations and can download archived past event reports. However, there is so much more that we would like to do if we and our members had improved access to high-speed Internet and the accompanying computing and training facilities proposed in this submission. For example, our organization's goals would be supported by streaming video of our past events for those who missed this event and having easy access to our public documents we developed over years for sharing our knowledge of developing cultural programs. Real time online participation in big ten university workshop and international connections with our collaborative partners in Korea would be much beneficial. We also like to continue a media production project, which early studying abroad Korean students filmed their life stories and shared them at the annual workshop for further discussion and engagement toward social actions. By having this infrastructure and the social networks to support it, our project scopes can extend internationally as it should be in nature and we can make positive changes for our society.

Thank you for your attention.

Sincerely,

Sunny Jeong, Ph.D.  
Founder and Executive Director  
Korean Cultural Center

## Champaign County Nursing Home

500 South Art Bartell Rd  
Urbana, Illinois 61802-2888

Phone (217) 384-3784  
Fax (217) 337-0120

August 9, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear colleagues:

I am writing on behalf of the Champaign County Nursing Home in support of UC2B. We serve 181 elderly nursing home residents who currently have limited access to the Internet. We support any community effort to improve technology access to the residents we serve, particularly as it relates to Internet use. Improving access to the Internet for our residents will enhance their ability to connect with people and organizations outside of the nursing home.

Loneliness is one of the key factors of depression in the elderly. Enhancing access to people and organizations outside of the nursing home will broaden our resident's involvement in our community, in their families, and enrich the last years of their lives.

The UC2B project will improve the lives of the residents we serve. Thank you for considering us within the scope of this project and we look forward to the expanded opportunities it brings our residents.

Sincerely,



Andrew Buffenbarger  
Administrator



**Housing Authority of Champaign County**

205 W. Park Avenue – Champaign, IL 61820  
Phone: (217) 378-7100 Fax: (217) 378-7113

*“Champaign County Believes in Quality Public Housing”*

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Edward Bland  
Executive Director  
Secretary-Treasurer

August 5, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

To Whom It May Concern:

I write to fully support the Urbana Champaign Big Broadband (UC2B) initiative, which proposes to establish a community-wide broadband network that will connect anchor institutions such as the two hospitals, clinics, and the University of Illinois. I also understand that, in an effort to reach vulnerable populations, the broadband will be available to be connected to the senior residences in Champaign, Urbana and Savoy.

As the executive director of the Housing Authority of Champaign County (HACC) I am very aware of the need for such resources in the HACC senior residences. Currently we do not provide access to the internet for our residents and most cannot afford/do not purchase internet access on their own. If our residents did have access to computers and the community broadband network I believe they would be very interested in the services that could be offered, such as informational videos and websites sponsored by the local hospitals, social networking sites or e-mail to communicate with their relatives, and access to the local public television archives.

If there is “above ground” support, for example on-site computer workshops or weekly technology visits, for this project I am quite sure the residents would be interested and if it would significantly enhance their quality of life.



I look forward to this project being funded and providing long-needed access to those vulnerable populations that really have no other alternatives and because of that are at great disadvantage and at risk of being cut off from many of the activities and people that matter so much to them. The Housing Authority of Champaign County welcomes this opportunity and will cooperate and contribute in any way that we can.

Sincerely,

A handwritten signature in black ink, appearing to read 'Edward Bland', written in a cursive style.

Edward Bland  
Executive Director



August 5, 2009

Lisa Bievenue  
Illinois Informatics Institute  
501 East Daniel Street  
Champaign, IL 61820

Dear Lisa,

This letter is in support of bringing broadband internet service to our area of Urbana.

Although we have always had a core group of residents who used computers in their work and now enjoy them in retirement, computer use in our facility among residents has expanded since students from the INFO Club at the U of I began volunteering in our computer center. Most of the residents who have taken advantage of these student volunteers are folks who probably would not have used the internet but have become interested since moving here and having computer access so available. The INFO students provide assistance in a very supportive, encouraging way and the one-on-one approach to teaching works especially well for our residents. Even some of the “seasoned” computer users have come with questions, and the feedback on this program has been exceptional. There has been a waiting list each and every week!

Since our residents range in age from 62-99years old, this is a perfect example of the saying “you are never too old to learn”. Having access to broadband services would even further enhance the information that these folks and others like them could use to stay connected to their family members, their community, and to the world. And as long as there is an opportunity to learn, the residents at Clark-Lindsey Village will be among the first to step up and take advantage of the opportunity.

Thank you, Lisa, for your interest and involvement with this program.

Best regards,

Penny Porter  
Sales Counselor







August 10, 2009

Abdul Alkalimat  
Graduate School of Library and Information Science  
University of Illinois  
501 E. Daniel St.  
Champaign IL 61820

Dear Abdul,

For over the past 25 years I have worked with older adults in different retirement communities, one of the most rewarding projects I was involved was to set up a small computer lab in the community. It was even more rewarding to watch a 98 year old woman learn how to utilize the internet and email her grandchildren all over the world.

The residents here at Prairie Winds Supportive Living have access to one computer which is connected to the internet, but has its limitations. By having broadband capabilities in the community, older adults would have access to such much more and would be able to share their experiences. Utilizing available material and developing programs that could be shared intergenerational would be both stimulating and rewarding for the residents. Prairie Winds is already wired to each apartment.

I support the expansion of broadband project in the Champaign Urbana area.

Sincerely



Timothy J. Boisseau  
Administrator



August 12, 2009

Mike Smeltzer  
U of I  
CITES  
Urbana, IL 61801

Dear Mr. Smeltzer,

Champaign Telephone Company (CTC) supports the Urbana-Champaign Big Broadband (UC2B) project that will be reviewed and awarded by the National Telecommunications and Information Administration. If the UC2B project is funded by NTIA, CTC would work with our local IBEW Local 601 representatives to create a special apprentice program for this project and recruit apprentices from the low-income areas being served by our fiber-to-the-home project.

CTC, Inc. is a Competitive Local Exchange Carrier (CLEC) that has served Central Illinois since 1984. CTC provides structured cabling, Internet connectivity, Digital and IP voice services.

Thank you for your consideration and if you have any questions, please feel free to contact me at 217-531-1000.

Sincerely,

A handwritten signature in purple ink, appearing to read "Michael Hosier", is written over a faint, larger version of the signature.

Michael Hosier  
President  
Champaign Telephone Company

1300 S. Neil Street • Champaign, IL 61820  
Phone (217)344-4444 • Fax (217)398-5923 • Toll Free (800)337-4282  
[www.ctc.biz](http://www.ctc.biz)



2400 West Bradley Avenue, Champaign, IL 61821-1899  
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August 10, 2009

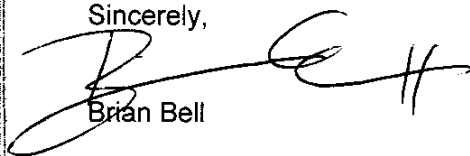
Broadband Technology Opportunities Program  
1401 Constitution Ave, NW  
Washington, DC 20230

Dear Colleagues:

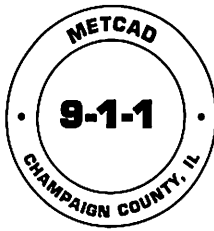
I am pleased to write in support of the UC2B project on behalf of the "Bridging the Digital Divide" Computer Technology Center at the Illinois Worknet Center in Champaign, Illinois. The Parkland College CSIT Department is a recipient of grant funds from the Illinois Department of Commerce and Economic Opportunity to bridge the digital divide in our community. We have established a workshop to educate students on current and new technology to increase job retention and employment probability. We have also established a team of volunteers who with donated computers set up and maintain satellite Computer Technology Centers in underserved areas of our community. Broadband will assist in this effort by having affordable high speed connection to connect to the rest of the world. The Broadband initiative will also assist greatly in having underserved access to the education and assistance needed to be competitive in the 21<sup>st</sup> Century.

It is our mission to reach out to members of our community who have little exposure to technology. The UC2B project will greatly assist our efforts in making our goals to educate, elevate our citizens to be more competitive in our new global digital age.

Sincerely,



Brian Bell



# METCAD

*Public Safety Through Quality Service*

August 4, 2009

To Whom It May Concern:

METCAD is the primary 9-1-1 Public Safety Answering Point (PSAP) serving Champaign County. METCAD was formed by Intergovernmental Agreement in 1979 and is governed by a multi-jurisdictional board consisting of the City of Champaign, City of Urbana, University of Illinois and Champaign County as well as representation from rural law enforcement agencies and volunteer fire departments.

In addition to being the primary 9-1-1 PSAP, METCAD also operates a county-wide digital 800 MHz trunked radio system which supports all public safety (law enforcement, fire & EMS) and the major public service agencies (public works, highway, U of I Utilities, etc.). This communications network provides full interoperability between all disciplines to support routine communications on a day-to-day basis as well as those during times of crisis or in support of homeland security operations.

The infrastructure of this radio network is comprised of 5 tower sites strategically located throughout the county. Connectivity to these towers is provided via a loop-design microwave network. The proposed Big Broadband project would allow METCAD to establish fully redundant connectivity to at least three tower sites to help keep the network operational in the event of a serious microwave disruption. Without the ability to partner with the Big Broadband project, it is unlikely that METCAD would be able to fund a reliable backup network such as that proposed by this project. This partnership would save taxpayers significant money while creating a much more reliable network.

METCAD supports the Big Broadband application and urges the review committee to approve it.

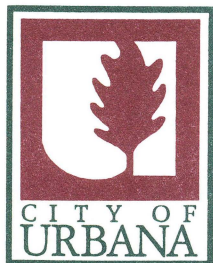
Sincerely,

Greg Abbott  
METCAD 9-1-1 Coordinator

---

1905 East Main Street, Urbana, Illinois 61802 (217) 333-4348  
FAX (217) 384-7003

[www.metcad911.org](http://www.metcad911.org)



**Urbana Fire Rescue Services**  
400 South Vine Street  
Urbana, Illinois 61801  
(217) 384-2420  
FAX (217) 384-2449

August 12, 2009

Lisa Bievenue  
Project Coordinator and Proposal Development  
Illinois Informatics Institute  
251 GSLIS, MC493  
501 E. Daniel  
Champaign, IL 61820

Dear Ms. Bievenue:

There Urbana Fire Department has looked in many different ways to improve services via computerization in our Fire Stations. Big Broadband may help us in delivering services much quicker. The Fire Department has discussed utilizing a municipal wireless network that would allow us to provide more efficient mobile services in our fire trucks.

Right now all fire trucks operate via cellular card to communicate with servers. Big Broadband may assist in making the dream of municipal wireless services a reality. As for my understanding it is a very quick and efficient service in providing internet services.

Sincerely,

Tony R. Foster  
Division Chief  
Prevention & Education

TRF:ct

**Carle Foundation Hospital**

611 West Park Street, Urbana, IL 61801-2595 Phone: (217) 383-3311

August 10, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear BTOP,

This letter provides me the opportunity to express Carle Foundation Hospital's support for the community broadband proposal "Urbana-Champaign Big Broadband, or UC2B" as a way of improving and enhancing high-speed Internet connections ("broadband") to key community institutions and to homes throughout our region. This project will ensure the building of a unified network of existing and planned public computing centers, bringing them to a technology standard including broadband, and providing local IT support.

Carle Foundation Hospital is the community's largest hospital and a regional referring center. We rely on the latest technology to improve patient care, increase efficiency, and attract new physicians and staff to this fine community. We see UC2B as a vital component to the local infrastructure and one that Carle can connect with to improve service to patients and the community.

We see on the horizon the need to share information with patients in their homes. In fact, many patients with chronic diseases are using web-based applications to help manage their health and communicate with their doctors. Physicians and management staff often require access to medical information from home, mobile devices, or at other off-site facilities. The nature of this information is often vital to patient care and requires large amounts of data to be exchanged. Expanded broadband capability throughout the community will allow fast transfer of these rich information files...large diagnostic images, motion video files, audio-visual files, and expansive patient education information just to name a few.

We view this project as a critical component to improving the community, growing economically, and expanding the flow of information and services throughout the area. We are pleased to offer our support of this project and encourage you to look favorably upon this project and grant the necessary matching funding to make it a reality.

Please let me know if I can answer any questions about Carle's support of this initiative.

Sincerely,

A handwritten signature in cursive script that reads "John M. Snyder".

John M. Snyder  
Executive Vice President and Chief Operating Officer  
Carle Foundation Hospital  
611 West Park Street  
Urbana, IL 61801



## Champaign County Health Care Consumers

44 East Main Street, Suite #208 • Champaign, IL 61820

Phone = (217) 352-6533 Fax = (217) 352-9745

Email = [cchcc@healthcareconsumers.org](mailto:cchcc@healthcareconsumers.org) Web = [www.healthcareconsumers.org](http://www.healthcareconsumers.org)

**Grassroots organizing for health care justice and access since 1977.**

---

August 17, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear Colleagues at BTOP:

I am writing on behalf of the Champaign County Health Care Consumers (CCHCC) to support the Urbana Champaign Big Broadband (UC2B) project. CCHCC is a citizen action organization, founded on the premise of participatory democracy and the belief that meaningful reforms in the health care system will come only with the active involvement of consumers. From its inception in 1977, CCHCC has organized to increase the influence of consumers who have traditionally been excluded from the health care decision-making process. CCHCC carries out its mission through consumer education, advocacy, and community organizing. We run adult dental care programs, a free Consumer Health Hotline, and the Medicare 100/Plus Program to make hospital health care services more affordable for low-income Medicare beneficiaries.

We have an eleven-member board of directors, and a staff of seven, with many volunteers working on a dozen or so campaigns related to health care justice.

Our current technology use is limited by funding, although we have creatively leveraged our social networks to broaden our impact. For example, our Health Action Network (HAN) is dedicated to empowering and mobilizing consumers for system change through simple coordinated actions. HAN could be more effective if our participants had ready access to high-speed Internet and social networking tools that could multiply our message. The accompanying computing and training facilities proposed in this submission would enable more of our volunteers to participate in discussion forums, citizen health information sharing, and meetings. By having this infrastructure and the facilities and training to effectively use and sustain it, our community would better be able to address critical issues of health care.

Thank you for your attention.

Sincerely,

*Claudia Lennhoff*

Claudia Lennhoff  
Executive Director



UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Graduate School of Library and Information Science

Library and Information Science Building  
501 East Daniel Street  
Champaign, IL 61820-6211

August 10, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear BTOP,

I write with enthusiastic support for the community broadband proposal “Urbana-Champaign Big Broadband” (UC2B). I represent the Graduate School of Library and Information Science (GSLIS) and the Illinois Informatics Institute (I<sup>3</sup>), both at the University of Illinois at Urbana-Champaign. These two entities will take the lead on the “above ground” UC2B proposals.

GSLIS is consistently ranked among the best library and information science school in the United States, and it supports four major research areas: Information History, Economics, and Policy; Information Retrieval and Digital Libraries; Librarianship and Literature for Youth; and Social Informatics. Research and engagement in the area of community informatics is a subset of the social informatics work at GSLIS.

I<sup>3</sup> is an interdisciplinary initiative arising from the strategic plan of the University of Illinois at Urbana-Champaign, aimed at coordinating informatics-related research, service, and teaching activities across the campus. One of the campus-wide activities overseen by I<sup>3</sup> (in cooperation with GSLIS) is the Community Informatics Initiative, which involves more than fifty faculty from more than twenty departments and provides funding for the development of research and teaching activities focused on the effective deployment of information technology in community settings. In addition, I<sup>3</sup> runs a Corporate Roundtable that promotes collaboration between the University of Illinois and its corporate partners, with a focus on information science as applied to many different business activities, from knowledge management and social networking to mapping and modeling to information retrieval and preservation.

Both GSLIS and I<sup>3</sup> recognize the value of a community-wide broadband network for research and public engagement. GSLIS has a significant history of community networking and outreach, having launched and maintained for nearly 20 years one of the first community networks, Prairienet, which is now incorporated into the Community Informatics Initiative. With a community-wide broadband service, we expect to enjoy many opportunities for participatory research, learning, and community development that contribute to improving life for our most vulnerable neighbors. Prairienet’s TOP grant gave us both a good start and lots of experience

with computer networking and training in partnership with low-income families and the organizations that serve them. We expect that this project will also reinforce the view of Champaign-Urbana as a high tech hub, which is likely to draw more business to the community and to the B Corporate Roundtable. In addition, Corporate Roundtable members are very likely to contribute to the business development component of the Sustainable Adoption effort.

We are convinced of the potential of UC2B and look forward to leveraging existing community partnerships as well as building new relationships, all of which will afford us many opportunities to study and answer significant questions about community networks and informatics.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Unsworth', written in a cursive style.

John Unsworth  
Dean, Graduate School of Library and Information Science  
Director, Illinois Informatics Institute

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

The Community Informatics Initiative

Graduate School of Library and Information Science  
501 East Daniel Street  
Champaign, IL 61820-6211



August 10, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear colleagues at BTOP:

I am writing on behalf of the Community Informatics Initiative (CII) to support the Urbana Champaign Big Broadband (UC2B) project. CII is a research, teaching and public engagement center within the Graduate School of Library and Information Science. While we were only established in 2007, we emerged out of Prairienet and remain committed to its legacy of community partnerships around information and communication technologies. (Prairienet, now included in CII, was a freenet founded in 1993 to improve local information access in Champaign-Urbana and the east central Illinois.) Community informatics at Illinois prioritizes collaborations with marginalized communities to create solutions to the most serious crises threatening society as a whole: poverty, health, violence, and food security, for example. We have unique strengths and expertise that come from fifteen years of university-campus partnerships with people and organizations in north Champaign, East St. Louis, and Chicago. More recently we have partnered with organizations in rural Illinois and West Africa.

The 50 or so graduate students and nine faculty and staff of CII aim to increase literacy in the Internet age, promote equitable access to the means of digital production, and investigate communication policy. As a new program, we anticipate expanding and joining fully in the MAD Lab, broadband course offerings, and oversight of the various proposed public computing facilities.

By having this broadband infrastructure and the social networks to support it, critical understandings would develop not only of how communities access, create, organize and share information, but also the types and qualities of connections between and among communities. This funding would provide an incomparable opportunity for creative and ongoing uses of networks to build civic awareness and engagement toward the common good.

Thank you for the time and consideration you give to the UC2B proposal.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Sharon Irish'.

Sharon Irish, Ph.D.  
Project Coordinator

UNIVERSITY OF ILLINOIS  
AT URBANA - CHAMPAIGN

Office of the Provost and Vice Chancellor  
for Academic Affairs

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



August 10, 2009

Department of Commerce  
National Telecommunications and  
Information Administration  
Broadband Technology Opportunities Program

Dear Colleagues:

It is my pleasure to express my support for the UC2B broadband proposal coming forward from the University of Illinois at Urbana-Champaign. Specific commitments of money, material, and personnel are documented in other letters, so my purpose here is to provide context on why it makes sense for our campus to lead this effort on behalf of the community.

As a research university, Illinois is justly proud of its history of innovation in developing cutting-edge technologies. We have been an international leader in the science and technology of electronic communication for as long as these research areas have been in existence.

As a land grant university, we have a deep heritage of serving community needs. The land-grant ideal, which strives to unite the public service mission of the university with its powerful research and teaching missions, has proven to be both sturdy and supple enough to master new challenges for a century and a half. But our new century requires yet new forms of engagement, and we must be ready to embrace them.

Our UC2B proposal creates an enormous opportunity to make full use of our technological capabilities in support of a project that promises to have a transformative effect on the Champaign-Urbana area. One powerful effect will be to stimulate the local economy through the creation of jobs necessary to implement and sustain this project. Even more important is the effect UC2B will have by creating high level computing capabilities for underserved, low-income areas in Champaign and Urbana. In turn, the project will not only enable the university to strengthen its fiber optic infrastructure, but will itself become a major research site for scholars and students who study the uses and effects of electronic communication and enhanced computing capacity for the people who engage them.

The goal of this project – to lay the foundation for a longer term project that would use high speed, fiber optic network to connect all homes, businesses, schools, libraries, churches and public buildings in Champaign and Urbana to a high-speed, fiber-optic network – is unthinkable without the kind of support being sought through the UC2B proposal.

Sincerely,

Robert Easter  
Interim Provost and Vice Chancellor  
for Academic Affairs Designate

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Vice Chancellor for Student Affairs

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



August 10, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear Colleagues:

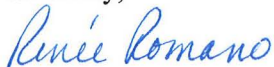
I write this letter in support of the UC2B broadband application. In my capacity as the Vice Chancellor for Student Affairs, I supervise a number of campus units currently involved in public engagement efforts. Some of those units are as follows: Dean of Students, Counseling Center, McKinley Health Center and the Office of Inclusion and Intercultural Relations which covers the African American, La Casa Latina, Asian American, Native American cultural centers as well as the offices of LGBT and Women's Resources.

Each of the above units, in addition to working with students also works with families and youth in the local twin cities of Champaign and Urbana, Illinois. All of the units disseminate information to the local public as well as to students and staff. They utilize the internet heavily to share their information. Some examples of our current outreach activities include information sharing on physical and mental wellness issues, tutoring, and mentoring public school students, and information sharing on issues affecting the quality of life for campus students and community members. We also informally serve to provide information to the local community regarding how to create positive interactions between our student population and the local community.

One of the significant challenges for local community members is accessing the diverse and extensive knowledge base of the University of Illinois. Citizens are sometimes frustrated by the lack of a central point of contact when seeking interactions with specific campus units. Our division would utilize the proposed local computing labs as a means of communicating campus resources through a web site publicized at the local labs containing relevant outreach activities and information. With broadband service at the local labs, college students could work with youth in their own settings, thus enhancing their interactions. Some of our cultural centers also work with youth on producing their own media projects. Having access to high speed internet would greatly enhance and expand those efforts. Finally, we are able to connect the community with student volunteers who can assist in the various service sites. Most community mentoring or tutoring sites do not have high speed internet access and thus are not nearly as effective as they would be with such a service. We believe that this project would be a wonderful asset in the attempt of the Office of the Vice Chancellor for Student Affairs to continue its outreach to the local community.

For these reasons, I am pleased to provide my support for this proposal.

Sincerely,



Renée Romano,  
Vice Chancellor Student Affairs

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN



August 10, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear Colleagues:

I am writing to explain our participation in UC2B.

First, some background information. Illinois Promise (I-Promise) is an access scholarship program for high achieving, low-income students at the University of Illinois. All key educational expenses are covered for these students and a community of support as well as enrichment programs is offered to help ensure their success. Launched in 2005 with a first cohort of 129 students, we are anticipating 700 students in AY 09/10. Each student has a family income that is at or below the poverty level. Other demographics include: approximately 75% of students are of color, 80% are first-generation college students, and 20% are legally independent. We're pleased that educational outcome data parallels or exceeds data for the general University of Illinois student population as a whole: four-year retention rate 82% v. 83%; four-year graduation rate 66% v. 66%; anticipated five-year graduation rate 85-90% v. 80%; application to graduate school 43% v. 34%. It is clear that if you give talented, deserving students without the financial means a chance to succeed, they will do just that. As one '09 I-Promise graduate wrote, "Many I-Promise students such as me realize the meaning of being given something. We optimize our experience with what we have, and we push to move beyond the ordinary, because we know the challenge is worth it." This student is now Vice President of Talent Management at AIESEC, a NGO in Oman.

There are three ways I-Promise students can contribute to and benefit by the UC2B initiative.

First, UC2B contemplates a computer lab. As it happens, I-Promise is exploring sources of funding for a laptop loan program. Approximately a quarter of our students do not own computers. In this regard, with laptop computers, we could establish a virtual computer lab that would help contribute to the success of this unique group of students on campus. Such computers might include software that enables access to the library, departmental educational software, and other University online resources. Limited Internet access is a particular concern these students have when they return to their home communities. It would be highly valuable if the virtual computer lab would also include portable Internet-enabled laptops that the I-Promise students take home during university breaks.

Second, I-Promise students are uniquely situated to volunteer for community outreach initiatives contemplated by the UC2B proposal. Ninety-nine percent of our I-Promise students reported volunteer service in a senior survey conducted earlier this year. Some will be from the Urbana-Champaign area and all will be able to relate to the needs of the more disadvantaged areas in the

community. We are committed to communicating UC2B community-engagement opportunities with the I-Promise population.

Third, there are certain to be some I-Promise students drawn to the Informatics minor and interested in community broadband as a subject of study. These students would represent a valuable addition to the core group of students providing student leadership for the UC2B initiative.

In addition to the specific ways in which I-Promise students can contribute to and benefit from UC2B, it is also possible that our collaboration will help make I-Promise visible to low-income, high school students who might not otherwise be aware of the support to low-income students available through the University of Illinois.

For all of these reasons, we are pleased to provide our enthusiastic support for this proposal.

Sincerely,



Susan Gershenfeld  
Director, Illinois Promise Student Services



UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

**Office of Minority Student Affairs**

130 Turner Student Services Building, MC-306  
610 East John Street  
Champaign, IL 61820



President's Award Program  
Educational Opportunities Program  
Federal TRIO Programs

August 10, 2009

Broadband Technology Opportunity Program  
Department of Commerce  
Washington, D.C

To Whom It May Concern:

I am writing to express support of the UC2B proposal.

I wish to pledge the support of the staff of the Office of Minority Student Affairs to help in the development and implementation of the UI broadband proposal. OMSA has existed on campus since 1968. We are responsible for providing leadership in developing, implementing and coordinating student support services and activities designed to assist underrepresented students' personal development, academic achievement, and graduation. The department serves African American, Latino/a, and Native American undergraduates, as well as students from all backgrounds who are admitted through programs such as the Educational Opportunities Program, the President's Awards Program, and the Liberal Arts and Sciences' Transition/Bridge Program.

Programs and units within OMSA include:

- The monitoring of underrepresented freshman progress which includes mentoring, encouragement, support, and information designed to help freshmen acclimate to the University, and to persist and achieve academic excellence. Graduate student counselors provide much of the monitoring. The main focus of the program, which is monitored by OMSA professionals, is to improve campus climate by making a large campus feel smaller, friendlier, and more manageable to first-year minority students through individual attention and assistance.
- The Academic Services Center, located on the east side of the quad, assists students in developing the confidence, independence, and active learning skills necessary to meet both the University's academic standards and students' individual educational goals. This skill development is facilitated directly through tutorials, structured study groups, review sessions, supplemental instruction, and study skills workshops as well as by mobilizing other campus and community resources.
- OMSA also coordinates the *McNair Scholars Program*, US. Department of Education-funded TRIO program, the goal of which is to increase the number of underrepresented minority students who pursue graduate study and enter careers as professors. Approximately 30% of the

Scholars plan to have careers in higher education; therefore, they are highly competent role models who can work with youth in the public schools as well as students on campus. We typically have 40 McNair Scholars (future faculty) each year; these are rising juniors and seniors who enjoy at least a GPA average of B. They complete ambitious research projects and present them each summer at the Annual McNair Symposium. Nearly 50% of the students work on campus helping others as employees or volunteers. Their technical skills are typical higher than other University of Illinois students.

- In addition, an assistant director advises the Minority Association of pre-health students (MAPS) that has a membership of more than one hundred students enrolled in science based curricula across the campus. We have advised this organization and its forerunners for more than thirty years; MAPS alumni are faculty members and medical professionals around the country. Another staff member advises the Minority Association of Future Attorneys (MAFA).

- Two other TRIO programs include *Project Upward Bound*, which has as its goal the placement of low-income and minority high school students into college, and *Student Support Services*, which provides intensive monitoring and academic services to 50 of the University's most at-risk students. A program in the Office of the Provost, the *Principal Scholars Program*, serves approximately one hundred local high school students on Saturdays in an academic and enrichment program throughout the year. Many of the students live in low-income households where technology is not available.

The above-described programs and services for undergraduates provide a large population of undergraduates, many of whom are both qualified and motivated to assist the youth of the local community with motivation and assistance with regular classroom instruction as well as enrichment activities such as learning to use digital resources.

In addition, the last bullet describes the type of structured assistance programs that already assist low-income and underrepresented students, but are nowhere near sufficient to serve the entire community. In fact, Parkland College's federal TRIO Educational Talent Search grant was defunded three years ago. The Educational Talent Search grant served 600 middle and high school students and provided basic skills, tutoring and preparation for college services, in a manner similar for what we do with our eighty Upward Bound high school students.

We would be very pleased to join in your efforts to create an UI Broadband supportive environment. The concept of "intentional engagement with technology" is a shared vision for developing the environment that our underrepresented students need. Between our joint efforts we can create the "push and pull" that is key in not only the recruitment, but the retention of talented students.

*Grant funds are need for:*

1. Providing local students with opportunities to learn 21<sup>st</sup> century skills in writing, multimedia, online publishing, and collaboration. Ms. Janice Mitchell, community parent liaison in Urbana public schools has been a volunteer in the school district in developing an after school

OFFICE OF MINORITY STUDENT AFFAIRS

3

technology program for low-income and minority youth. She and others in the district conducted a fourteen week Introductory to Computers pilot during 08-09, but there were no personnel funds available to continue the program.

2. Purchasing up-to-date technology equipment: Very few of the children have computers at home, according to assistant superintendent Gayle Jeffries. "We have computer labs in all of the elementary schools; however, the computer hardware is old and the kids need training..."

▪An example of an activity is a Photo Essay unit that will allow for students to learn to use digital cameras to communicate about topics that matter to them under the guidance of an educational mentor assigned by the University in collaboration with the school district.

3. We propose that one emphasis be upon helping young students to learn research skills. They will be guided by McNair Scholars and other college students that will be jointly trained by University staff and school district personnel. Furthermore, this model can also be expanded into the Champaign Unit 4 School District. We have three computer labs in our department, but our computers are three years old.

Besides providing an eager and talented array of undergraduate tutors and mentors, other ways in which OMSA can contribute:

▪We have staff members who have several years of experience teaching technology.

▪Connections with the Urbana, Champaign and Rantoul public schools through our 42 year old Upward Bound Program. We serve more than eighty 9<sup>th</sup> through 12<sup>th</sup> graders annually through a year round program and an intensive comprehensive eight week summer program. UB provides an excellent organizational structure that could be greatly enlarged and expanded under this grant.

▪OMSA will assist in identifying recent minority graduates who can serve as professional mentors.

Finally, I am willing to join an oversight committee to assist in evaluating your program. I was a Microsoft Mentor for ten years through a partnership with the U.S Department of Education and the University of Washington. Please let me know if I can provide any additional support.

Sincerely,



Michael L. Jeffries,  
Associate Dean of Students and  
Director Minority Student Affairs and  
Federal TRIO Programs



2400 West Bradley Avenue, Champaign, IL 61821-1899  
217/351-2200 • [www.parkland.edu](http://www.parkland.edu)

August 3, 2009

Broadband Technology Opportunities Program  
1401 Constitution Ave, NW  
Washington, DC 20230

Dear Colleagues:

I am pleased to write in support of the UC2B project on behalf of the Computer Science and Information Technology (CSIT) Department at Parkland College. The Parkland CSIT Department offers degrees in several IT areas, including Networking, Digital Media, Database Development, Software Development, and Office Professional. Our graduates are highly skilled individuals who are hired for internships leading to permanent employment with local small, mid-size, and large companies, such as Volition, Precision Graphics Services, Wolfrem Research, Frasca International, Motorola, Simplified Computing, Area Wide Technologies, Carle Clinic and Hospital, Christie Clinic, the cities of Champaign and Urbana, Communication Data Group, Archer Daniels Midland, and many others.

Parkland is actively involved in reaching out to minority and under-represented individuals in an attempt to narrow the digital divide for these populations. We have received grants from NSF, AT&T/Ameritech, and the Illinois Department of Commerce and Economic Opportunity for the development and implementation of educational models and programs to recruit, train, and help develop job skills for under-represented populations in information technology fields. We have collaborated with many local organizations, such as the University of Illinois at Urbana-Champaign, the Don Moyers Boys and Girls Club, and the Urban League of Champaign County, to provide workshops/training in IT to those members of the Champaign-Urbana community that have very little knowledge of digital technology.

It is our mission and passion to reach out to members of our community who have little exposure to technology. It is our hope that the educational and training models we have developed and implemented in the community will be fully utilized. The UC2B project will help make that vision a reality by allowing us to bring enhanced learning opportunities to individuals we often are unable to serve using traditional educational methodologies.

Sincerely,



Thomas R. Ramage, Ed.D.  
President



August 10, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear Colleagues at BTOP:

I am writing on behalf of 90.1 WEFT, a community radio station, to support the Urbana Champaign Big Broadband (UC2B) project.

WEFT-FM is a non-commercial radio station locally owned by Prairie Air, Incorporated, a not-for-profit organization. Our mission is to provide the diverse communities of radio listeners in East Central Illinois an accessible, responsible, and responsive radio alternative.

We are a primarily volunteer organization struggling to find our space in the evolving media environment. Improved access to high-speed Internet and the accompanying computing and training facilities proposed in this submission would support us in a number of our activities and goals, such as:

- live webstreaming of our programming
- downloading content from music and informational content providers (which is becoming increasingly prevalent, as many of our content providers move away from providing physical media, such as CDs)
- supporting archiving and on-demand provision of our original content to others
- using social networking to communicate with our listeners and supporters.

By having this infrastructure and the technical support for it, WEFT would be better able to serve the needs of our community.

Thank you very much.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Dossett", is written over the typed name.

Raeann Dossett  
Chair, WEFT Board of Directors

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

WILL AM-FM-TV

Campbell Hall for Public Telecommunication  
300 North Goodwin Avenue  
Urbana, IL 61801-2316

August 12, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear BTOP Selection Committee,

We are pleased to offer this letter of enthusiastic support for the Urbana-Champaign Big Broadband proposal in the Broadband Technology Opportunities Program. We know that it will have far-reaching positive effects on our community, with increased opportunities and educational outcomes for citizens currently underserved in a world where network access has become fundamental.

WILL is the public television and radio station serving Champaign-Urbana and communities throughout central Illinois. We've been one of the top small market PBS and NPR stations for some decades, and have long-standing educational programs and partnerships throughout our communities and schools. The University of Illinois was instrumental in establishing the National Association of Educational Broadcasters, which led directly to the creation of public broadcasting via the Public Broadcasting Act of 1967. We aim to continue this tradition of innovation and public service.

We have also seen the impact of our work in bridging the digital divide, both in enabling access to computers and the internet, and in training people how to use them. For the past eight years, our Youth Media Workshop program has worked with at-risk middle and high school students to develop digital literacy, media production, and storytelling skills. The transformation in these young people is in many cases profound. Kids on the verge of dropping out have become honor roll students bound for college. We work in partnership with many of the participants in the Champaign-Urbana BTOP proposal, including the University of Illinois Graduate School of Library and Information Science, the Cities of Champaign and Urbana, and the area School Districts. With the proposed funding for Community Technology Centers and additional training, we are convinced that this project can greatly expand the positive impacts we've seen and create new opportunities for our underserved citizens and communities.

From our perspective this comes at a fortuitous time, as our work and that of other public broadcasters on digital education services is beginning to bear fruit. We are working to digitize and make accessible decades of analog archives from public TV and radio productions spanning decades of American history and culture. The record of our times is

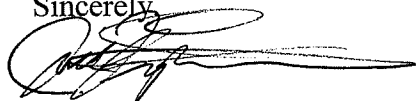
reflected in these audio and video archives, and we are making them accessible for use as educational materials. WILL also publishes some 40 hours of born-digital content online every week for public and educational use. The expansion of broadband access is critical for us to deliver our content and educational services.

Illinois Public Media also proposes creation of a center for sustainable journalism. In public-private partnership between the University of Illinois, a variety of private companies engaged in community transformation and traditional local media outlets, this technology center would serve the public interest by training high school and college students and community thought leaders in the use of new media for informing and engaging the citizenry. The center would use our Youth Media Workshop model for training and engagement. Mentors would guide the process as students research and report on issues of community adaptability and sustainability. In addition to receiving timely, relevant and accurate information, residents would have the opportunity through new media, social networking, and traditional engagement practices to be interactively involved in shaping the future of their community.

The community as a whole would benefit as existing media utilize the center to adopt new media models - increasing their ability to sustain and enhance good journalism practices and community impact as legacy delivery models decline. Of particular benefit is the ability through the center to expose the value of involving underrepresented constituencies. This would help to shape public policy by giving them voice in community transformation decisions, such as communication, energy, transportation, and community health policy initiatives supported by the center.

Universal access to our culture and history is now dependent upon effective access to the internet via broadband connections. Addressing connectivity and digital literacy has become central to our mission as educational broadcasters. Our partnerships and services to schools result in measurably improved outcomes in educational achievement and economic opportunity in the underserved populations of Champaign-Urbana and throughout central Illinois. We intend to extend and deepen that impact through our participation in the Urbana-Champaign Big Broadband initiative. With support from this grant, we and our partners are ready to work.

Sincerely,



Jack Brighton  
Director of New Media & Innovation  
Illinois Public Media/WILL  
College of Media at Illinois  
Campbell Hall for Public Telecommunication  
300 N. Goodwin  
Urbana, IL 61801  
217-333-7300  
<http://will.illinois.edu>  
[jackb@illinois.edu](mailto:jackb@illinois.edu)



UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Office of the Vice Chancellor for Public Engagement

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



August 10, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear Colleagues:

The Mo' Betta Music Program is excited to hear of the UC2B proposal submission. The Mo' Betta Music Program is a collaborative program between the Office of the Vice Chancellor for Public Engagement and a community based volunteer organization. Mo' Betta Music seeks to provide individual, small, and large group instruction to local area underrepresented students in instrumental and vocal music. The Program is offered twice a week during the after school hours at a local church facility. Instructors include university faculty and staff and graduate students. The Program utilizes the idioms of jazz and popular music to teach students. The goal is to offer creative and constructive outlets to underrepresented students so that they can achieve at high levels in their respective school bands and choral groups.

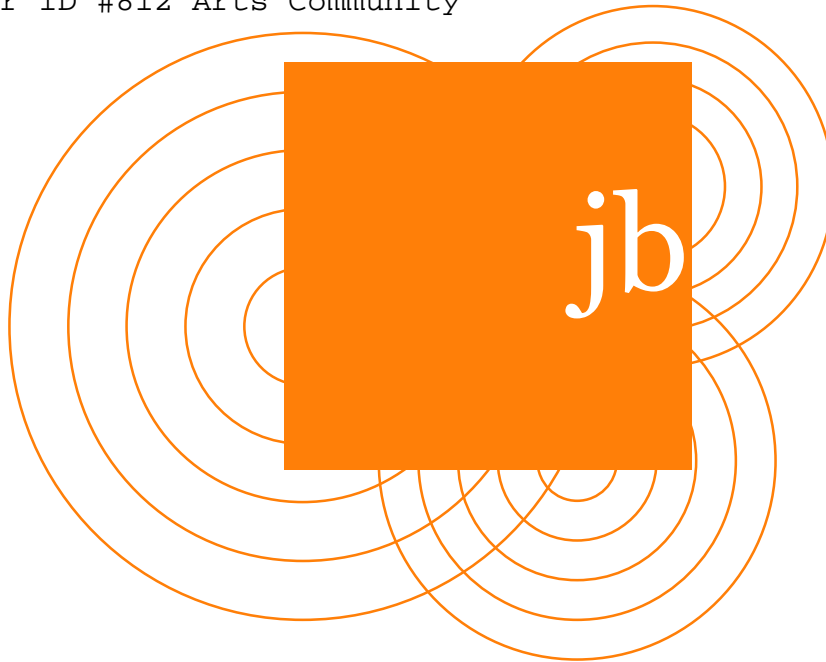
Mo' Betta Music would use the community labs created by the broadband initiative to access on-line musical examples, to produce and publish their own original music on-line, and to communicate with other similar musical youth organizations throughout the country and perhaps the world. High speed broadband would increase the quality of the musical examples and videos currently found on the internet.

Our practice facility is already a community lab, but access to the internet is cumbersome, which makes it harder to utilize the web and its resources.

For these reasons, the Mo' Betta Music Program is very enthusiastic about the UC2B proposal and is highly supportive of it.

Sincerely,

Nathaniel C. Banks  
Director, Campus Community Interface Initiatives  
Coordinator Mo' Betta Music Program



To Whom It May Concern:

I write today to endorse the establishment of a broadband network to increase the availability of the Internet to the underserved in our community. As our world continues to move into a heavily technology based arena, our community must do so as well. As the Arts Editor for Champaign-Urbana, an online magazine providing an alternative voice for our community, I believe the need for public broadband will help bridge the divide in our community and bring much needed 21<sup>st</sup> century access to those without the ability or the funds to do so. This access will most definitely provide and bring much needed money, jobs, and technology to our community.

Best,

Justine Bursoni

Arts Editor at SmilePolitely.com



910 South Lynn Street Urbana Illinois 61801

August 10, 2009

Broadband Technology Opportunities Program (BTOP)  
Department of Commerce  
Washington, DC

Dear colleagues at BTOP:

I am writing on behalf of the Regional Inquiry Studio (RIS) to support the Urbana Champaign Big Broadband (UC2B) project. My organization is a newly-established cultural institution and residency program with the goal to look critically at intersecting landscapes of small towns, rural communities and regions in the Midwest. We serve primarily artists, community-based researchers and organizers. Our current technology use relies on the personal equipment of our volunteers because we have few financial resources, but there is so much more that we would like to do. If we and our partners had access to a community media lab with equipment for video production and other tools proposed in this submission, we could readily generate projects that amplify previously untold narratives and layer multiple and possibly contradictory visions of this place. By having this proposed infrastructure and the social networks to support it, RIS will join in the creation of new knowledge, discussions and regional collaborations through the production of projects, workshops, tours, and exhibitions.

Thank you for your attention.

Sincerely,  
Sarah Ross  
Director



BUSEY BANK  
201 W. MAIN ST.  
PO BOX 17430  
URBANA, IL 61803-7430  
WWW.BUSEY.COM

August 11, 2009

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

Dear Broadband Technology Opportunities Program:

I am writing to express my support of the Urbana-Champaign Big Broadband (UC2B) project to provide high speed connectivity via fiber-optics to all areas of our community.

This project will make available Internet connectivity to the unserved, underserved and vulnerable populations in the community. In addition to the delivery of Internet services the implementation and on-going support for the project will provide for economic development opportunities in our community.

Busey Bank has an interest in this project for several reasons. Providing wider use of the Internet allows more of our customers to interact with us electronically keeping their cost of acquiring services lower. Additionally, Busey looks forward to being able to purchase Big Broadband services over the UC2B network to improve our connectivity and help in managing our expenses.

This project is a great example of the collaboration between the city governments, the University of Illinois, the school districts and local businesses for the good of the community.

The Broadband Technology Opportunities Program funding of the UC2B project will provide Internet services for those in our community who heretofore would be unable to have access. In addition, stimulating the local economy through the implementation of the project and allowing local businesses to take advantage of improved connectivity for customer access and internal operations are important benefits.

Your serious consideration of providing funding for the UC2B project will be most appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Schlorff", written over a large, faint circular watermark or stamp.

Donald J. Schlorff  
Executive Vice President



**Ploughman Analytics**

Charles D. Linville, Ph.D.  
2021 S 1st St Ste 206D  
Champaign IL 61820-7477  
(217) 693-4000  
August 10, 2009

Broadband Technology Opportunities Program  
Department of Commerce  
Washington, DC

Dear colleagues:

I am writing to explain my participation in the UC2B Infrastructure, Public Computing and Sustainability project. Ploughman Analytics is a locally-owned analytics consultancy, providing geographic information systems, business intelligence, operations research, and knowledge management services to the agriculture and energy sectors.

Early information about crop production and conditions in the United States and elsewhere can be of tremendous value to society. This information helps markets find efficient prices for agricultural commodities, and these prices facilitate planning and decision making for individuals, firms, and governments as they respond to changes in production and consumption of commodities used for food, feed, fuel, and fiber. Acquiring, analyzing, and disseminating information about agricultural production from a variety of sources, including instruments on satellites, is facilitated by high bandwidth/low cost data networks. At present, the cost and magnitude of currently available bandwidth limits our analytics practice, and constrains our research and development goals in this area.

High bandwidth/low cost data networks such as those planned by UC2B would remove constraints to our practice and research and development efforts. It would facilitate more rapid growth of our business, and could contribute to the societal benefits of advanced methods in assessing crop production and conditions. Our participation will be to seek to purchase higher speed lower cost bandwidth from the businesses who will supply "last mile" from the "middle mile" fiber rings UC2B will build. Without high bandwidth/low cost data networks local businesses are disadvantaged relative to those located on big broadband elsewhere in the US or the world.

A handwritten signature in black ink, appearing to read 'Charles D. Linville', is written over a light blue background.

Charles D. Linville





121 South 17th Street, Mattoon, IL 61938-3987  
www.consolidated.com  
Tel 217 235 3311

August 10, 2009

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

U.S. Department of Commerce,

This letter is to inform you Consolidated Communications, Inc. (CCI) is in support of the Urbana-Champaign Big Broadband (UC2B) project that will be reviewed and awarded by the National Telecommunications and Information Administration.

Consolidated Communications, Inc. is an Independent Telephone Company (ILEC) that has served Central Illinois since 1894. CCI is a full services IP based network company that supports video services, high speed DSL, and IP voice services. If the UC2B project is funded by NTIA, CCI would highly consider becoming a full services IP service provider for the project. We are in full support of increasing broadband services in the Champaign / Urbana area.

Thank you for your time and if you have any questions, please feel free to contact me at 217-234-5600.

Sincerely,

A handwritten signature in black ink that reads "Michael W. Smith". The signature is written in a cursive, flowing style.

Michael W. Smith  
Vice President Marketing



August 12, 2009

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

U.S. Department of Commerce,

Champaign Telephone Company (CTC) supports the Urbana-Champaign Big Broadband (UC2B) project that will be reviewed and awarded by the National Telecommunications and Information Administration.

CTC, Inc. is a Competitive Local Exchange Carrier (CLEC) that has served Central Illinois since 1984. CTC provides structured cabling, Internet connectivity, Digital and IP voice services.

If the UC2B project is funded by NTIA, CTC would offer a full range of IP services using the fiber infrastructure installed for this project. We are in full support of increasing the Big Broadband services available in this community.

Thank you for your consideration and if you have any questions, please feel free to contact me at 217-531-1000.

Sincerely,

A handwritten signature in purple ink, appearing to read 'Michael Hosier', is written over a faint, larger version of the signature.

Michael Hosier  
President  
Champaign Telephone Company

1300 S. Neil Street • Champaign, IL 61820  
Phone (217)344-4444 • Fax (217)398-5923 • Toll Free (800)337-4282  
[www.ctc.biz](http://www.ctc.biz)



UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Office of the Provost and Vice Chancellor  
for Academic Affairs

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



August 10, 2009

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

Dear Sir/Madam;

I am writing in regard to the University of Illinois at Urbana-Champaign's involvement in the Urbana-Champaign Big Broadband Consortium. While this critical infrastructure project will provide a great benefit to the campus and local community, it would have been impossible for the university to pursue this project without federal support. During four of the last five years, the Urbana-Champaign campus fully expended its unrestricted operating funds. As the campus budget officer, I certify that without federal grant assistance, it would be impossible for the campus to implement this project.

Please let me know if you require additional information.

Cordially,

Michael Andrechak  
Associate Provost for Budgets  
and Resource Planning

**44. General Overall Budget: Please fill out the following table.**

Budget							
	Loan Request	Grant Request	Equity	Debt	Bonds	Other Funding	Total
Network & Access Equipment (switching,routing, transport, access)	\$0	\$2,368,097	\$0	\$0	\$0	\$0	<b>\$2,368,097</b>
Outside Plant (cables,conduits, ducts, poles,towers, repeaters, etc.)	\$0	\$21,229,754	\$4,393,021	\$0	\$0	\$0	<b>\$25,622,775</b>
Buildings and Land - (new construction, improvements, renovations, lease)	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$0</b>
Customer Premise Equipment(modems, set-top boxes, inside wiring, etc.)	\$0	\$750,000	\$0	\$0	\$0	\$0	<b>\$750,000</b>
Billing and Operational Support Systems (IT systems, software, etc.)	\$0	\$0	\$30,000	\$0	\$0	\$0	<b>\$30,000</b>
Operating Equipment (vehicles, office equipment, other)	\$0	\$0	\$10,000	\$0	\$0	\$0	<b>\$10,000</b>
Professional Services (engineering design, projectmanagement, consulting, etc.)	\$0	\$0	\$725,000	\$0	\$0	\$0	<b>\$725,000</b>
Testing (network elements,IT system elements, user devices, test generators, labfurnishings, servers/computers, etc.)	\$0	\$0	\$190,000	\$0	\$0	\$0	<b>\$190,000</b>
Site Preparation	\$0	\$0	\$500,000	\$0	\$0	\$0	<b>\$500,000</b>
Indirect Cost Recovery	\$0	\$0	\$1,004,128	\$0	\$0	\$0	<b>\$1,004,128</b>
<b>Total Broadband System</b>	<b>\$0</b>	<b>\$24,347,851</b>	<b>\$6,852,149</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$31,200,000</b>

DETAIL OF PROJECT COSTS

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

SERVICE AREA or COMMON NETWORK FACILITIES:		Eligibility (Yes/No)	Unit Cost	No. of Units	Total Cost	Support of Reasonableness
<b>NETWORK &amp; ACCESS EQUIPMENT</b>						
Switching						
Routing						
Transport						
Access						
Other						
<b>OUTSIDE PLANT</b>						
Cables						
Conduits						
Ducts						
Poles						
Towers						
Repeaters						
			349			

**DETAIL OF PROJECT COSTS**

<b>SERVICE AREA or COMMON NETWORK FACILITIES:</b>		<b>Eligibility (Yes/No)</b>	<b>Unit Cost</b>	<b>No. of Units</b>	<b>Total Cost</b>	<b>Support of Reasonableness</b>
<b>NETWORK &amp; ACCESS EQUIPMENT</b>						
<b>Other</b>						
<b>BUILDINGS</b>						
<b>New Construction</b>						
<b>Pre-Fab Huts</b>						
<b>Improvements &amp; Renovation</b>						
<b>Other</b>						
<b>CUSTOMER PREMISE EQUIPMENT</b>						
<b>Modems</b>						
<b>Set Top Boxes</b>						
<b>Inside Wiring</b>						
<b>Other</b>						
<b>BILLING SUPPORT AND OPERATIONS SUPPORT SYSTEMS</b>						
<b>Billing Support Systems</b>						
<b>Customer Care Systems</b>						
<b>Other Support</b>						
		<b>350</b>				

**DETAIL OF PROJECT COSTS**

<b>SERVICE AREA or COMMON NETWORK FACILITIES:</b>		<b>Eligibility (Yes/No)</b>	<b>Unit Cost</b>	<b>No. of Units</b>	<b>Total Cost</b>	<b>Support of Reasonableness</b>
<b>OPERATING EQUIPMENT</b>						
<b>Vehicles</b>						
<b>Office Equipment/ Furniture</b>						
<b>Other</b>						
<b>PROFESSIONAL SERVICES</b>						
<b>Engineering Design</b>						
<b>Project Management</b>						
<b>Consulting</b>						
<b>Other</b>						
<b>TESTING</b>						
<b>Network Elements</b>						
<b>IT System Elements</b>						
<b>User Devices</b>						
<b>Test Generators</b>						
<b>Lab Furnishings</b>						
<b>Servers/ Computers</b>						

**DETAIL OF PROJECT COSTS**

<b>SERVICE AREA or COMMON NETWORK FACILITIES:</b>		<b>Eligibility (Yes/No)</b>	<b>Unit Cost</b>	<b>No. of Units</b>	<b>Total Cost</b>	<b>Support of Reasonableness</b>
<b>OTHER UPFRONT COSTS</b>						
<b>Site Preparation</b>						
<b>Other</b>						



#### **47. Historical Financial Statements:**

The Urbana-Champaign Big Broadband (UC2B) Consortium was specifically formed for the purpose of seeking ARRA funding and implementing the three UC2B proposals. There are no historical or current financial statements. Those working on the Consortium have either been doing so within the context of their employment with one of the two cities or the University of Illinois, or have been community volunteers.

The University has been in business since 1867 and the two cities even longer, but their financial statements would not be relevant to the BTOP proposals being considered by NTIA. As a public entity, the UC2B Consortium will have public financial statements available once operations commence.

As the University of Illinois is the lead agency for the consortium, appended here are the University's last two years of financial statements. If this document is truncated upon uploading to easygrants, the full documents are online at:

<http://www.obfs.uillinois.edu/obfshome.cfm?level=2&path=aboutobfs&xmldata=annualreports>



UNIVERSITY OF ILLINOIS  
URBANA-CHAMPAIGN • CHICAGO • SPRINGFIELD

ANNUAL FINANCIAL REPORT  
*Fiscal Year 2007*





AUDITED FINANCIAL STATEMENTS

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**Statement of Net Assets as of June 30, 2007**  
with Comparative Totals for 2006 (in thousands)

	University		University Related Organizations	
	2007	2006	2007	2006
<b>ASSETS</b>				
<b>Current Assets:</b>				
Cash and cash equivalents	\$ 281,621	\$ 206,549	\$ 3,724	\$ 4,746
Cash and cash equivalents, restricted	365,395	180,516	2,346	1,157
Investments	4,490	21,274		
Investments, restricted	48,851	70,978		
Accrued investment income	5,091	5,228	2,033	1,800
Accounts receivable, net of allowance for uncollectible	335,262	326,248	33,905	15,284
Receivable from State of Illinois General Revenue Fund	1,577	929		
Pledges receivable, net of allowance			4,591	5,447
Notes receivable, net of allowance for uncollectible	10,998	14,062		
Accrued interest on notes receivable	2,895	3,011		
Inventories	27,542	25,232	4	3
Prepaid expenses and deferred charges	21,046	16,741	373	371
Due from related organizations	3,054	2,898		
Other assets			4,183	3,896
<b>Total Current Assets</b>	<b>1,107,822</b>	<b>873,666</b>	<b>51,159</b>	<b>32,704</b>
<b>Noncurrent Assets:</b>				
Cash and cash equivalents, restricted			1,447	591
Investments	339,340	353,934	152,774	143,122
Investments, restricted	235,904	262,184	1,095,925	923,111
Pledges receivable, net of allowance			20,656	17,769
Notes receivable, net of allowance for uncollectible	50,349	42,086		
Real estate and farm properties	14,060	13,468	24,406	26,021
Prepaid expenses	10,349	8,849		
Due from related organizations	3,577	6,774		
Irrevocable trust held by other trustees			8,617	9,562
Capital assets, net of accumulated depreciation	3,109,396	2,969,989	9,201	9,164
Other assets	12,851	6,137	15,289	14,777
<b>Total Noncurrent Assets</b>	<b>3,775,826</b>	<b>3,663,421</b>	<b>1,328,315</b>	<b>1,144,117</b>
<b>TOTAL ASSETS</b>	<b>\$ 4,883,648</b>	<b>\$ 4,537,087</b>	<b>\$ 1,379,474</b>	<b>\$ 1,176,821</b>
<b>LIABILITIES AND NET ASSETS</b>				
<b>Current Liabilities:</b>				
Accounts payable and accrued liabilities	\$ 195,080	\$ 158,681	\$ 57,584	\$ 41,196
Accrued payroll	119,267	115,608	564	457
Accrued compensated absences, current portion	16,761	16,671	984	922
Accrued self insurance, current portion	39,761	34,105		
Deferred revenue and student deposits	148,277	141,275	41	761
Accrued interest payable	17,191	13,648		
Notes payable			6,402	6,657
Annuities payable			6,700	7,331
Bonds payable, current portion	31,243	29,133		
Due to related organizations, current portion			3,054	2,898
Leaseholds payable and other obligations, current portion	34,285	32,691		
Assets held for others	32,530	28,634	89	
<b>Total Current Liabilities</b>	<b>634,395</b>	<b>570,446</b>	<b>75,418</b>	<b>60,222</b>
<b>Noncurrent Liabilities:</b>				
Bonds payable	1,060,804	805,579		
Leaseholds payable and other obligations	463,755	492,332		
Due to related organizations			3,577	6,774
Accrued compensated absences	192,421	190,636		
Accrued self-insurance	116,417	108,109		
Annuities payable			44,408	44,359
Remainder interest due to others			7,360	6,660
Deferred distributions			61	46
<b>Total Noncurrent Liabilities</b>	<b>1,833,397</b>	<b>1,596,656</b>	<b>55,406</b>	<b>57,839</b>
<b>Total Liabilities</b>	<b>2,467,792</b>	<b>2,167,102</b>	<b>130,824</b>	<b>118,061</b>
<b>NET ASSETS</b>				
Invested in capital assets, net of related debt	1,842,039	1,834,372	2,799	2,507
Restricted:				
Nonexpendable	51,345	45,520	838,362	703,487
Expendable	392,651	364,599	377,944	328,947
Unrestricted	129,821	125,494	29,545	23,819
<b>Total Net Assets</b>	<b>2,415,856</b>	<b>2,369,985</b>	<b>1,248,650</b>	<b>1,058,760</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 4,883,648</b>	<b>\$ 4,537,087</b>	<b>\$ 1,379,474</b>	<b>\$ 1,176,821</b>

See accompanying notes to financial statements.

**Statement of Revenues, Expenses and Changes in Net Assets**  
Year Ended June 30, 2007 with Comparative Totals for 2006 (in thousands)

	University		University Related Organizations	
	2007	2006	2007	2006
<b>OPERATING REVENUES:</b>				
Student tuition and fees, net	\$ 608,780	\$ 554,856	\$	\$
Fee for services - state appropriation	46,207	44,626		
Federal appropriations	18,183	15,805		
Federal grants and contracts	585,981	593,144		
State of Illinois grants and contracts	82,382	68,646		
Private gifts, grants, and contracts	115,210	108,159	111,520	114,954
Educational activities	215,348	197,089		
Auxiliary enterprises, net	304,094	282,321		
Hospital and other medical activities, net	424,211	408,406		
Medical service plan	144,303	141,336		
Independent operations	10,620	11,786		
Interest and service charges on student loans	1,100	2,913		
On behalf - hospital and other medical activities	71,610	61,221		
Allocation from the University			12,324	8,642
Other sources			34,502	30,968
<b>TOTAL OPERATING REVENUES</b>	<b>2,628,029</b>	<b>2,490,308</b>	<b>158,346</b>	<b>154,564</b>
<b>OPERATING EXPENSES:</b>				
Instruction	703,540	666,200		
Research	561,876	556,874		
Public service	326,348	300,990		
Academic support	236,561	218,043		
Student services	88,374	82,656		
Institutional support	167,172	150,572	41,381	35,213
Operation and maintenance of plant	218,028	229,038		
Scholarships and fellowships	198,016	185,155		
Auxiliary enterprises	234,751	229,935		
Hospital and medical activities	431,762	406,466		
Independent operations	10,023	9,639		
Depreciation	191,679	185,105	510	328
On behalf payments for fringe benefits	376,657	327,927		
Distributions on behalf of the University			128,731	127,279
<b>TOTAL OPERATING EXPENSES</b>	<b>3,744,787</b>	<b>3,548,600</b>	<b>170,622</b>	<b>162,820</b>
Operating loss	(1,116,758)	(1,058,292)	(12,276)	(8,256)
<b>NONOPERATING REVENUES (EXPENSES):</b>				
State appropriations	665,752	655,521		
Private gifts	127,907	116,111		
On behalf payments for fringe benefits	305,047	266,706	1,540	1,770
Net investment income (net of investment expense of \$2,124 in 2007)	63,733	38,992	10,336	7,499
Net increase in the fair value of investments	36,429	3,200	162,440	85,957
Interest on capital asset related debt	(71,768)	(61,657)	(541)	(465)
Loss on sale/disposal of capital assets	(1,834)	(1,063)		
Other nonoperating revenues	15,590	35,575	38	
Other nonoperating expenses				(6,950)
<b>Net nonoperating revenues (expenses)</b>	<b>1,140,856</b>	<b>1,053,385</b>	<b>173,813</b>	<b>87,811</b>
Income (loss) before other revenues, expenses, gains, or losses	24,098	(4,907)	161,537	79,555
Capital state appropriations	12,287	53,961		
Capital gifts and grants	8,541	11,639		
Private gifts for endowment purposes	945	208	28,353	31,397
<b>INCREASE IN NET ASSETS</b>	<b>45,871</b>	<b>60,901</b>	<b>189,890</b>	<b>110,952</b>
<b>NET ASSETS, BEGINNING OF YEAR</b>	<b>2,369,985</b>	<b>2,309,084</b>	<b>1,058,760</b>	<b>947,808</b>
<b>NET ASSETS, END OF YEAR</b>	<b>\$ 2,415,856</b>	<b>\$ 2,369,985</b>	<b>\$ 1,248,650</b>	<b>\$ 1,058,760</b>

See accompanying notes to financial statements.

## Statement of Cash Flows

Year Ended June 30, 2007 with Comparative Totals for 2006 (in thousands)

	University		University Related Organizations	
	2007	2006	2007	2006
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>				
Student tuition and fees	\$ 609,257	\$ 559,611	\$	\$
Medical fees for service - state appropriations	46,207	44,626		
Federal, state, and local grants and contracts	686,489	680,459		
Private gifts, grants, and contracts	111,556	101,775	2,799	3,336
Sales and services of educational and other departmental activities	216,315	202,755		
Contributions and gifts			98,304	97,889
Service fee revenue			19,561	16,233
Auxiliary activities and independent operations	313,872	293,345		
Hospital and other medical activities	420,791	407,355		
Medical service plan	149,117	131,910		
Distributions on behalf of the University			(119,352)	(116,802)
Allocation from the University			8,376	8,226
Payments to employees and benefits	(2,036,192)	(1,947,205)	(18,866)	(16,800)
Payments to suppliers	(1,058,408)	(1,025,991)	(13,064)	(11,039)
Payments to annuitants	(40,991)	(39,086)	(7,853)	(8,088)
Student loans issued	(18,209)	(13,807)		
Student loans collected	11,297	13,071		
Student loan interest and fees collected	1,258	1,303		
Other operating revenue			11,715	8,193
<b>NET CASH USED BY OPERATING ACTIVITIES</b>	<b>(587,641)</b>	<b>(589,879)</b>	<b>(18,380)</b>	<b>(18,852)</b>
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:</b>				
State appropriations	665,104	655,838		
Gifts transferred from University of Illinois Foundation	127,907	116,111		
Private gifts for endowment purposes	14	663	28,353	31,397
Advances and repayments to related organizations, net	3,041	(4,611)	(1,772)	(400)
Other, net	11,106	28,135	(191)	(78)
<b>NET CASH PROVIDED BY NONCAPITAL FINANCING ACTIVITIES</b>	<b>807,172</b>	<b>796,136</b>	<b>26,390</b>	<b>30,919</b>
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:</b>				
Proceeds from issuance of capital debt	330,171	198,746		
Capital state appropriations	659	9,004		
Capital gifts and grants	2,872	9,634		
Proceeds from the sale of capital assets		9,845		3,084
Purchase of capital assets	(297,769)	(226,475)	(764)	(713)
Principal payments on bonds and capital leases	(115,840)	(100,707)		
Interest payments on bonds and capital leases	(57,089)	(49,869)	(325)	(396)
Payment on notes payable and due to related organizations			(1,398)	(4,803)
Payments of bond issuance costs	(2,667)	(1,330)		
Other, net			(309)	(323)
<b>NET CASH USED BY CAPITAL AND RELATED FINANCING ACTIVITIES</b>	<b>(139,663)</b>	<b>(151,152)</b>	<b>(2,796)</b>	<b>(3,151)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>				
Interest and dividends on investments, net	56,759	37,820	13,218	9,789
Proceeds from sales and maturities of investments	13,681,316	10,966,314	1,247,304	1,004,680
Purchase of investments	(13,557,992)	(10,938,945)	(1,264,713)	(1,023,412)
<b>NET CASH PROVIDED (USED) BY INVESTING ACTIVITIES</b>	<b>180,083</b>	<b>65,189</b>	<b>(4,191)</b>	<b>(8,943)</b>
Net increase (decrease) in cash and cash equivalents	259,951	120,294	1,023	(27)
Cash and Cash Equivalents, Beginning of Year	387,065	266,771	6,494	6,521
<b>CASH AND CASH EQUIVALENTS, END OF YEAR</b>	<b>\$ 647,016</b>	<b>\$ 387,065</b>	<b>\$ 7,517</b>	<b>\$ 6,494</b>

## Statement of Cash Flows

Year Ended June 30, 2007 with Comparative Totals for 2006 (in thousands) - (continued)

	University		University Related Organizations	
	2007	2006	2007	2006
Reconciliation of operating loss to net cash used by operating activities:				
Operating loss	\$ (1,116,758)	\$ (1,058,292)	\$ (12,276)	\$ (8,256)
Adjustments to reconcile operating loss to net cash used by operating activities:				
On behalf payments for reimbursement of hospital and medical activities	(71,610)	(61,221)		
On behalf payments for fringe benefits expense	376,657	327,927	1,540	1,770
Depreciation expense	191,679	185,105	510	328
Changes in assets and liabilities:				
Accounts receivable, net	(8,674)	(14,042)	(214)	633
Notes receivable, net	(5,198)	(2,149)		
Accrued interest on notes receivable	116	(1,610)		
Inventories	(2,310)	(2,330)	(1)	2
Prepaid expenses and deferred charges	(3,038)	1,671	(4)	(90)
Pledges receivable			(2,000)	(5,000)
Noncurrent assets other			(5,814)	(8,289)
Accounts payable	21,101	10,674	387	(79)
Accrued payroll	3,659	10,768	61	4
Deferred revenue and student deposits	7,001	9,703	(720)	15
Accrued compensated absences	1,874	1,232	62	110
Accrued self insurance	13,964	11,238		
Assets held for others	3,896	(8,553)	89	
<b>Net cash used by operating activities</b>	<b>\$ (587,641)</b>	<b>\$ (589,879)</b>	<b>\$ (18,380)</b>	<b>\$ (18,852)</b>
Noncash investing, capital, and financing activities:				
On behalf payments for fringe benefits	\$ 305,047	\$ 266,706	\$ 1,574	\$ 1,770
Gifts in kind	5,669	2,005	12,291	19,406
Capital assets in accounts payable	64,258	48,961	50	49
Capital asset acquisitions by CDB	11,628	44,957		
Capital asset acquisitions via leaseholds payable	2,644	11,096		
Capital appreciation on bonds payable	10,763	10,662		
Net interest capitalized	676	1,263		
Other capital asset adjustments	763	1,329		
Loss on sale/disposal of capital assets	1,834	1,063		

See accompanying notes to financial statements.

# NOTES TO FINANCIAL STATEMENTS

## NOTE 1 - ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### Organization and Basis of Presentation

The University of Illinois (University), a federal land grant institution and a component unit of the State of Illinois, conducts education, research, public service and related activities principally at its three campuses in Urbana-Champaign, Springfield and Chicago, which include the University of Illinois Hospital (Hospital) and other health care facilities. The governing body of the University is The Board of Trustees of the University of Illinois (Board).

As required by accounting principles generally accepted in the United States of America, as prescribed by the Governmental Accounting Standards Board (GASB), these financial statements present the financial position and financial activities of the University (the primary government) and its component units as well as certain activities and expenses funded by other State agencies on behalf of the University or its employees. The component units discussed below are included in the University's financial reporting entity (Entity) because of the significance of their financial relationship with the University.

The University Related Organizations' (UROs) column in the financial statements includes the financial data of the University's discretely presented component units. The University of Illinois Foundation (Foundation), the University of Illinois Alumni Association (Alumni Association), and Wolcott, Wood and Taylor, Inc. (WWT) are included in the University's reporting entity because of the significance of their operational or financial relationship with the University. These component units are discretely presented in a separate column to emphasize that they are Illinois non-profit organizations legally separate from the University.

The Foundation was formed for the purpose of providing fund raising and other assistance to the University in order to attract private gifts to support the University's instructional, research and public service activities. In this capacity, the Foundation solicits, receives, holds and administers gifts for the benefit of the University. Complete financial statements for the Foundation may be obtained by writing the Director of Business and Administration, 414C Harker Hall, 1305 W. Green Street, Urbana, IL 61801.

The Alumni Association was formed to promote the general welfare of the University and to encourage and stimulate interest among students, former students and others in the University's programs. In this capacity, the Alumni Association offers memberships in the Alumni Association to former students, conducts various activities for students and alumni, and publishes periodicals for the benefit of alumni. Complete financial statements for the Alumni Association may be obtained by writing the Director of Administration and Business Affairs, Alice Campbell Alumni Center, 601 S. Lincoln Avenue, Urbana, IL 61801.

WWT was formed to provide practice management support services and operate as a billing/collection entity for health care activities under the laws of the State of Illinois. Complete financial information may be obtained by writing the President and CEO, 200 W. Adams, Suite 225, Chicago, IL 60606.

Prairieland Energy, Inc. (Prairieland), a for profit, wholly-owned subsidiary, was formed for the purpose of providing support for the University through delivery of comprehensive economical utility services to all campuses of the University.

Illinois Ventures, LLC (Illinois Ventures), a for profit, wholly-owned subsidiary, exists to facilitate the development of new companies commercializing technology originated or developed by faculty, staff and/or students of the University. The University desires Illinois Ventures to foster technology commercialization and economic development in accordance with the teaching, research, and public service missions of the University.

The University of Illinois Research Park, LLC, (Research Park), a for profit, wholly-owned subsidiary, was formed to aid and assist the University by establishing and operating a research park on the University's Urbana-Champaign campus. The Research Park was designed to promote the development of new companies which commercialize University technologies.

Activities of Prairieland, Illinois Ventures, and the Research Park for the current fiscal year, which were minimal, have been incorporated in the University's financial statements using the blended method.

The Foundation, Alumni Association, WWT, Prairieland, Illinois Ventures and the Research Park are related organizations as defined under *University Guidelines* adopted by the State of Illinois Legislative Audit Commission.



The University is a component unit of the State of Illinois for financial reporting purposes. The financial balances and activities included in these financial statements are, therefore, also included in the State's comprehensive annual financial report.

The basic financial statements include prior year comparative information, which has been derived from the University's 2006 financial statements. Such information does not include all of the information required to constitute a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the University's financial statements for the year ended June 30, 2006.

Certain items in the June 30, 2006 financial statements have been reclassified to correspond to the June 30, 2007 presentation.

The Entity's resources are classified into net asset categories and reported in the Statement of Net Assets. These categories are defined as (a) Invested in capital assets, net of related debt - capital assets net of accumulated depreciation and outstanding debt balances (b) Restricted nonexpendable - assets restricted by externally imposed stipulations (c) Restricted expendable - assets subject to externally imposed restrictions that can be fulfilled by actions of the Entity pursuant to those stipulations or that expire by the passage of time and (d) Unrestricted - assets not subject to externally imposed stipulations but may be designated for specific purposes by action of management or the Board of Trustees.

### Significant Accounting Policies

The Entity prepared its financial statements as a Business Type Activity, as defined by GASB Statement No. 35, using the economic resources measurement focus and the accrual basis of accounting. Business Type Activities are those financed in whole or in part by fees charged to external parties for goods and services.

The Statement of Revenues, Expenses, and Changes in Net Assets classifies the Entity's fiscal year activity as operating and nonoperating. Operating revenues generally result from exchange transactions such as payments received for providing goods and services, including tuition and fees, net of scholarships and fellowships, certain grants and contracts, sales and services of educational activities, hospital, and auxiliary enterprise revenues.

Scholarships and fellowships of \$144,313,000 and \$2,707,000 are netted against student tuition and fees and auxiliary enterprises revenues, respectively. Stipends and other payments made directly to students are reported as scholarship and fellowship expense. Net tuition and fees, except for Summer Session, are recognized as revenues as they are assessed. The portion of Summer Session tuition and fees applicable to the following fiscal year is deferred.

Grant and contract revenues which are received or receivable from external sources are recognized as revenues to the extent of related expenses or satisfaction of eligibility requirements on the accrual basis. Advances are classified as deferred revenue.

Certain revenue sources that the Entity relies on to provide funding for operations including State appropriations, gifts, and investment income are defined by GASB Statement No. 35 as nonoperating. In addition, transactions related to capital and financing activities are components of nonoperating revenues.

Appropriations made from the State of Illinois General Revenue Fund for the benefit of the University are recognized as nonoperating revenues when eligibility requirements are satisfied.

In accordance with GASB Statement No. 24, *Accounting and Financial Reporting for Certain Grants and Other Financial Assistance*, the University reported payments made to the State Universities Retirement System on behalf of the Entity for contributions to retirement programs for Entity employees of approximately \$107,982,000 for the year ended June 30, 2007. Substantially all employees participate in group health insurance plans administered by the State of Illinois. The employer contributions to these plans for University employees paid by State appropriations and auxiliary enterprises are paid to Central Management Services on behalf of the University. The employer contributions to these plans on behalf of employees paid from other University-held funds are paid by the University. The on behalf payments are approximately \$268,675,000 for 2007. The cost of these benefits paid on behalf of the Hospital are reflected as operating revenues as the result of certain contractual agreements. All other on behalf payments are reflected as nonoperating revenues. In all cases, the corresponding on behalf expense is reflected as operating and reported in on behalf payments for fringe benefits.

With respect to the Hospital, net patient service revenue is reported at the estimated net realizable amounts due from patients, third-party payors, and others for services rendered, including estimated retroactive adjustments under reimbursement agreements with third-party payors. Retroactive adjustments are accrued on an estimated basis in the period the related services are rendered and adjusted in future periods as final settlements are determined. The Hospital has agreements with third-party payors that provide for payments to the Hospital at amounts different from its established

rates. Approximately 93% of the Hospital's net patient service revenues were derived from Medicare, Medicaid, Blue Cross and managed care programs for the year ended June 30, 2007. Payments under these programs are based on established program rates or costs, as defined, of rendering services to program beneficiaries. The Hospital provides contractual allowances on a current basis for the differences between charges for services rendered and the expected payments under these programs. For the year ended June 30, 2007, the contractual allowances totalled \$801,308,000.

The Entity first applies restricted net assets when an expense or outlay is incurred for purposes for which both restricted and unrestricted net assets are available.

The majority of the Entity's expenses are exchange transactions which GASB defines as operating expenses for financial statement presentation. Nonoperating expenses include capital financing costs and costs related to investment activity.

Employment contracts for certain academic personnel provide for twelve monthly salary payments, although the contracted services are rendered during a nine month period. The liability for those employees who have completed their contracted services, but have not yet received final payment, was approximately \$49,087,000 at June 30, 2007 and is recorded in the accompanying financial statements. This amount will be paid from amounts specifically included in State of Illinois General Revenue Fund appropriations to the University for fiscal year 2008 rather than from the unrestricted net assets available at June 30, 2007.

Accrued compensated absences for Entity personnel are charged as an operating expense, using the vesting method, based on earned but unused vacation and sick leave days including the Entity's share of social security and medicare taxes. At June 30, 2007, the University estimates that \$119,892,000 of the accrued compensated absences liability will be paid out of State of Illinois General Revenue Fund appropriations to the University in subsequent years, rather than from unrestricted net assets available at June 30, 2007.

The Statement of Cash Flows details the change in the cash and cash equivalents balance for the fiscal year. Cash and cash equivalents include bank accounts and investments with original maturities of ninety days or less at the time of purchase. Such investments consist primarily of U.S. Treasury bills, commercial paper, repurchase agreements and money market funds.

Inventories are stated at the lower of cost or market. Cost is determined principally by the average cost method.

For donor restricted endowments, the Uniform Management of Institutional Funds Act, as adopted in Illinois, permits the Board of Trustees of the University of Illinois to appropriate an amount of realized and unrealized endowment appreciation as they determine to be prudent. The University's policy is to retain the endowment realized and unrealized appreciation with the endowment after spending rule distributions.

Capital assets are recorded at cost or fair value at the date of a gift. Depreciation of the capital assets is calculated on a straight-line basis over the estimated useful lives (three to fifty years) of the respective assets. The University's policy requires the capitalization of all land and collection purchases regardless of cost, equipment at \$5,000, buildings and improvements at \$100,000, and infrastructure at \$1,000,000. The Entity does not capitalize collections of works of art or historical treasures held for public exhibition, education, or research in furtherance of public service rather than capital gain, unless they were capitalized as of June 30, 1999. Proceeds from the sale, exchange, or other disposal of any item belonging to a collection of works of art or historical treasures must be applied to the acquisition of additional items for the same collection.

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. A material estimate that is particularly susceptible to significant change in the near term relates to the determination of the allowance for doubtful accounts and contractual allowances.

In accordance with GASB Statement No. 20, *Accounting and Financial Reporting for Proprietary Funds and Other Governmental Entities That Use Proprietary Fund Accounting*, the Entity follows all applicable GASB pronouncements. In addition, the Entity applies all applicable Financial Accounting Standards Board (FASB) Statements and Interpretations, Accounting Principles Board (APB) Opinions and Accounting Research Bulletins of the Committee on Accounting Procedures issued on or before November 30, 1989 unless those pronouncements conflict with or contradict GASB pronouncements. The Entity has elected not to apply FASB pronouncements issued after November 30, 1989.

## NOTE 2 - CASH AND DEPOSITS

The carrying amount of the University's and the UROs' cash totalled \$(17,072,000) and \$6,666,000 at June 30, 2007, respectively.

The total bank account balances at June 30, 2007, of the University and the UROs, aggregated \$8,272,000, and \$5,733,000, respectively, of which \$8,272,000, and \$4,349,000, respectively, was covered by federal depository insurance or by collateral held by an agent in the Entity's name.

Certificates of Deposit, which are reported as investments per GASB Statement No. 9, for the University and the UROs totaled \$400,000 and \$33,000, respectively, at June 30, 2007 and were covered by federal depository insurance or collateral held by an agent in the Entity's name.

## NOTE 3 - CASH EQUIVALENTS AND INVESTMENTS

Illinois Statutes govern the investment policies of the University and the UROs. Allowable investments under these policies include:

- Obligations of the U.S. Treasury, other federal agencies, and instrumentalities
- Bank and savings and loan time deposits
- Corporate bonds and stocks
- Commercial paper
- Repurchase agreements
- Mutual funds

Additionally, the University has investments in real estate and farm properties that are carried at cost, or when donated, at the fair value at the date of donation. All other investments are carried at their fair value, as determined by quoted market prices when available, and otherwise by generally accepted valuation principles. Investment income and the change in fair value of investments is recognized in the fund which owned such investments, except for income derived from investments of the University Endowment Fund which is recognized in the fund to which the income is restricted.

Illinois Statutes require a third party custodian to perfect the University's security interest under repurchase agreements. The University follows industry standards and requires that securities underlying repurchase agreements must have a fair value of at least 102% of the cost of the repurchase agreement. At June 30, 2007, the University and the UROs had repurchase agreements of \$291,943,000 and \$851,000, respectively and the market value of securities underlying these repurchase agreements was \$307,321,000 and \$851,000, respectively, at June 30, 2007.

Nearly all of the University's and the UROs' investments are managed by external professional investment managers, who have full discretion to manage their portfolios subject to investment policy and manager guidelines established by the University and the UROs, and in the case of mutual funds and other commingled vehicles, in accordance with the applicable prospectus.

Distributions are made from the University Endowment Fund to the University entities that benefit from the endowment funds. The endowment spending rule provides for an annual distribution of 4.75% of the two-quarter lagged, seven-year moving average market value of fund units. At June 30, 2007 net appreciation of \$12,986,000 is available to be spent, of which \$11,841,000 is restricted to specific purposes.

The Board develops University policy on investments and delegates the execution of those policies to its administrative agents. The University follows the State of Illinois Uniform Management of Institutional Funds Act when investing its endowment and operating funds. The State of Illinois Public Funds Investment Act provides the context and framework for plant fund investments. The following details the carrying value of the University's and the UROs' investment portfolio as of June 30, 2007:

**UNIVERSITY CASH EQUIVALENTS  
AND INVESTMENTS**  
(in thousands)

Certificates of Deposit	\$ 400
U.S. Treasury Put	4,345
U.S. Treasury Bonds and Bills	100,391
U.S. Government Agencies	66,103
Commercial Paper	36,910
Corporate Bonds	115,086
Bond Mutual Funds	67,036
Non Government Mortgage Backed Securities	73,842
Non U.S. Government Bonds	3,355
Repurchase Agreements	291,943
Money Market Funds	320,589
Illinois Public Treasurer's Investment Pool	3,947
Subtotal before equities and other investments	1,083,947
US Equities	27,249
International Equities	45,966
U.S. Equity Mutual Funds	128,454
Limited Partnerships	7,056
Real Estate	1
<b>TOTAL</b>	<b>\$ 1,292,673</b>

**URO CASH EQUIVALENTS  
AND INVESTMENTS**  
(in thousands)

Certificates of Deposit	\$ 33
U.S. and Other Government Securities	65,401
Municipal Bonds	271
Corporate Bonds and Notes	61,949
Mutual Funds - Bonds	120,973
Mutual Funds - Municipal Bonds	2,268
Mutual Funds - Blended Bonds	4,951
Mutual Funds - Money Market	32,245
Repurchase Agreements	851
Subtotal before equities and other investments	288,942
U.S. Equities	306,777
International Equities	197,938
Preferred Stock	3
Mutual Funds - Stocks	213,486
Real Estate Trust and Partnerships	238,539
Other	3,865
<b>TOTAL</b>	<b>\$ 1,249,550</b>

*Interest Rate Risk:* Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The University employs multiple investment managers, of which each has specific maturity assignments related to the operating funds. The funds are structured with different layers of liquidity. Funds expected to be used within one year are invested in money market instruments. Core operating funds are invested in longer maturity investments. Core operating funds investment manager's performance benchmarks are Lehman Brothers 1-3 year Government Credit Bond Index and the Lehman Brothers Intermediate Aggregate Bond Index. The University's manager guidelines provide that the average weighted duration of the portfolio, including option positions, not vary from that of their respective performance benchmarks by more than +/-20 percent. The University's and the UROs' investments and maturities at June 30, 2007 are illustrated below:

**UNIVERSITY INVESTMENT MATURITIES**  
(in thousands)

	Total	Less than 1	1 - 5	6 - 10	Greater than 10
Certificates of Deposit	\$ 400	\$ 400	\$	\$	\$
U.S. Treasury Put	4,345				4,345
U.S. Treasury Bonds and Bills	100,391	50,774	27,339	20,701	1,577
U.S. Government Agencies	66,103		11,618	5,409	49,076
Commercial Paper	36,910	36,910			
Corporate Bonds	115,086	7,636	65,272	15,741	26,437
Bond Mutual Funds	67,036	1,130	11,440	44,395	10,071
Non Government Mortgage Backed Securities	73,842		633	892	72,317
Non U.S. Government Bonds	3,355	186	2,847	322	
Repurchase Agreements	291,943	291,943			
Money Market Funds	320,589	320,589			
Illinois Public Treasurer's Investment Pool	3,947	3,947			
<b>TOTAL</b>	<b>\$ 1,083,947</b>	<b>\$ 713,515</b>	<b>\$ 119,149</b>	<b>\$ 87,460</b>	<b>\$ 163,823</b>

At June 30, 2007, the University's operating funds pool portfolio had an effective duration of 1.8 years.

**URO INVESTMENT MATURITIES**  
(in thousands)

	Total	Less than 1	1 - 5	6 - 10	Greater than 10
Certificates of Deposit	\$ 33	\$ 33	\$	\$	\$
U.S. and Other Government Securities	65,401	1,498		225	63,678
Municipal Bonds	271			271	
Corporate Bonds and Notes	61,949		2,533	1,985	57,431
Mutual Funds - Bonds	120,973	3,051	84,950	32,725	247
Mutual Funds - Municipal Bonds	2,268	186	742	1,043	297
Mutual Funds - Blended Bonds	4,951		4,052	899	
Mutual Funds - Money Markets	32,245	32,223	22		
Repurchase Agreements	851	851			
<b>TOTAL</b>	<b>\$ 288,942</b>	<b>\$ 37,842</b>	<b>\$ 92,299</b>	<b>\$ 37,148</b>	<b>\$ 121,653</b>

*Credit Risk:* Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The University's policy requires that operating funds be invested in fixed income securities and money market instruments. Fixed income securities shall be rated investment grade or better by one or more nationally recognized statistical rating organizations. Securities not covered by the investment grade standard are allowed if, in the manager's judgment, those instruments are of comparable credit quality. Securities which fall below the stated minimum credit requirements subsequent to initial purchase may be held at the manager's discretion. It is expected that the average credit quality of the operating funds will not fall below Standard & Poor's AA- or equivalent. At June 30, 2007 the University and the UROs had debt securities and quality ratings as shown in the charts below:

**UNIVERSITY INVESTMENTS QUALITY RATINGS**  
(in thousands)

	Total	AAA/Aaa	AA/Aa	A/BA	BBB/Baa	BB/Ba	Less than BB or Not Rated
Certificates of Deposit	\$ 400	\$	\$	\$	\$	\$	\$ 400
U.S. Treasury Put	4,345						4,345
U.S. Treasury Bonds and Bills	100,391	100,391					
U.S. Government Agencies	66,103	66,103					
Commercial Paper	36,910	36,910					
Corporate Bonds	115,086	27,906	9,640	27,382	33,269	8,308	8,581
Bond Mutual Funds	67,036	49,687	1,041	1,092	7,304	7,565	347
Non Government Mortgage Backed Securities	73,842	71,438	855	154			1,395
Non U.S. Government Bonds	3,355	1,275	356	677	1,047		
Repurchase Agreements	291,943						291,943
Money Market Funds	320,589	316,638					3,951
Illinois Public Treasurer's Investment Pool	3,947						3,947
<b>TOTAL</b>	<b>\$ 1,083,947</b>	<b>\$ 670,348</b>	<b>\$ 11,892</b>	<b>\$ 29,305</b>	<b>\$ 41,620</b>	<b>\$ 15,873</b>	<b>\$ 314,909</b>

**URO INVESTMENTS QUALITY RATINGS**  
(in thousands)

	Total	AAA/Aaa	AA/Aa	A/BA	BBB/Baa	BB/Ba	Less than BB or Not Rated
Certificates of Deposit	\$ 33	\$	\$	\$	\$	\$	\$ 33
U.S. and Other Government Securities	65,401	64,914		105	382		
Municipal Bonds	271	148	21				102
Corporate Bonds and Notes	61,949	23,820	4,090	2,945	8,000	5,528	17,566
Mutual Funds - Bonds	120,973	88,203	12,351	14,588	2,796	842	2,193
Mutual Funds - Municipal Bonds	2,268	1,622	441	97	105		3
Mutual Funds - Blended Bonds	4,951	250	4,333	263	83		22
Mutual Funds - Money Market	32,245	32,245					
Repurchase Agreements	851						851
<b>TOTAL</b>	<b>\$ 288,942</b>	<b>\$ 211,202</b>	<b>\$ 21,236</b>	<b>\$ 17,998</b>	<b>\$ 11,366</b>	<b>\$ 6,370</b>	<b>\$ 20,770</b>

*Custodial Credit Risk:* Custodial credit risk is the risk that in the event of the failure of the counterparty, the University will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Exposure to custodial credit risk relates to investment securities that are held by someone other than the University and are not registered in the University's name. The University investment policy does not limit the value of investments that may be held by an outside party. At June 30, 2007, the University's investments and deposits had no custodial credit risk exposure.

*Concentration of Credit Risk:* Concentration of credit risk is the risk of loss attributed to the magnitude of the University's investment in a single issuer. The University's policy provides that the total operating funds portfolio will be broadly diversified across securities in a manner that is consistent with fiduciary standards of diversification. This diversification is achieved by employing multiple investment managers and imposing maximum position limits for each manager. The University's manager guidelines for operating investments provide that non-U.S. government obligations may not exceed 10% per issuer and private mortgage-backed and asset-backed securities may not exceed 10% per issuer (unless collateral is credit independent of the issuer and the security's credit enhancement is generated internally, in which case the limit is 25% per issuer). Obligations with other issuers, other than the U.S. government, U.S. agencies, or U.S. government sponsored corporations and agencies, may not exceed 5%. As of June 30, 2007, not more than 5% of the University's total investments were invested in securities of any one issuer, excluding securities issued or guaranteed by the U.S. government, mutual funds, and external investment pools or other pooled investments.

*Foreign Currency Risk:* Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or deposit. The University's operating fund investments generally are not exposed to foreign currency risk. The University does not have an overarching policy related to foreign currency risk; however, under the investment manager's guidelines, the portfolio's foreign currency exposure may be unhedged or hedged back into U.S. dollars. Cross hedging is not permitted. The U.S. dollar balances of the University's and the UROs' cash equivalents and investments exposed to foreign currency risk as of June 30, 2007 are categorized by currency below:

#### UNIVERSITY INVESTMENTS FOREIGN CURRENCY EXPOSURE

(in thousands)

	Total	Cash Equivalents	Equity Investments
European Euro	\$ 18,519	\$ 529	\$ 17,990
British Pound	11,636	249	11,387
Swiss Franc	2,640	3	2,637
Japanese Yen	1,634		1,634
Hong Kong Dollar	1,597		1,597
Swedish Krona	1,114		1,114
All other currency	9,651	44	9,607
<b>TOTAL</b>	<b>\$ 46,791</b>	<b>\$ 825</b>	<b>\$ 45,966</b>

#### URO INVESTMENTS FOREIGN CURRENCY EXPOSURE

(in thousands)

	Total	Cash Equivalents	Equity Investments	International Mutual Funds
European Euro	\$ 55,597	\$ 576	\$ 46,405	\$ 8,616
British Pound	57,979	331	52,875	4,773
Japanese Yen	36,138	343	33,140	2,655
Swiss Franc	16,633	9	15,319	1,305
Swedish Krona	7,592	(227)	7,104	715
Australian Dollar	7,951	9	7,406	536
Canadian Dollar	10,869	9	10,552	308
All other currency	51,934	16,374	25,137	10,423
<b>TOTAL</b>	<b>\$ 244,693</b>	<b>\$ 17,424</b>	<b>\$ 197,938</b>	<b>\$ 29,331</b>

*Securities Lending:* To enhance the return on investment, the Board of Trustees of the University has authorized participation in a securities lending program. Through its custodian bank, the University loans securities to independent third parties. Such loans are secured by collateral consisting of cash, cash equivalents or U.S. Government securities and irrevocable bank letters of credit in an amount not less than 102% of the fair value of the securities loaned. Any collateral securities cannot be pledged or sold by the University unless the borrower defaults. The University receives interest and dividends during the loan period as well as a fee from the custodian. At June 30, 2007, the University has no credit risk exposure to borrowers because the amounts the University owes the borrowers exceed the amounts the borrowers owe the University. As of June 30, 2007, approximately \$136,983,000 of the investments reported on the University's Statement of Net Assets were on loan, secured by collateral with a fair value of approximately \$140,889,000.

## NOTE 4 - ACCOUNTS, NOTES, AND PLEDGES RECEIVABLE

The Entity provides allowances for uncollectible accounts and notes receivable based upon management's best estimate of uncollectible accounts and notes at the Statement of Net Assets date, considering type, age, collection history of receivables, and any other factors as considered appropriate. Accounts receivable are reported net of allowances of \$263,311,000 at June 30, 2007. Notes receivable are reported net of allowances of \$3,005,000 at June 30, 2007.

The composition of accounts receivable and notes and pledges receivable at June 30, 2007 is summarized as follows:

<b>ACCOUNTS RECEIVABLE</b> (in thousands)	
Receivables from sponsoring agencies	\$ 170,238
Hospital and other medical activities	84,262
Student tuition and fees, net of allowances	22,280
Auxiliaries, net of discounts and allowances	10,734
Medical service plan	32,956
Educational activities	13,531
Other	1,261
<b>TOTAL</b>	<b>\$ 335,262</b>

<b>NOTES AND PLEDGES RECEIVABLE</b> (in thousands)	
<b>Student notes - University:</b>	
Student notes outstanding	\$ 64,352
Allowance for uncollectible loans	(3,005)
Total student notes, net	<u>\$ 61,347</u>
<b>Gift pledges outstanding - UROs:</b>	
Operations	\$ 28,465
Capital	10,948
Total gift pledges outstanding	<u>39,413</u>
Less:	
Allowance and unamortized discount to present value	<u>(14,166)</u>
Total pledges receivable, net	<u>\$ 25,247</u>



## NOTE 5 - CAPITAL ASSETS

Net interest cost incurred on borrowed funds during the period of construction of capital assets is capitalized as a component of the cost of acquiring those assets. Net interest of \$676,000 was capitalized during the year ended June 30, 2007.

Capital assets activity for the University and the UROs for the year ended June 30, 2007 is summarized as follows:

<b>UNIVERSITY CAPITAL ASSETS</b> (in thousands)					
	Beginning Balance	Additions	Retirements	Transfers	Ending Balance
<b>Nondepreciable Capital Assets:</b>					
Land	\$ 121,851	\$ 3,919	\$ (113)	\$ 644	\$ 126,301
Construction in progress	262,974	240,890		(214,347)	289,517
Inexhaustible collections	14,019	794			14,813
<b>Total nondepreciable capital assets</b>	<b>398,844</b>	<b>245,603</b>	<b>(113)</b>	<b>(213,703)</b>	<b>430,631</b>
<b>Depreciable Capital Assets:</b>					
Buildings	2,638,408		(179)	145,148	2,783,377
Improvements and infrastructure	552,060	50		68,555	620,665
Equipment and software	1,083,158	67,618	(47,222)		1,103,554
Library materials	405,287	22,080			427,367
<b>Total depreciable capital assets</b>	<b>4,678,913</b>	<b>89,748</b>	<b>(47,401)</b>	<b>213,703</b>	<b>4,934,963</b>
<b>Less: accumulated depreciation</b>					
Buildings	860,090	64,461	(165)		924,386
Improvements and infrastructure	215,446	20,299			235,745
Equipment and software	730,797	87,460	(43,084)		775,173
Library materials	301,435	19,459			320,894
<b>Total accumulated depreciation</b>	<b>2,107,768</b>	<b>191,679</b>	<b>(43,249)</b>		<b>2,256,198</b>
<b>Total net depreciable capital assets</b>	<b>2,571,145</b>	<b>(101,931)</b>	<b>(4,152)</b>	<b>213,703</b>	<b>2,678,765</b>
<b>TOTAL</b>	<b>\$ 2,969,989</b>	<b>\$ 143,672</b>	<b>\$ (4,265)</b>	<b>\$</b>	<b>\$ 3,109,396</b>

<b>URO CAPITAL ASSETS</b> (in thousands)					
	Beginning Balance	Additions	Retirements	Transfers	Ending Balance
<b>Nondepreciable Capital Assets:</b>					
Land	\$ 934	\$	\$ (295)	\$	\$ 639
Farmland	647	2,497	(647)		2,497
Buildings held for the University's future use	1,709		(1,709)		
<b>Total nondepreciable capital assets</b>	<b>3,290</b>	<b>2,497</b>	<b>(2,651)</b>		<b>3,136</b>
<b>Depreciable Capital Assets:</b>					
Buildings	4,663				4,663
Leasehold improvements	92				92
Equipment and software	3,659	714	(153)		4,220
<b>Total depreciable capital assets</b>	<b>8,414</b>	<b>714</b>	<b>(153)</b>		<b>8,975</b>
<b>Less: accumulated depreciation</b>					
Buildings	31	74			105
Leasehold improvements	76	7			83
Equipment and software	2,433	428	(139)		2,722
<b>Total accumulated depreciation</b>	<b>2,540</b>	<b>509</b>	<b>(139)</b>		<b>2,910</b>
<b>Total net depreciable capital assets</b>	<b>5,874</b>	<b>205</b>	<b>(14)</b>		<b>6,065</b>
<b>TOTAL</b>	<b>\$ 9,164</b>	<b>\$ 2,702</b>	<b>\$ (2,665)</b>	<b>\$</b>	<b>\$ 9,201</b>

## NOTE 6 - ACCRUED SELF-INSURANCE, LOSS CONTINGENCY AND COMPENSATED ABSENCES

The University's accrued self-insurance liability of \$156,178,000 at June 30, 2007 covers hospital patient liability; hospital and medical professional liability; estimated general and contract liability; and workers' compensation liability related to employees paid from local funds. The accrued self-insurance liability was discounted at a rate of 5.5% at June 30, 2007. Amounts increasing the accrued self-insurance liability are charged as expenses based upon estimates made by actuaries and the University's risk management division. The workers' compensation self-insurance liability of \$12,599,000 at June 30, 2007 related to employees who are paid from State appropriations is included in the University's accounts payable. These claims will be paid from State appropriations in the year in which the claims are finalized, rather than from unrestricted net assets as of June 30, 2007.

Accrued self-insurance includes \$105,036,000 at June 30, 2007 for the currently estimated ultimate cost of uninsured medical malpractice liabilities. Ultimate cost consists of amounts estimated by the University's risk management division and independent actuaries for asserted claims, unasserted claims arising from reported incidents, expected litigation expenses, and amounts determined by actuaries using relevant industry data and Hospital specific data to cover projected losses for claims incurred but not reported. Because the amounts accrued are estimates, the aggregate claims actually incurred could differ significantly from the accrued self-insurance liability at June 30, 2007. Changes in these estimates will be reflected in the Statement of Revenues, Expenses and Changes in Net Assets in the period when additional information is available.

The University has contracted with several commercial carriers to provide varying levels and upper limits of excess indemnity coverage. These coverages have been considered in determining the required accrued self-insurance liability. There were no settlements which exceeded insurance coverage during the last three years.

<b>CHANGES IN ACCRUED SELF-INSURANCE</b>		
(in thousands)		
	2007	2006
Balance, beginning of year	\$ 142,214	\$ 130,976
Claims incurred and changes in estimates	63,188	45,563
Claim payments	(49,224)	(34,325)
Balance, end of year	156,178	142,214
Less: current portion	(39,761)	(34,105)
Balance, end of year - noncurrent portion	\$ 116,417	\$ 108,109

Accrued compensated absences includes personnel earned but unused vacation and sick leave days, including the University's share of social security and medicare taxes, valued at the current rate of pay.

<b>CHANGES IN</b>	
<b>COMPENSATED ABSENCES BALANCE</b>	
(in thousands)	
Balance, beginning of year	\$ 207,307
Additions/(Deductions)	1,875
Balance, end of year	209,182
Less: current portion	(16,761)
Balance, end of year - noncurrent portion	\$ 192,421

## NOTE 7 - BONDS AND NOTES PAYABLE

On October 5, 2006 the University issued Auxiliary Facilities System Revenue Bonds Series 2006 in the amount of \$318,155,000. Series 2006 Bonds were issued to fund various improvements to the System, provide for the refunding of portions of the outstanding System bonds, Series 1996 and Series 2001B, to pay debt service during construction, and to pay all costs incidental to the issuance of the bonds. This resulted in savings of \$3,820,000 over the life of the issue at a present value of approximately \$2,226,000. The difference between the reacquisition price and net carrying amount of the old debt, loss on refunding was \$2,026,000. This loss is deferred and amortized as a component of interest expense over the remaining life of the old debt or the life of the new debt, whichever is shorter.

<b>BONDS PAYABLE</b>						
(in thousands)						
	Maturity Dates	Beginning Balance	New Debt	Principal Paid/Debt Refunded	Ending Balance	Current Portion
<b>AUXILIARY FACILITIES SYSTEM -</b>						
Current Interest Bonds	2008-2036	\$ 526,220	\$ 318,155	\$ 63,155	\$ 781,220	\$ 12,120
Capital Appreciation Bonds	2008-2030	280,055		15,015	265,040	15,005
WILLARD AIRPORT	2008-2009	745		235	510	250
HEALTH SERVICES FACILITIES SYSTEM	2008-2027	63,230		1,755	61,475	1,834
UIC SOUTH CAMPUS	2008-2023	80,490		3,190	77,300	2,255
		<u>\$ 950,740</u>	<u>\$ 318,155</u>	<u>\$ 83,350</u>	1,185,545	31,464
Unaccreted appreciation					(109,966)	(458)
					<u>1,075,579</u>	<u>31,006</u>
Unamortized debt premium					34,085	1,231
Unamortized loss on refunding					(17,617)	(994)
<b>TOTAL</b>					<u>\$ 1,092,047</u>	<u>\$ 31,243</u>

Capital appreciation bonds of \$265,040,000 outstanding at June 30, 2007 do not require current interest payments and have a net unappreciated value of \$155,074,000. The University records the annual increase in the principal amount of these bonds as interest expense and accretion on bonds payable.

On April 2, 2007 the University entered into a variable-to-fixed interest rate swap agreement with Lehman Brothers Commercial Bank. The purpose of this interest rate swap was to hedge variable rate demand Health Services Facility System revenue refunding bonds planned to be issued in July 2007. The notional amount of the interest rate swap was \$40,875,000 and equal to the planned par amount of the bonds. The University will make monthly payments to the counterparty equal to 3.534% times the notional amount and will receive monthly payments from the counterparty equal to 68% of one-month LIBOR, commencing October 1, 2007.

The University engaged a third-party consultant to calculate the "mark to market" or "market value" of the swap transaction. On June 30, 2007, the mark to market value of the swap was \$896,000. Since this is a positive number, it represents an approximation of the amount of money that a swap provider may have been willing to pay the University to terminate the swap. In accordance with governmental accounting standards, this amount is not required to be included in the accompanying financial statements.

The University has the option to terminate the swap early. The University or the counterparty may terminate the swap if the other party fails to perform under the terms of the contract. The University may terminate the swap if both credit ratings of the counterparty fall below BBB+ as issued by Standard & Poor's and Baa1 as issued by Moody's Investors Service. The counterparty credit rating by Standard & Poor's was A+ and by Moody's Investors Service was A1. If at the time of termination the swap has a negative fair value, the University would be liable to the counterparty for a payment equal to the swap's fair value.

The UIC South Campus Series 2006A Bonds, the Auxiliary Facilities System Series 2005B Bonds, and the Health Services Facilities System Series 1997B Bonds are variable rate bonds which bear interest at a defined weekly rate and are paid monthly. The required future interest payments for the Series 2006A, Series 2005B, and Series 1997B Bonds have been calculated using the current interest rate, based upon short term tax exempt rates, of 3.77%, 3.73%, and 3.77%, respectively, over the life of the bonds. Other outstanding bond issues bear interest at fixed rates ranging from 3.00% to 7.96%.

To facilitate the advance refunding of the UIC South Campus Development Project Series 1999 Bonds and, as a means to lower its borrowing costs, when compared against fixed-rate bonds at the time of issuance in February 2006, the University entered into two interest rate swaps in connection with its \$53,700,000 variable-rate Bonds (UIC South Campus Development Project) Series 2006A. The intention of the swaps was to effectively change the University's variable interest rate on the Bonds to a synthetic fixed rate of 1.030% through August 1, 2007 and 4.292% thereafter, which includes the Bonds' current liquidity facility fee of 0.200%. In addition, there is a 0.080% current remarketing fee.

The Bonds and related swap agreements mature on January 15, 2022, and the swaps' initial notional amount of \$53,700,000 matches the \$53,700,000 variable-rate Bonds. The swaps were entered at the same time as the Bonds were issued (February 2006). Starting in fiscal year 2011, the notional value of the swaps and the principal amount of the associated bonds decline. Under the swaps, the University pays the counterparties a fixed payment of 0.830% through August 1, 2007 and 4.092% thereafter and receives a variable payment equal to its cost-of-funds through February 3, 2010 and thereafter receives a variable payment equal to 68% of one-month LIBOR. The credit ratings for the first counterparty by Standard & Poor's and Moody's Investors Service were AA- and Aa2, respectively. The credit ratings for the second counterparty by Standard & Poor's and Moody's Investors Service were A+ and Aa3, respectively.

The University engaged a third-party consultant to calculate the "mark to market" or "market value" of the swap transaction. On June 30, 2007, the combined mark to market value of the two swaps was (\$785,000). Since this is a negative number it represents an approximation of the amount of money that the University may have to pay a swap provider to terminate the swap. In accordance with governmental accounting standards, this amount is not required to be included in the accompanying financial statements.

The University has the option to terminate the swap early. The University or the counterparties may terminate the swaps if the other party fails to perform under the terms of the contract. The University may terminate the swap if both credit ratings of the counterparties fall below BBB+ as issued by Standard & Poor's and Baa1 as issued by Moody's Investors Service. If the swaps are terminated, the variable-rate Bonds would no longer carry a synthetic fixed interest rate. Also, if at the time of termination, the swaps have a negative fair value, the University would be liable to the counterparties for a payment equal to the swaps' fair value.

Using the actual rate of 3.77% in effect as of June 30, 2007, debt service requirements of the variable-rate debt and net swap payments, assuming current interest rates remain the same for their term, were as follows. As rates vary, variable-rate bond interest payments and net swap payments will also vary.

<b>UIC SOUTH CAMPUS BONDS SERIES 2006A VARIABLE-RATE DEBT SERVICE REQUIREMENTS (in thousands)</b>				
	<b>Variable-Rate Bonds</b>		<b>Interest Rate Swaps, Net</b>	<b>Total</b>
	<b>Principal</b>	<b>Interest</b>		
2008	\$	\$ 2,030	\$ (125)	\$ 1,905
2009		2,024	173	2,197
2010		2,024	173	2,197
2011	215	2,021	173	2,409
2012	540	2,014	166	2,720
2013-2017	21,290	8,329	705	30,324
2018-2022	31,655	3,280	275	35,210
<b>TOTAL</b>	<b>\$ 53,700</b>	<b>\$ 21,722</b>	<b>\$ 1,540</b>	<b>\$ 76,962</b>

None of the University's bonds described above constitute obligations of the State of Illinois. Series 1979, 1991, 1993, 1996, 1999A, 1999B, 2000, 2001A, 2001B, 2001C, 2003A, 2005A, 2005B, and 2006 Auxiliary Facilities System Bonds are payable solely from net revenues of the Auxiliary Facilities System, student tuition and fees and certain restricted plant funds. Series 1997 Bonds are payable solely from the net revenues of the Airport and related restricted plant funds. Series 1997A and 1997B Bonds are payable solely from net revenues of the Health System, Medical Service Plan revenue net of bad debt expense, and College of Medicine net tuition revenue. Series 2000, 2003, and 2006A Bonds are payable from revenue derived from the defined tax increment financing (TIF) district, student tuition and fees, and funds on deposit in the Bond and Interest Sinking Fund. In addition, the Series 2000 Bonds are payable from the sales proceeds derived from the sale of certain land in the University of Illinois UIC South Campus Development Project. During fiscal year 2007, the

debt service payments related to the Series 2000, 2003, and 2006A Bonds were \$5,406,000. Proceeds from the sale of land of \$2,928,000 and revenue from other legally available sources of \$2,478,000 funded these payments.

Costs associated with the issuance of the Series 1991, 1993, 1996, 1999A, 1999B, 2000, 2001A, 2001B, 2001C, 2003A, 2005A, 2005B, and 2006 Auxiliary Facilities System Bonds; Series 1997 Willard Airport Bonds; Series 1997A and 1997B Health Services Facilities Bonds; and Series 2000, 2003, and 2006A UIC South Campus Bonds have been recorded as deferred charges and are being amortized over the life of the related bond issue.

The Foundation has a demand note outstanding with interest at 5.82% and principal outstanding of \$6,402,000. The change in the balance for fiscal year 2007 is as follows:

<b>CHANGE IN NOTES PAYABLE</b> (in thousands)	
Balance, beginning of year	\$ 6,657
Payments	(255)
Balance, end of year	<u>\$ 6,402</u>

The University has defeased bonds through advanced funding in prior years and, accordingly, they are not reflected in the accompanying statements. The amount of bonds which have been defeased as of June 30, 2007 consists of the following:

<b>ADVANCE REFUNDED BONDS</b> (in thousands)	
Series	Outstanding at June 30, 2007
1978-M	\$ 35,030
1999	49,365
1999A	85,300
2000	10,785
2001B	55,315
TOTAL	<u>\$ 235,795</u>

Future debt service requirements for all bonds outstanding at June 30, 2007 are as follows:

<b>DEBT SERVICE REQUIREMENTS</b> (in thousands)		
	Principal	Interest
2008	\$ 31,464	\$ 45,560
2009	33,475	44,803
2010	34,105	43,818
2011	36,005	42,814
2012	37,805	41,723
2013-2017	214,940	190,158
2018-2022	261,230	153,479
2023-2027	204,215	104,593
2028-2032	209,345	55,032
2033-2036	122,961	11,895
TOTAL	<u>\$ 1,185,545</u>	<u>\$ 733,875</u>

Certain bonds of the University have debt service reserve requirements. The Maximum Annual Net Debt Service for those bonds, as defined, is \$15,388,000.

## NOTE 8 - LEASEHOLDS AND OTHER OBLIGATIONS

Leaseholds payable and other obligations activity for the year ended June 30, 2007 consist of the following:

<b>LEASEHOLDS AND OTHER OBLIGATIONS</b> (in thousands)					
	Beginning Balance	Additions	Deductions	Ending Balance	Current Portion
<b>University:</b>					
Certificates of Participation	\$ 467,300	\$	\$ (26,530)	\$ 440,770	\$ 26,970
Unamortized debt premium	13,200		(1,487)	11,713	1,487
Unamortized deferred loss on refunding	(15,586)		1,222	(14,364)	(1,222)
	464,914		(26,795)	438,119	27,235
Other capital leases	55,385	5,579	(5,883)	55,081	6,675
Environmental remediation liability	4,724	300	(184)	4,840	375
<b>Total University</b>	<b>\$ 525,023</b>	<b>\$ 5,879</b>	<b>\$ (32,862)</b>	<b>\$ 498,040</b>	<b>\$ 34,285</b>
<b>UROs:</b>					
Annuities payable	\$ 51,690	\$	\$ (582)	\$ 51,108	\$ 6,700
Other liabilities	6,660	700		7,360	
<b>Total UROs</b>	<b>\$ 58,350</b>	<b>\$ 700</b>	<b>\$ (582)</b>	<b>\$ 58,468</b>	<b>\$ 6,700</b>

The University leases various plant facilities and equipment under capital leases. This includes assets obtained with certificates of participation proceeds and recorded as capital leases, as well as other capital lease agreements funded through operations.

On June 6, 2006 the University issued Certificates of Participation (Academic Facilities Projects) Series 2006A in the amount of \$81,930,000. The Series 2006A Certificates were issued to acquire, construct and install, and equip a business instructional facility on the Urbana campus and to finance various improvements to buildings on the University's three campuses.

To facilitate the advance refunding of the Certificates of Participation (Utility Infrastructure Projects) Series 2001 A & B; and, as a means to lower its borrowing costs, when compared against fixed-rate bonds at the time of issuance in March 2004, the University entered into an interest rate swap in connection with its \$143,665,000 variable-rate Certificates of Participation (Utility Infrastructure Projects) Series 2004. The intention of the swap was to effectively change the University's variable interest rate on the Certificates to a synthetic fixed rate of 3.855%, which includes the Certificates' current liquidity facility fee of 0.09%. In addition, there is a 0.05% current remarketing fee.

The Certificates and related swap agreement mature on August 15, 2021, and the swap's initial notional amount of \$143,665,000 matches the \$143,665,000 variable-rate Certificates. The swap was entered at the same time as the Certificates were issued (March 2004). Starting in fiscal year 2006, the notional value of the swap and the principal amount of the associated Certificates began to decline. Under the swap, the University pays the counterparty a fixed payment of 3.765% and receives a variable payment computed as 100% of the Securities Industry & Financial Market Association Index (SISMA). Conversely, the Certificates' variable interest rates are expected to approximate SISMA. For FY 2007, the Certificates' average variable interest rate has been equal to SISMA. The counterparty credit rating by Standard & Poor's was A+ and by Moody's Investors Service was Aa3.

The University engaged a third-party consultant to calculate the "mark to market" or "market value" of the swap transaction. On June 30, 2007, the mark to market value of the swap was \$2,348,000. Since this is a positive number, it represents an approximation of the amount of money that a swap provider may have been willing to pay the University to terminate the swap. In accordance with governmental accounting standards, this amount is not required to be included in the accompanying financial statements.

The University has the option to terminate the swap early. The University or the counterparty may terminate the swap if the other party fails to perform under the terms of the contract. The University may terminate the swap if both credit ratings of the counterparty fall below BBB+ as issued by Standard & Poor's and Baa1 as issued by Moody's Investors Service. If the swap is terminated, the variable-rate Certificates would no longer carry a synthetic fixed interest rate. Also, if at the time of

termination the swap has a negative fair value, the University would be liable to the counterparty for a payment equal to the swap's fair value.

Using the actual rate of 3.74% in effect as of June 30, 2007, debt service requirements of the variable-rate debt and net swap payments, assuming current interest rates remain the same for their term, were as follows. As rates vary, variable-rate bond interest payments and net swap payments will also vary.

<b>VARIABLE-RATE DEBT SERVICE REQUIREMENTS</b> (in thousands)				
	<b>Variable-Rate Certificates</b>		<b>Interest Rate</b>	<b>Total</b>
	<b>Principal</b>	<b>Interest</b>	<b>Swaps, Net</b>	
2008	\$ 995	\$ 5,285	\$ 35	\$ 6,315
2009	1,035	5,261	20	6,316
2010	1,075	5,207	35	6,317
2011	6,570	5,065	33	11,668
2012	6,840	4,814	31	11,685
2013-2017	38,600	19,960	106	58,666
2018-2022	86,680	8,377	41	95,098
<b>TOTAL</b>	<b>\$ 141,795</b>	<b>\$ 53,969</b>	<b>\$ 301</b>	<b>\$ 196,065</b>

Assets held under capital leases are included in capital assets at June 30, 2007 as follows:

<b>ASSETS HELD UNDER CAPITAL LEASE</b> (in thousands)	
Land	\$ 8,423
Buildings	73,952
Improvements	263,249
Equipment	165,348
Subtotal	510,972
Less: accumulated depreciation	115,370
<b>TOTAL</b>	<b>\$ 395,602</b>

The net present value of outstanding capital leases at June 30, 2007 is:

<b>OUTSTANDING CAPITAL LEASES</b> (in thousands)	
Certificates of Participation:	
Series 1997 Utility Infrastructure	\$ 15,335
Series 2001 UI Integrate	74,665
Series 2003 South Farms	22,285
Series 2003 UI Integrate	31,700
Series 2003 Utility Infrastructure	57,200
Series 2004 Utility Infrastructure	141,795
Series 2005 College of Medicine	19,220
Series 2006A Academic Facilities	78,570
Other capital leases	55,081
<b>NET PRESENT VALUE</b>	<b>\$ 495,851</b>



As of June 30, 2007, future minimum lease payments under capital leases is as follows:

<b>FUTURE MINIMUM LEASE PAYMENTS UNDER CAPITAL LEASES (in thousands)</b>	
2008	\$ 54,768
2009	53,517
2010	52,738
2011	51,963
2012	49,164
2013-2017	197,559
2018-2022	154,880
2023-2027	54,981
Total minimum lease payments	<u>669,570</u>
Amount representing interest	<u>(173,719)</u>
NET PRESENT VALUE	<u>\$ 495,851</u>

The University monitors environmental matters and records an estimated liability for identified environmental remediation costs. The estimated liability at June 30, 2007 is \$4,840,000.

The University also leases various buildings and equipment under operating lease agreements. Total rental expense under these agreements was \$10,826,000 for the year ended June 30, 2007. The future minimum lease payments (excluding those leases renewed on an annual basis) are as follows:

<b>FUTURE MINIMUM OPERATING LEASE PAYMENTS (in thousands)</b>	
2008	\$ 9,478
2009	6,405
2010	4,241
2011	2,394
2012	1,349
2013-2017	3,702
2018-2022	620
2023-2025	372
TOTAL	<u>\$ 28,561</u>

At June 30, 2007, the Foundation had annuities payable outstanding of \$51,108,000. Annuities payable represent an actuarial computation of the present value of future payments to annuitants.

## NOTE 9 - NET ASSETS

As discussed in Note 1 to the financial statements, the Entity's net assets are classified for accounting and reporting purposes into one of four net asset categories according to externally imposed restrictions. The following tables include detail of the net asset balances for the University and the UROs including major categories of restrictions and internal designations of unrestricted funds.

<b>UNIVERSITY NET ASSETS</b> (in thousands)	
Invested in capital assets, net of related debt	\$ 1,842,039
Restricted - nonexpendable	
Invested in perpetuity to produce income expendable for -	
Scholarships, fellowships and research	51,345
Restricted - expendable for -	
Scholarships, fellowships and research	233,151
Loans	78,171
Service plans	47,723
Retirement of indebtedness	20,642
Capital projects	12,964
Unrestricted -	
Designated for:	
Auxiliary	18,123
Hospital	62,364
Capital projects	68,236
Self supporting activities	18,092
Institutional support	42,574
Quasi endowments	99,908
Amount expected to be financed in future years	(197,400)
Undesignated	17,924
<b>TOTAL</b>	<b>\$ 2,415,856</b>

<b>URO NET ASSETS</b> (in thousands)	
Invested in capital assets, net of related debt	\$ 2,799
Restricted - nonexpendable	
Invested in perpetuity to produce income expendable for -	
Scholarships, fellowships and research	838,362
Restricted - expendable for -	
Scholarships, fellowships and research	377,944
Unrestricted	29,545
<b>TOTAL</b>	<b>\$ 1,248,650</b>

## NOTE 10 - FUNDS HELD IN TRUST BY OTHERS

The University and Foundation are income beneficiaries of several irrevocable trusts which are held and administered by outside trustees. The University and Foundation have no control over these funds as to either investment decisions or income distributions, thus the principal is not recorded in the accompanying financial statements. The fair value of these funds at June 30, 2007 and the amount of income received from these trusts during the year then ended were as follows:

FUNDS HELD IN TRUST BY OTHERS (in thousands)		
	University	Foundation
Fair value of funds held in trust by others	\$ 42,946	\$ 28,431
Income received from funds held in trust by others	\$ 1,149	\$ 945

## NOTE 11 - STATE UNIVERSITIES RETIREMENT SYSTEM

The Entity contributes to the State Universities Retirement System of Illinois (SURS), a cost-sharing multiple-employer defined-benefit pension plan with a special funding situation whereby the State of Illinois makes substantially all actuarially determined required contributions on behalf of the participating employers. SURS was established July 21, 1941, to provide retirement annuities and other benefits for staff members and employees of the State universities, certain affiliated organizations, and certain other State educational and scientific agencies and for survivors, dependents, and other beneficiaries of such employees. SURS is considered a component unit of the State of Illinois' financial reporting entity and is included in the State's financial reports as a pension trust fund. SURS is governed by Section 5/15, Chapter 40, of the *Illinois Compiled Statutes*. SURS issues a publicly available financial report that includes financial statements and required supplementary information. That report may be obtained by accessing the website at [www.SURS.org](http://www.SURS.org) or by calling 1-800-275-7877.

Eligible employees must participate upon initial employment. Employees are ineligible to participate if (a) employed after having attained age 68; (b) employed less than 50% of full-time; or (c) employed less than full-time and attending classes with an employer. Of those Entity employees ineligible to participate, the majority are students at the University.

SURS provides retirement, disability and death benefits. Members are eligible for normal retirement at any age after 35 years of service, at age 60 after 8 years of service or at age 62 after 5 years of service. There are also provisions for early retirement. Retirement benefits are based on certain formulas that generally are a function of years of service and the average salary based on the highest earnings of any four consecutive years. Disability benefits are paid to disabled members with two years of covered service, generally at 50% of basic compensation until the total benefits paid equal 50% of the total earnings in covered service. Death benefits are payable to survivors of an active member with one and one half years of covered service or of a former member with ten years of covered service. These benefits are payable until children attain the age of 18, to a spouse after age 50 and to a dependent parent after age 55. Benefits are equal to the retirement contributions and interest, a lump sum payment of \$1,000, and a monthly annuity equal to a portion of the accrued normal retirement benefit based on specified formulas.

Plan members are required to contribute 8.0% of their annual covered salary and substantially all employer contributions are made by the State of Illinois on behalf of the individual employers at an actuarially determined rate. The current rate is 10.61% of annual covered payroll. The contribution requirements of plan members and employers are established and may be amended by the Illinois General Assembly. The University's contributions to SURS for the years ended June 30, 2007, 2006, and 2005 were \$138,499,000, \$101,570,000 and \$145,752,000 respectively, equal to the required contributions for each year. The URO's contributions to SURS for the years ended June 30, 2007, 2006, and 2005 were \$719,000, \$573,000 and \$520,000 respectively.

Entity employees hired prior to April 1, 1986 are exempt from contributions required under the Federal Insurance Contribution Act. Employees hired after March 31, 1986 are required to contribute 1.45% of their gross salary for Medicare. The Entity is required to match this contribution.

Employees may also elect to participate in certain tax-sheltered retirement plans. These voluntary plans permit employees to designate a part of their earnings into tax-sheltered investments and thus defer federal and state income taxes on their contributions and the accumulated earnings under the plans. Participation and the level of employee contributions are voluntary. The employer is not required to make contributions to these plans.

## **NOTE 12 - POSTEMPLOYMENT BENEFITS**

In addition to providing pension benefits, the State provides certain health, dental and life insurance benefits to annuitants who are former State employees. This includes annuitants of the Entity. Substantially all State employees, including the employees of the Entity, may become eligible for postemployment benefits if they eventually become annuitants. Health and dental benefits include basic benefits for annuitants under the State's self-insurance plan and insurance contracts currently in force. Life insurance benefits for annuitants under age 60 are equal to their annual salary at the time of retirement; life insurance benefits for annuitants age 60 and older are limited to \$5,000 per annuitant.

Currently, the State does not segregate payments made to annuitants from those made to current employees for health, dental and life insurance benefits. These costs are funded by the State except for certain non-appropriated funds funded by the University.

## **NOTE 13 - COMMITMENTS AND CONTINGENCIES**

At June 30, 2007 the University had commitments on various construction projects and contracts for repairs and renovation of facilities of approximately \$158,357,000.

The University receives monies from federal and state government agencies under grants and contracts for research and other activities. The costs, both direct and indirect, charged to these grants and contracts are subject to audit and disallowance by the granting agency. The University believes that any disallowances or adjustments would not have a material effect on the University's financial position.

The University also receives monies under third-party payor arrangements for payment of medical services rendered at its hospital and clinics. Some of these arrangements allow for settlement adjustments based on costs and other factors. The University believes that any adjustments would not have a material effect on the University's financial position.

The University is a defendant in a number of legal actions primarily related to medical malpractice. These legal actions have been considered in estimating the University's accrued self-insurance liability. The total of amounts claimed under these legal actions, including potential settlements and amounts relating to losses incurred but not reported, could exceed the amount of the self-insurance liability. In the opinion of the University's administrative officers, the University's self-insurance liability and limited excess indemnity insurance coverage from commercial carriers are adequate to cover the ultimate liability of these legal actions, in all material respects.

The University's hospital and clinics are involved in regulatory audits arising in the normal course of business. On June 8, 2007, a notice was received from the Office of Inspector General on behalf of the Illinois Department of Healthcare and Family Services indicating that the University received an overpayment of \$14.8 million on behalf of Medicaid patients. University management is in the process of contesting this overpayment and estimates its probable liability regarding this overpayment is approximately \$4.8 million, of which \$3.3 million and \$1.5 million could be paid by the Hospital and the UIC College of Pharmacy, respectively. This liability of \$4.8 million has been reflected in the University's financial position and results from operations as of June 30, 2007.

## NOTE 14 - OPERATING EXPENSES BY NATURAL CLASSIFICATION

Operating expenses by natural classification for the year ended June 30, 2007 for the University and the UROs are summarized as follows:

### UNIVERSITY OPERATING EXPENSES BY NATURAL CLASSIFICATION (in thousands)

	Compensation and benefits	Supplies and services	Student aid	Depreciation	Total
Instruction	\$ 583,428	\$ 116,907	\$ 3,205	\$	\$ 703,540
Research	367,139	192,947	1,790		561,876
Public service	190,541	133,967	1,840		326,348
Academic support	150,023	80,805	5,733		236,561
Student services	56,855	29,683	1,836		88,374
Institutional support	131,035	36,129	8		167,172
Operations and maintenance of plant	68,244	148,214	1,570		218,028
Scholarships and fellowships	177,625	1,365	19,026		198,016
Auxiliary enterprises	80,045	147,011	7,695		234,751
Hospital and medical activities	239,250	192,509	3		431,762
Independent operations	1,437	8,586			10,023
Depreciation				191,679	191,679
On behalf payments for fringe benefits	376,657				376,657
<b>TOTAL</b>	<b>\$ 2,422,279</b>	<b>\$ 1,088,123</b>	<b>\$ 42,706</b>	<b>\$ 191,679</b>	<b>\$ 3,744,787</b>

### URO OPERATING EXPENSES BY NATURAL CLASSIFICATION (in thousands)

	Distribution on behalf of the University	Institutional support	Depreciation	Total
Salaries and benefits	\$	\$ 18,654	\$	\$ 18,654
Distributions on behalf of the University	128,731			128,731
Marketing and communications		6,539		6,539
Travel		1,005		1,005
Equipment		540		540
Meeting, conferences and special events		1,456		1,456
Supplies and other		13,188		13,188
Depreciation			509	509
<b>TOTAL</b>	<b>\$ 128,731</b>	<b>\$ 41,382</b>	<b>\$ 509</b>	<b>\$ 170,622</b>

## NOTE 15 - SEGMENT INFORMATION

The following financial information represents identifiable activities for which one or more revenue bonds is outstanding. The Auxiliary Facilities System is comprised of University owned housing units, student unions, recreation and athletic facilities, and similar auxiliary service units including parking. The Health Services Facilities System is comprised of the University of Illinois Hospital and associated clinical facilities providing patient care. The Willard Airport Facility is comprised of land, hangars, a terminal building, parking lots, runways, and related apron areas.

(in thousands)				
	AUXILIARY FACILITIES SYSTEM	HEALTH SERVICES FACILITIES SYSTEM	WILLARD AIRPORT FACILITY	TOTAL
<b>Condensed Statement of Net Assets</b>				
<b>ASSETS:</b>				
Current assets	\$ 384,325	\$ 155,680	\$ 2,250	\$ 542,255
Noncurrent assets				
Capital assets, net of accumulated depreciation	735,298	170,685	33,441	939,424
Other noncurrent assets	20,906	2,948	4	23,858
<b>TOTAL ASSETS</b>	<b>\$ 1,140,529</b>	<b>\$ 329,313</b>	<b>\$ 35,695</b>	<b>\$ 1,505,537</b>
<b>LIABILITIES:</b>				
Current liabilities	\$ 93,857	\$ 72,427	\$ 1,387	\$ 167,671
Noncurrent liabilities				
Long term debt	938,211	73,679	260	1,012,150
Other liabilities	5,195	20,472		25,667
<b>TOTAL LIABILITIES</b>	<b>1,037,263</b>	<b>166,578</b>	<b>1,647</b>	<b>1,205,488</b>
<b>NET ASSETS:</b>				
Invested in capital assets, net of related debt	8,084	96,293	32,650	137,027
Restricted				
Expendable	16,295	2,350	507	19,152
Unrestricted	78,887	64,092	891	143,870
<b>TOTAL NET ASSETS</b>	<b>103,266</b>	<b>162,735</b>	<b>34,048</b>	<b>300,049</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 1,140,529</b>	<b>\$ 329,313</b>	<b>\$ 35,695</b>	<b>\$ 1,505,537</b>
<b>Condensed Statement of Revenues, Expenses and Changes in Net Assets</b>				
Operating revenues	\$ 246,018	\$ 533,911	\$ 2,484	\$ 802,806
Operating expenses	203,591	507,109	2,747	733,840
Depreciation expense	16,583	20,066	1,807	38,456
Operating income (loss)	25,844	6,736	(2,070)	30,510
Nonoperating revenues (expenses)	(14,127)	(3,611)	592	(17,146)
Capital and endowment additions			3,979	3,979
<b>Increase in net assets</b>	<b>11,717</b>	<b>3,125</b>	<b>2,501</b>	<b>17,343</b>
<b>Net assets, beginning of year</b>	<b>91,549</b>	<b>159,610</b>	<b>31,547</b>	<b>282,706</b>
<b>NET ASSETS, END OF YEAR</b>	<b>\$ 103,266</b>	<b>\$ 162,735</b>	<b>\$ 34,048</b>	<b>\$ 300,049</b>
<b>Condensed Statement of Cash Flows</b>				
Net cash flows provided (used) by operating activities	\$ 57,417	\$ 33,189	\$ (250)	\$ 90,356
Net cash flows (used) provided by noncapital financing activities	(1,822)	238	869	(715)
Net cash flows provided (used) by capital and related financing activities	58,705	(20,579)	(427)	37,699
Net cash flows provided by investing activities	91,300	2,080	67	93,447
Net increase in cash and cash equivalents	205,600	14,928	259	220,787
Cash and cash equivalents, beginning of year	144,442	46,804	1,899	193,145
Cash and cash equivalents, end of year	\$ 350,042	\$ 61,732	\$ 2,158	\$ 413,932

## NOTE 16 - UNIVERSITY RELATED ORGANIZATIONS

The Entity's financial statements include the activity of the University Related Organizations which represent the discretely presented component units. Below are condensed financial statements by organization:

(in thousands)				
	FOUNDATION	ALUMNI ASSOCIATION	WWT	TOTAL
<b>Condensed Statement of Net Assets</b>				
<b>Assets:</b>				
Current assets	\$ 47,757	\$ 1,248	\$ 2,154	\$ 51,159
Noncurrent assets				
Capital assets, net of accumulated depreciation	8,022	750	429	9,201
Other noncurrent assets	1,302,398	16,716		1,319,114
<b>Total assets</b>	<b>\$ 1,358,177</b>	<b>\$ 18,714</b>	<b>\$ 2,583</b>	<b>\$ 1,379,474</b>
<b>Liabilities:</b>				
Current liabilities	\$ 71,404	\$ 1,759	\$ 2,255	\$ 75,418
Noncurrent liabilities				
Long term debt		2,630	947	3,577
Other noncurrent liabilities	51,820	9		51,829
<b>Total liabilities</b>	<b>123,224</b>	<b>4,398</b>	<b>3,202</b>	<b>130,824</b>
<b>Net assets:</b>				
Invested in capital assets, net of related debt	1,620	750	429	2,799
Restricted				
Nonexpendable	838,362			838,362
Expendable	377,944			377,944
Unrestricted	17,027	13,566	(1,048)	29,545
<b>Total net assets</b>	<b>1,234,953</b>	<b>14,316</b>	<b>(619)</b>	<b>1,248,650</b>
<b>Total liabilities and net assets</b>	<b>\$ 1,358,177</b>	<b>\$ 18,714</b>	<b>\$ 2,583</b>	<b>\$ 1,379,474</b>
<b>Condensed Statement of Revenues, Expenses and Changes in Net Assets</b>				
Operating revenues	\$ 140,436	\$ 9,611	\$ 8,299	\$ 158,346
Operating expenses	154,536	9,631	5,946	170,113
Depreciation expense	244	60	205	509
Operating income (loss)	(14,344)	(80)	2,148	(12,276)
Nonoperating revenues (expenses)	170,413	3,501	(101)	173,813
Contributions to endowments	28,353			28,353
<b>Increase in net assets</b>	<b>184,422</b>	<b>3,421</b>	<b>2,047</b>	<b>189,890</b>
<b>Net assets, beginning of year</b>	<b>1,050,531</b>	<b>10,895</b>	<b>(2,666)</b>	<b>1,058,760</b>
<b>Net assets, end of year</b>	<b>\$ 1,234,953</b>	<b>\$ 14,316</b>	<b>\$ (619)</b>	<b>\$ 1,248,650</b>
<b>Condensed Statement of Cash Flows</b>				
Net cash flows (used) provided by operating activities	\$ (20,656)	\$ (131)	\$ 2,407	\$ (18,380)
Net cash flows provided (used) by noncapital financing activities	28,353		(1,963)	26,390
Net cash flows used by capital and related financing activities	(831)	(1,621)	(344)	(2,796)
Net cash flows (used) provided by investing activities	(4,857)	576	90	(4,191)
Net increase (decrease) in cash and cash equivalents	2,009	(1,176)	190	1,023
Cash and cash equivalents, beginning of year	2,904	1,867	1,723	6,494
<b>Cash and cash equivalents, end of year</b>	<b>\$ 4,913</b>	<b>\$ 691</b>	<b>\$ 1,913</b>	<b>\$ 7,517</b>



## **NOTE 17 - SUBSEQUENT EVENTS**

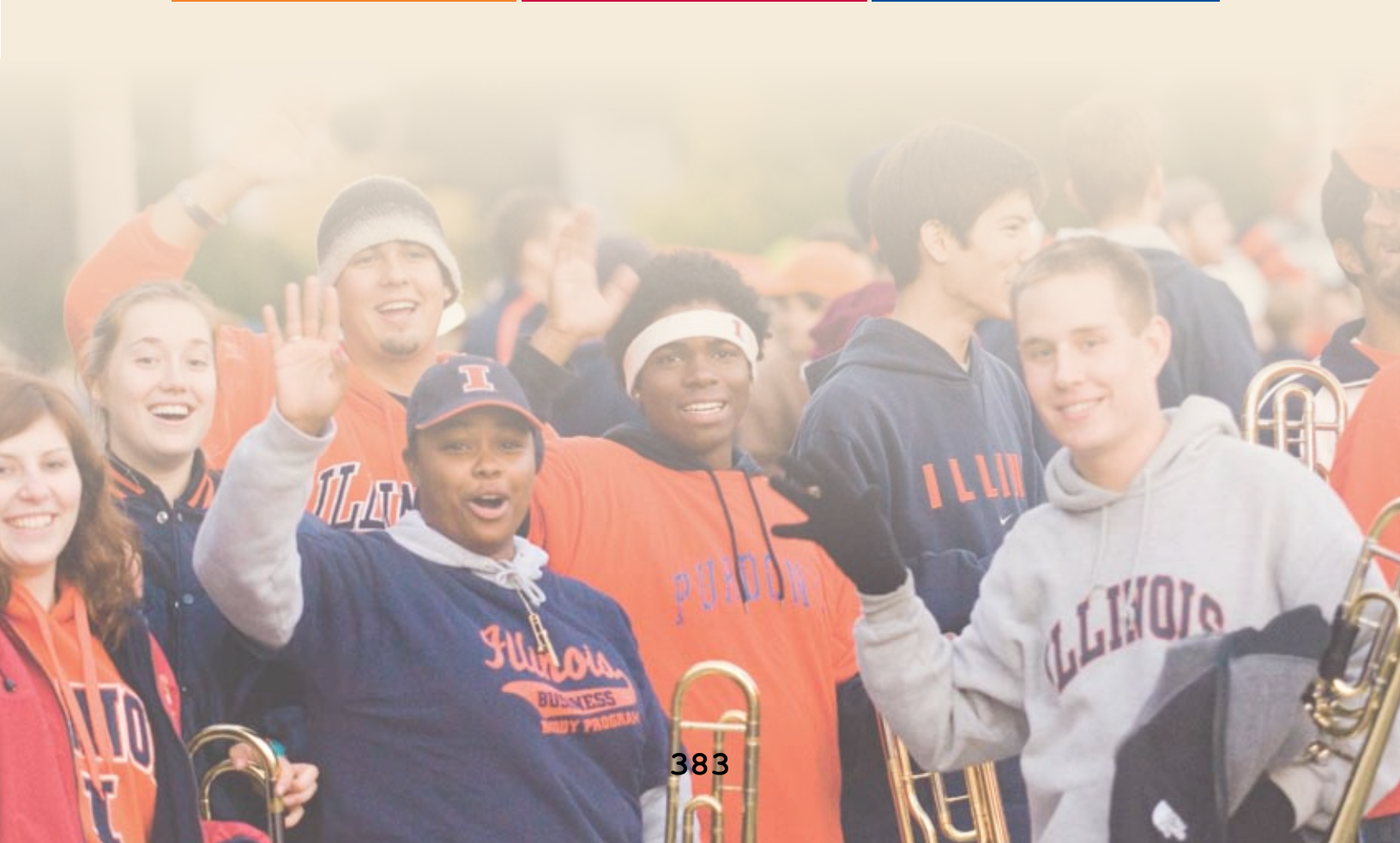
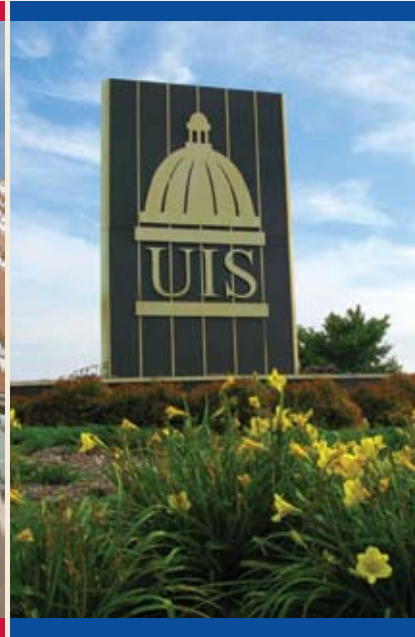
On July 12, 2007, the University sold Variable Rate Demand Health Services Facilities System Revenue Refunding Bonds Series 2007 in the amount of \$40,875,000. The closing date for these bonds was July 19, 2007. The proceeds of the Series 2007 Bonds will be used, together with certain other available monies, to defease the Health Services Facilities System Series 1997A Bonds and to pay all costs incidental to the issuance of the Series 2007 bonds.

On January 4, 2008, the University issued Certificates of Participations Series 2007A, 2007B, 2007C, and Taxable 2007D for the amounts of \$72,725,000, \$45,625,000, \$31,340,000, and \$81,500,000, respectively. The proceeds from the Series 2007A Certificates will be used to fund various improvements at all three University campuses and additions at the Urbana-Champaign campus, to refund the Series 1997 Certificates, and to pay all costs incidental to the issuance of the bonds. The proceeds from the Series 2007B Certificates will be used to refund a portion of the Series 2001 Certificates and to pay all costs incidental to the issuance of the bonds. The proceeds from the Series 2007C Certificates will be used to fund an addition at the University's health profession site in Rockford, Illinois. The proceeds from the Taxable Series 2007D Certificates will be used to fund a portion of the costs for the construction of a petascale computing facility.

This information is an integral part of the accompanying financial statement.

# Annual Financial Report

## FISCAL YEAR 2008





# AUDITED FINANCIAL STATEMENTS



**Statement of Net Assets as of June 30, 2008**  
with Comparative Totals for 2007 (in thousands)

	University		University Related Organizations	
	2008	2007	2008	2007
<b>ASSETS</b>				
<b>Current Assets:</b>				
Cash and cash equivalents	\$ 327,503	\$ 281,621	\$ 2,003	\$ 3,724
Cash and cash equivalents, restricted	289,811	365,395	2,859	2,346
Investments	7,450	4,490	54	
Investments, restricted	141,698	48,851		
Accrued investment income	5,039	5,091	1,921	2,033
Accounts receivable, net of allowance for uncollectible	368,459	356,959	12,002	33,905
Receivable from State of Illinois General Revenue Fund	1,355	1,577		
Pledges receivable, net of allowance			6,580	4,591
Notes receivable, net of allowance for uncollectible	7,489	10,998	93	
Accrued interest on notes receivable	2,931	2,895		
Inventories	28,795	27,542	13	4
Prepaid expenses and deferred charges	25,934	21,046	398	373
Due from related organizations	1,325	3,054		
Other assets			4,366	4,183
<b>Total Current Assets</b>	<b>1,207,789</b>	<b>1,129,519</b>	<b>30,289</b>	<b>51,159</b>
<b>Noncurrent Assets:</b>				
Cash and cash equivalents, restricted			445	1,447
Investments	340,524	339,340	148,157	152,774
Investments, restricted	261,281	235,904	1,062,546	1,095,925
Pledges receivable, net of allowance			20,681	20,656
Notes receivable, net of allowance for uncollectible	55,305	50,349		
Real estate and farm properties	13,766	14,060	27,504	24,406
Prepaid expenses	10,364	10,349		
Due from related organizations	1,232	3,577		
Irrevocable trust held by other trustees			8,591	8,617
Capital assets, net of accumulated depreciation	3,240,155	3,109,396	9,553	9,201
Other assets	12,777	12,851	15,596	15,289
<b>Total Noncurrent Assets</b>	<b>3,935,404</b>	<b>3,775,826</b>	<b>1,293,073</b>	<b>1,328,315</b>
<b>TOTAL ASSETS</b>	<b>\$ 5,143,193</b>	<b>\$ 4,905,345</b>	<b>\$ 1,323,362</b>	<b>\$ 1,379,474</b>
<b>LIABILITIES AND NET ASSETS</b>				
<b>Current Liabilities:</b>				
Accounts payable and accrued liabilities	\$ 271,804	\$ 216,777	\$ 35,570	\$ 57,584
Accrued payroll	132,453	119,267	479	564
Accrued compensated absences, current portion	17,048	16,761	1,254	984
Accrued self insurance, current portion	48,591	39,761		
Deferred revenue and student deposits	156,521	148,277	60	41
Accrued interest payable	17,248	17,191		
Notes payable			7,214	6,402
Annuities payable			6,904	6,700
Bonds payable, current portion	126,807	31,243		
Due to related organizations, current portion			1,325	3,054
Leaseholds payable and other obligations, current portion	25,942	34,285		
Assets held for others	35,646	32,530	1	89
<b>Total Current Liabilities</b>	<b>832,060</b>	<b>656,092</b>	<b>52,807</b>	<b>75,418</b>
<b>Noncurrent Liabilities:</b>				
Bonds payable	1,005,489	1,060,804		
Leaseholds payable and other obligations	625,458	463,755		
Due to related organizations			1,232	3,577
Accrued compensated absences	196,260	192,421		
Accrued self-insurance	128,577	116,417		
Annuities payable			46,987	44,408
Remainder interest due to others			6,491	7,360
Deferred distributions			55	61
<b>Total Noncurrent Liabilities</b>	<b>1,955,784</b>	<b>1,833,397</b>	<b>54,765</b>	<b>55,406</b>
<b>Total Liabilities</b>	<b>2,787,844</b>	<b>2,489,489</b>	<b>107,572</b>	<b>130,824</b>
<b>NET ASSETS</b>				
Invested in capital assets, net of related debt	1,822,522	1,830,995	2,339	2,799
Restricted:				
Nonexpendable	46,743	51,345	807,506	838,362
Expendable	396,220	392,651	375,852	377,944
Unrestricted	89,864	140,865	30,093	29,545
<b>Total Net Assets</b>	<b>2,355,349</b>	<b>2,415,856</b>	<b>1,215,790</b>	<b>1,248,650</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 5,143,193</b>	<b>\$ 4,905,345</b>	<b>\$ 1,323,362</b>	<b>\$ 1,379,474</b>

See accompanying notes to financial statements.

**Statement of Revenues, Expenses and Changes in Net Assets**  
Year Ended June 30, 2008 with Comparative Totals for 2007 (in thousands)

	University		University Related Organizations	
	2008	2007	2008	2007
<b>OPERATING REVENUES:</b>				
Student tuition and fees, net	\$ 662,464	\$ 617,812	\$	\$
Medical fees for services - state appropriation	45,523	46,207		
Federal appropriations	20,276	18,183		
Federal grants and contracts	587,189	585,981		
State of Illinois grants and contracts	94,651	82,382		
Private gifts, grants, and contracts	126,386	115,210	124,553	111,520
Educational activities	234,549	206,316		
Auxiliary enterprises, net	330,309	304,094		
Hospital and other medical activities, net	463,209	424,211		
Medical service plan	185,499	144,303		
Independent operations	10,924	10,620		
Interest and service charges on student loans	1,494	1,100		
On behalf - hospital and other medical activities	83,843	71,610		
Allocation from the University			12,273	12,324
Other sources			38,888	34,502
<b>TOTAL OPERATING REVENUES</b>	<b>2,846,316</b>	<b>2,628,029</b>	<b>175,714</b>	<b>158,346</b>
<b>OPERATING EXPENSES:</b>				
Instruction	758,676	703,540		
Research	568,946	561,876		
Public service	342,840	326,348		
Academic support	249,000	236,561		
Student services	99,314	88,374		
Institutional support	178,572	167,172	43,598	41,381
Operation and maintenance of plant	259,068	218,028		
Scholarships and fellowships	199,197	198,016		
Auxiliary enterprises	261,408	234,751		
Hospital and medical activities	470,345	431,762		
Independent operations	9,963	10,023		
Depreciation	199,609	191,679	491	510
On behalf payments for fringe benefits	441,480	376,657		
Distributions on behalf of the University			136,866	128,731
<b>TOTAL OPERATING EXPENSES</b>	<b>4,038,418</b>	<b>3,744,787</b>	<b>180,955</b>	<b>170,622</b>
Operating loss	(1,192,102)	(1,116,758)	(5,241)	(12,276)
<b>NONOPERATING REVENUES (EXPENSES):</b>				
State appropriations	680,503	665,752		
Private gifts	129,948	127,907		
On behalf payments for fringe benefits	357,637	305,047	1,591	1,540
Net investment income (net of investment expense of \$2,181 in 2008)	66,682	63,733	6,489	10,336
Net increase (decrease) in the fair value of investments	(60,508)	36,429	(72,562)	162,440
Interest on capital asset related debt	(68,091)	(71,768)	(448)	(541)
Loss on sale/disposal of capital assets	(3,552)	(1,834)		
Other nonoperating revenues, net	20,329	15,590	203	38
<b>Net nonoperating revenues (expenses)</b>	<b>1,122,948</b>	<b>1,140,856</b>	<b>(64,727)</b>	<b>173,813</b>
Income (loss) before other revenues, expenses, gains, or losses	(69,154)	24,098	(69,968)	161,537
Capital state appropriations	5,981	12,287		
Capital gifts and grants	2,412	8,541		
Private gifts for endowment purposes	254	945	37,108	28,353
<b>INCREASE (DECREASE) IN NET ASSETS</b>	<b>(60,507)</b>	<b>45,871</b>	<b>(32,860)</b>	<b>189,890</b>
<b>NET ASSETS, BEGINNING OF YEAR</b>	<b>2,415,856</b>	<b>2,369,985</b>	<b>1,248,650</b>	<b>1,058,760</b>
<b>NET ASSETS, END OF YEAR</b>	<b>\$ 2,355,349</b>	<b>\$ 2,415,856</b>	<b>\$ 1,215,790</b>	<b>\$ 1,248,650</b>

See accompanying notes to financial statements.

## Statement of Cash Flows

Year Ended June 30, 2008 with Comparative Totals for 2007 (in thousands)

	University		University Related Organizations	
	2008	2007	2008	2007
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>				
Student tuition and fees	\$ 668,651	\$ 618,289	\$	\$
Medical fees for service - state appropriations	45,523	46,207		
Federal, state, and local grants and contracts	697,470	686,489		
Private gifts, grants, and contracts	123,471	111,556	3,775	2,799
Sales and services of educational and other departmental activities	230,619	207,283		
Contributions and gifts			108,441	98,304
Service fee revenue			22,181	19,561
Auxiliary activities and independent operations	342,343	313,872		
Hospital and other medical activities	472,136	420,791		
Medical service plan	177,844	149,117		
Distributions on behalf of the University			(125,203)	(119,352)
Allocation from the University			8,223	8,376
Payments to employees and benefits	(2,112,381)	(2,036,192)	(20,954)	(18,866)
Payments to suppliers	(1,152,862)	(1,058,408)	(13,443)	(13,064)
Payments for scholarships and fellowships	(45,851)	(40,991)		
Payments to annuitants			(7,138)	(7,853)
Student loans issued	(10,133)	(18,209)		
Student loans collected	7,722	11,297		
Student loan interest and fees collected	1,416	1,258		
Other operating revenue			13,107	11,715
<b>NET CASH USED BY OPERATING ACTIVITIES</b>	<b>(554,032)</b>	<b>(587,641)</b>	<b>(11,011)</b>	<b>(18,380)</b>
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:</b>				
State appropriations	680,725	665,104		
Gifts transferred from University of Illinois Foundation	129,948	127,907		
Private gifts for endowment purposes	254	14	37,108	28,353
Advances and repayments to related organizations, net	4,073	3,041	(3,762)	(2,915)
Other, net	22,263	11,106	(103)	(191)
<b>NET CASH PROVIDED BY NONCAPITAL FINANCING ACTIVITIES</b>	<b>837,263</b>	<b>807,172</b>	<b>33,243</b>	<b>25,247</b>
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:</b>				
Proceeds from issuance of capital debt	339,872	330,171		
Capital state appropriations	339	659		
Capital gifts and grants	858	2,872		
Purchase of capital assets	(303,067)	(297,769)	(278)	(764)
Principal payments on bonds and capital leases	(163,640)	(115,840)		
Interest payments on bonds and capital leases	(69,560)	(57,089)	(300)	(325)
Payment on notes payable			(471)	(255)
Payments of bond issuance costs	(1,867)	(2,667)		
Other, net			482	(309)
<b>NET CASH USED BY CAPITAL AND RELATED FINANCING ACTIVITIES</b>	<b>(197,065)</b>	<b>(139,663)</b>	<b>(567)</b>	<b>(1,653)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>				
Interest and dividends on investments, net	55,483	56,759	9,638	13,218
Proceeds from sales and maturities of investments	3,855,986	1,091,517	1,270,275	1,247,304
Purchase of investments	(4,027,337)	(968,193)	(1,303,788)	(1,264,713)
<b>NET CASH PROVIDED (USED) BY INVESTING ACTIVITIES</b>	<b>(115,868)</b>	<b>180,083</b>	<b>(23,875)</b>	<b>(4,191)</b>
Net increase (decrease) in cash and cash equivalents	(29,702)	259,951	(2,210)	1,023
Cash and Cash Equivalents, Beginning of Year	647,016	387,065	7,517	6,494
<b>CASH AND CASH EQUIVALENTS, END OF YEAR</b>	<b>\$ 617,314</b>	<b>\$ 647,016</b>	<b>\$ 5,307</b>	<b>\$ 7,517</b>

## Statement of Cash Flows

Year Ended June 30, 2008 with Comparative Totals for 2007 (in thousands) - (continued)

	University		University Related Organizations	
	2008	2007	2008	2007
Reconciliation of operating loss to net cash used by operating activities:				
Operating loss	\$ (1,192,102)	\$ (1,116,758)	\$ (5,241)	\$ (12,276)
Adjustments to reconcile operating loss to net cash used by operating activities:				
On behalf payments for reimbursement of hospital and medical activities	(83,843)	(71,610)		
On behalf payments for fringe benefits expense	441,480	376,657	1,591	1,540
Depreciation expense	199,609	191,679	491	510
Changes in assets and liabilities:				
Accounts receivable, net	(11,208)	(8,674)	(404)	(214)
Notes receivable, net	(1,448)	(5,198)	(93)	
Accrued interest on notes receivable	(36)	116		
Inventories	(1,253)	(2,310)	(9)	(1)
Prepaid expenses and deferred charges	(3,533)	(3,038)	(25)	(4)
Pledges receivable			(2,000)	(2,000)
Other assets			(5,967)	(5,814)
Accounts payable	48,639	21,101	531	387
Accrued payroll	13,186	3,659	(85)	61
Deferred revenue and student deposits	8,245	7,001	19	(720)
Accrued compensated absences	4,126	1,874	269	62
Accrued self insurance	20,990	13,964		
Assets held for others	3,116	3,896	(88)	89
<b>Net cash used by operating activities</b>	<b>\$ (554,032)</b>	<b>\$ (587,641)</b>	<b>\$ (11,011)</b>	<b>\$ (18,380)</b>
Noncash investing, capital, and financing activities:				
On behalf payments for fringe benefits	\$ 357,637	\$ 305,047	\$ 1,591	\$ 1,574
Gifts in kind	957	5,669	22,599	12,291
Capital assets in accounts payable	70,647	64,258		50
Capital asset acquisitions by CDB	6,238	11,628		
Capital asset acquisitions via leaseholds payable	7,856	2,644		
Capital appreciation on bonds payable	10,597	10,763		
Net interest capitalized	7,423	676		
Other capital asset adjustments	1,990	763		
Loss on sale/disposal of capital assets	3,552	1,834		

See accompanying notes to financial statements.



# NOTES TO FINANCIAL STATEMENTS

## NOTE 1 - ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### Organization and Basis of Presentation

The University of Illinois (University), a federal land grant institution and a component unit of the State of Illinois, conducts education, research, public service and related activities principally at its three campuses in Urbana-Champaign, Chicago, which includes the University of Illinois Hospital (Hospital) and other health care facilities, and Springfield. The governing body of the University is The Board of Trustees of the University of Illinois (Board).

As required by accounting principles generally accepted in the United States of America, as prescribed by the Governmental Accounting Standards Board (GASB), these financial statements present the financial position and financial activities of the University (the primary government) and its component units as well as certain activities and expenses funded by other State agencies on behalf of the University or its employees. The component units discussed below are included in the University's financial reporting entity (Entity) because of the significance of their financial relationship with the University.

The University Related Organizations' (UROs) column in the financial statements includes the financial data of the University's discretely presented component units. The University of Illinois Foundation (Foundation), the University of Illinois Alumni Association (Alumni Association), and Wolcott, Wood and Taylor, Inc. (WWT) are included in the University's reporting entity because of the significance of their operational or financial relationship with the University. These component units are discretely presented in a separate column to emphasize that they are Illinois non-profit organizations legally separate from the University.

The Foundation was formed for the purpose of providing fund raising and other assistance to the University in order to attract private gifts to support the University's instructional, research and public service activities. In this capacity, the Foundation solicits, receives, holds and administers gifts for the benefit of the University. Complete financial statements for the Foundation may be obtained by writing the Senior Vice President for Administration, 400 Harker Hall, 1305 W. Green Street, Urbana, IL 61801.

The Alumni Association was formed to promote the general welfare of the University and to encourage and stimulate interest among students, former students and others in the University's programs. In this capacity, the Alumni Association offers memberships in the Alumni Association to former students, conducts various activities for students and alumni, and publishes periodicals for the benefit of alumni. Complete financial statements for the Alumni Association may be obtained by writing the Chief Financial Officer, Alice Campbell Alumni Center, 601 S. Lincoln Avenue, Urbana, IL 61801.

WWT was formed to provide practice management support services and operate as a billing/collection entity for health care activities under the laws of the State of Illinois. Complete financial information may be obtained by writing the President and CEO, 200 W. Adams, Suite 225, Chicago, IL 60606.

Prairieland Energy, Inc. (Prairieland), a for profit, wholly-owned subsidiary, was formed for the purpose of providing support for the University through delivery of comprehensive economical utility services to the University.

Illinois Ventures, LLC, (Illinois Ventures), a for profit, wholly-owned subsidiary, exists to facilitate the development of new companies commercializing technology originated or developed by faculty, staff and/or students of the University. The University desires Illinois Ventures to foster technology commercialization and economic development in accordance with the teaching, research, and public service missions of the University.

The University of Illinois Research Park, LLC, (Research Park), a for profit, wholly-owned subsidiary, was formed to aid and assist the University by establishing and operating a research park on the University's Urbana-Champaign campus. The Research Park was designed to promote the development of new companies which commercialize University technologies.

Activities of Prairieland, Illinois Ventures, and the Research Park for the current fiscal year, which were minimal, have been incorporated in the University's financial statements using the blended method.

The Foundation, Alumni Association, WWT, Prairieland, Illinois Ventures and the Research Park are related organizations as defined under *University Guidelines* adopted by the State of Illinois Legislative Audit Commission.

The University is a component unit of the State of Illinois for financial reporting purposes. The financial balances and activities included in these financial statements are, therefore, also included in the State's comprehensive annual financial report.

The basic financial statements include prior year comparative information, which has been derived from the University's 2007 financial statements. Such information does not include all of the information required to constitute a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the University's financial statements for the year ended June 30, 2007.

Certain items in the June 30, 2007 financial statements have been reclassified to correspond to the June 30, 2008 presentation.

The Entity's resources are classified into net asset categories and reported in the Statement of Net Assets. These categories are defined as (a) Invested in capital assets, net of related debt - capital assets net of accumulated depreciation and outstanding debt balances (b) Restricted nonexpendable - assets restricted by externally imposed stipulations (c) Restricted expendable - assets subject to externally imposed restrictions that can be fulfilled by actions of the Entity pursuant to those stipulations or that expire by the passage of time and (d) Unrestricted - assets not subject to externally imposed stipulations but may be designated for specific purposes by action of management or the Board of Trustees.

### Significant Accounting Policies

The Entity prepared its financial statements as a Business Type Activity, as defined by GASB Statement No. 35, using the economic resources measurement focus and the accrual basis of accounting. Business Type Activities are those financed in whole or in part by fees charged to external parties for goods and services.

The Statement of Revenues, Expenses, and Changes in Net Assets classifies the Entity's fiscal year activity as operating and nonoperating. Operating revenues generally result from exchange transactions such as payments received for providing goods and services, including tuition and fees, net of scholarships and fellowships, certain grants and contracts, sales and services of educational activities, hospital, and auxiliary enterprise revenues.

Scholarships and fellowships of \$160,201,000 and \$2,123,000 are netted against student tuition and fees and auxiliary enterprises revenues, respectively. Stipends and other payments made directly to students are reported as scholarship and fellowship expense. Net tuition and fees, except for Summer Session, are recognized as revenues as they are assessed. The portion of Summer Session tuition and fees applicable to the following fiscal year is deferred.

Grant and contract revenues which are received or receivable from external sources are recognized as revenues to the extent of related expenses or satisfaction of eligibility requirements on the accrual basis. Advances are classified as deferred revenue.

Certain revenue sources that the Entity relies on to provide funding for operations including State appropriations, gifts, and investment income are defined by GASB Statement No. 35 as nonoperating. In addition, transactions related to capital and financing activities are components of nonoperating revenues.

Appropriations made from the State of Illinois General Revenue Fund for the benefit of the University are recognized as nonoperating revenues when eligibility requirements are satisfied.

In accordance with GASB Statement No. 24, *Accounting and Financial Reporting for Certain Grants and Other Financial Assistance*, the University reported payments made to the State Universities Retirement System on behalf of the Entity for contributions to retirement programs for Entity employees of approximately \$144,642,000 for the year ended June 30, 2008. Substantially all employees participate in group health insurance plans administered by the State of Illinois. The employer contributions to these plans for University employees paid by State appropriations and auxiliary enterprises are paid to Central Management Services on behalf of the University. The employer contributions to these plans on behalf of employees paid from other University-held funds are paid by the University. The on behalf payments are approximately \$296,838,000 for 2008. The cost of these benefits paid on behalf of the Hospital are reflected as operating revenues as the result of certain contractual agreements. All other on behalf payments are reflected as nonoperating revenues. In all cases, the corresponding on behalf expense is reflected as operating and reported in on behalf payments for fringe benefits.

With respect to the Hospital, net patient service revenue is reported at the estimated net realizable amounts due from patients, third-party payors, and others for services rendered, including estimated retroactive adjustments under reimbursement agreements with third-party payors. Retroactive adjustments are accrued on an estimated basis in the period the related services are rendered and adjusted in future periods as final settlements are determined. The Hospital has agreements with third-party payors that provide for payments to the Hospital at amounts different from its established rates. Approximately 96% of the Hospital's net patient service revenues were derived from Medicare, Medicaid, Blue Cross and managed care programs for the year ended June 30, 2008. Payments under these programs are based on established program rates

or costs, as defined, of rendering services to program beneficiaries. The Hospital provides contractual allowances on a current basis for the differences between charges for services rendered and the expected payments under these programs. For the year ended June 30, 2008, the contractual allowances totalled \$888,714,000.

The Entity first applies restricted net assets when an expense or outlay is incurred for purposes for which both restricted and unrestricted net assets are available.

The majority of the Entity's expenses are exchange transactions which GASB defines as operating expenses for financial statement presentation. Nonoperating expenses include capital financing costs and costs related to investment activity.

Employment contracts for certain academic personnel provide for twelve monthly salary payments, although the contracted services are rendered during a nine month period. The liability for those employees who have completed their contracted services, but have not yet received final payment, was approximately \$53,295,000 at June 30, 2008 and is recorded in the accompanying financial statements. This amount will be paid from amounts specifically included in State of Illinois General Revenue Fund appropriations to the University for fiscal year 2009 rather than from the unrestricted net assets available at June 30, 2008.

Accrued compensated absences for Entity personnel are charged as an operating expense, using the vesting method, based on earned but unused vacation and sick leave days including the Entity's share of social security and medicare taxes. At June 30, 2008, the University estimates that \$119,876,000 of the accrued compensated absences liability will be paid out of State of Illinois General Revenue Fund appropriations to the University in subsequent years, rather than from unrestricted net assets available at June 30, 2008.

The Statement of Cash Flows details the change in the cash and cash equivalents balance for the fiscal year. Cash and cash equivalents include bank accounts and investments with original maturities of ninety days or less at the time of purchase. Such investments consist primarily of U.S. Treasury bills, commercial paper, repurchase agreements, and money market funds.

Inventories are stated at the lower of cost or market. Cost is determined principally by the average cost method.

For donor restricted endowments, the Uniform Management of Institutional Funds Act, as adopted in Illinois, permits the Board of Trustees of the University of Illinois to appropriate an amount of realized and unrealized endowment appreciation as they determine to be prudent. The University's policy is to retain the endowment realized and unrealized appreciation with the endowment after spending rule distributions.

Capital assets are recorded at cost or fair value at the date of a gift. Depreciation of the capital assets is calculated on a straight-line basis over the estimated useful lives (three to fifty years) of the respective assets. The University's policy requires the capitalization of all land and collection purchases regardless of cost, equipment at \$5,000, buildings and improvements at \$100,000, and infrastructure at \$1,000,000. The Entity does not capitalize collections of works of art or historical treasures held for public exhibition, education, or research in furtherance of public service rather than capital gain, unless they were capitalized as of June 30, 1999. Proceeds from the sale, exchange, or other disposal of any item belonging to a collection of works of art or historical treasures must be applied to the acquisition of additional items for the same collection.

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates. A material estimate that is particularly susceptible to significant change in the near term relates to the determination of the allowance for doubtful accounts and contractual allowances.

In accordance with GASB Statement No. 20, *Accounting and Financial Reporting for Proprietary Funds and Other Governmental Entities That Use Proprietary Fund Accounting*, the Entity follows all applicable GASB pronouncements. In addition, the Entity applies all applicable Financial Accounting Standards Board (FASB) Statements and Interpretations, Accounting Principles Board (APB) Opinions and Accounting Research Bulletins of the Committee on Accounting Procedures issued on or before November 30, 1989 unless those pronouncements conflict with or contradict GASB pronouncements. The Entity has elected not to apply FASB pronouncements issued after November 30, 1989.

## NOTE 2 - CASH AND DEPOSITS

The carrying amount of the University's and the UROs' cash totalled \$(9,647,000) and \$5,282,000 at June 30, 2008, respectively.

The total bank account balances at June 30, 2008, of the University and the UROs, aggregated \$11,557,000, and \$5,034,000, respectively, of which \$11,557,000, and \$4,337,000, respectively, was covered by federal depository insurance or by collateral held by an agent in the Entity's name.

Certificates of Deposit, which are reported as investments per GASB Statement No. 9, for the University and the URO's totalled \$ 400,000 and \$54,000 at June 30, 2008 and were covered by federal depository insurance or collateral held by an agent in the Entity's name.

## NOTE 3 - CASH EQUIVALENTS AND INVESTMENTS

Illinois Statutes govern the investment policies of the University. Allowable investments under these policies include:

- Obligations of the U.S. Treasury, other federal agencies, and instrumentalities
- Interest-bearing savings accounts and time deposits of any bank as defined by the Illinois Banking Act
- Corporate bonds and stocks
- Commercial paper
- Repurchase agreements
- Mutual funds

Additionally, the University has investments in real estate and farm properties that are carried at cost, or when donated, at the fair value at the date of donation. All other investments are carried at their fair value, as determined by quoted market prices when available, and otherwise by generally accepted valuation principles. Investment income and the change in fair value of investments is recognized in the fund which owned such investments, except for income derived from investments of the University Endowment Fund which is recognized in the fund to which the income is restricted.

Illinois Statutes require a third party custodian to perfect the University's security interest under repurchase agreements. The University follows industry standards and requires that securities underlying repurchase agreements must have a fair value of at least 102% of the cost of the repurchase agreement. At June 30, 2008, the University and the UROs had repurchase agreements of \$140,398,000 and \$25,000, respectively and the market value of securities underlying these repurchase agreements was \$155,865,000 and \$25,000, respectively, at June 30, 2008.

Nearly all of the University's and the UROs' investments are managed by external professional investment managers, who have full discretion to manage their portfolios subject to investment policy and manager guidelines established by the University and the UROs, and in the case of mutual funds and other commingled vehicles, in accordance with the applicable prospectus.

Distributions are made from the University Endowment Fund to the University entities that benefit from the endowment funds. The endowment spending rule provides for an annual distribution of 4.75% of the two-quarter lagged, three-year moving average market value of fund units. At June 30, 2008 net appreciation of \$16,812,000 is available to be spent, of which \$14,126,000 is restricted to specific purposes.

The Board develops University policy on investments and delegates the execution of those policies to its administrative agents. The University follows the State of Illinois Uniform Management of Institutional Funds Act when investing its endowment and operating funds. The State of Illinois Public Funds Investment Act provides the context and framework for plant fund investments. The following details the carrying value of the University's and the UROs' investment portfolio as of June 30, 2008:

**UNIVERSITY CASH EQUIVALENTS  
AND INVESTMENTS**  
(in thousands)

Certificates of Deposit	\$ 400
U.S. Treasury Put	4,345
U.S. Treasury Bonds and Bills	122,965
U.S. Government Agencies	207,900
Commercial Paper	72,577
Corporate Bonds	104,097
Bond Mutual Funds	61,776
Non Government Mortgage Backed Securities	65,005
Non U.S. Government Bonds	3,511
Repurchase Agreements	140,398
Money Market Funds	413,820
Illinois Public Treasurer's Investment Pool	2,628
Subtotal before equities and other investments	1,199,422
US Equities	20,046
International Equities	37,186
U.S. Equity Mutual Funds	110,578
Limited Partnerships	9,801
Preferred Stock	880
Real Estate	1
TOTAL	\$ 1,377,914

**URO CASH EQUIVALENTS  
AND INVESTMENTS**  
(in thousands)

U.S. and Other Government Securities	\$ 40,200
International Government Securities	228
Municipal Bonds	223
Corporate Bonds and Notes	57,037
Mutual Funds - Bonds	94,168
Mutual Funds - Municipal Bonds	2,154
Mutual Funds - Blended Bonds	4,613
Mutual Funds - Money Market	42,417
Certificates of Deposit	54
Repurchase Agreements	25
Subtotal before equities and other investments	241,119
U.S. Equities	235,000
International Equities	171,837
Preferred Stock	484
Mutual Funds - Stocks	181,523
Real Estate Trust and Partnerships	377,496
Other	3,323
TOTAL	\$ 1,210,782

*Interest Rate Risk:* Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The University employs multiple investment managers, of which each has specific maturity assignments related to the operating funds. The funds are structured with different layers of liquidity. Funds expected to be used within one year are invested in money market instruments. Core operating funds are invested in longer maturity investments. Core operating funds investment manager's performance benchmarks are Lehman Brothers 1-3 year Government Credit Bond Index and the Lehman Brothers Intermediate Aggregate Bond Index. The University's manager guidelines provide that the average weighted duration of the portfolio, including option positions, not vary from that of their respective performance benchmarks by more than +/-20 percent. The University's and the UROs' investments and maturities at June 30, 2008 are illustrated below:

**UNIVERSITY INVESTMENT MATURITIES**  
(in thousands)

	Total	Less than 1	1 - 5	6 - 10	Greater than 10
Certificates of Deposit	\$ 400	\$ 400	\$	\$	\$
U.S. Treasury Put	4,345				4,345
U.S. Treasury Bonds and Bills	122,965	53,945	55,536	13,051	433
U.S. Government Agencies	207,900	82,017	62,555	7,587	55,741
Commercial Paper	72,577	72,577			
Corporate Bonds	104,097	6,646	47,002	25,353	25,096
Bond Mutual Funds	61,776		669	61,107	
Non Government Mortgage Backed Securities	65,005		2,134	4,064	58,807
Non U.S. Government Bonds	3,511		3,511		
Repurchase Agreements	140,398	140,398			
Money Market Funds	413,820	413,820			
Illinois Public Treasurer's Investment Pool	2,628	2,628			
TOTAL	\$ 1,199,422	\$ 772,431	\$ 171,407	\$ 111,162	\$ 144,422

At June 30, 2008, the University's operating funds pool portfolio had an effective duration of 1.6 years.

**URO INVESTMENT MATURITIES**  
(in thousands)

	Total	Less than 1	1 - 5	6 - 10	Greater than 10
U.S. and Other Government Securities	\$ 40,200	\$	\$ 3,079	\$ 223	\$ 36,898
International Government Securities	228		105		123
Municipal Bonds	223			223	
Corporate Bonds and Notes	57,037		2,496	1,795	52,746
Mutual Funds - Bonds	94,168	9,204	39,295	45,623	46
Mutual Funds - Municipal Bonds	2,154	159	672	907	416
Mutual Funds - Blended Bonds	4,613		3,764	849	
Mutual Funds - Money Markets	42,417	42,417			
Repurchase Agreements & Certificates of Deposit	79	79			
<b>TOTAL</b>	<b>\$ 241,119</b>	<b>\$ 51,859</b>	<b>\$ 49,411</b>	<b>\$ 49,620</b>	<b>\$ 90,229</b>

*Credit Risk:* Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The University's policy requires that operating funds be invested in fixed income securities and money market instruments. Fixed income securities shall be rated investment grade or better by one or more nationally recognized statistical rating organizations. Securities not covered by the investment grade standard are allowed if, in the manager's judgment, those instruments are of comparable credit quality. Securities which fall below the stated minimum credit requirements subsequent to initial purchase may be held at the manager's discretion. It is expected that the average credit quality of the operating funds will not fall below Standard & Poor's AA- or equivalent. At June 30, 2008 the University and the UROs had debt securities and quality ratings as shown in the charts below:

**UNIVERSITY INVESTMENTS QUALITY RATINGS**  
(in thousands)

	Total	AAA/Aaa	AA/Aa	A/BA	BBB/Baa	BB/Ba	Less than BB or Not Rated
Certificates of Deposit	\$ 400	\$	\$	\$	\$	\$	\$ 400
U.S. Treasury Put	4,345						4,345
U.S. Treasury Bonds and Bills	122,965	122,965					
U.S. Government Agencies	207,900	207,900					
Commercial Paper	72,577	72,577					
Corporate Bonds	104,097	21,899	15,054	26,404	30,038	2,995	7,707
Bond Mutual Funds	61,776	1,822	59,285	669			
Non Government Mortgage Backed Securities	65,005	62,099	702	643	178	182	1,201
Non U.S. Government Bonds	3,511	2,322	388	439	362		
Repurchase Agreements	140,398						140,398
Money Market Funds	413,820	411,171					2,649
Illinois Public Treasurer's Investment Pool	2,628	2,628					
<b>TOTAL</b>	<b>\$ 1,199,422</b>	<b>\$ 905,383</b>	<b>\$ 75,429</b>	<b>\$ 28,155</b>	<b>\$ 30,578</b>	<b>\$ 3,177</b>	<b>\$ 156,700</b>

**URO INVESTMENTS QUALITY RATINGS**  
(in thousands)

	Total	AAA/Aaa	AA/Aa	A/BA	BBB/Baa	BB/Ba	Less than BB or Not Rated
U.S. and Other Government Securities	\$ 40,200	\$ 40,200	\$	\$	\$	\$	\$
International Government Securities	228			105	123		
Municipal Bonds	223	111	80				32
Corporate Bonds and Notes	57,037	21,321	5,911	3,399	7,472	3,704	15,230
Mutual Funds - Bonds	94,168	60,393	14,778	9,113	2,728	4,596	2,560
Mutual Funds - Municipal Bonds	2,154	788	1,019	249	92		6
Mutual Funds - Blended Bonds	4,613	210	3,999	280	121		3
Mutual Funds - Money Market	42,417	42,417					
Repurchase Agreements and Certificates of Deposit	79						79
<b>TOTAL</b>	<b>\$ 241,119</b>	<b>\$ 165,440</b>	<b>\$ 25,787</b>	<b>\$ 13,146</b>	<b>\$ 10,536</b>	<b>\$ 8,300</b>	<b>\$ 17,910</b>



**Custodial Credit Risk:** Custodial credit risk is the risk that in the event of the failure of the counterparty, the University will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Exposure to custodial credit risk relates to investment securities that are held by someone other than the University and are not registered in the University's name. The University investment policy does not limit the value of investments that may be held by an outside party. At June 30, 2008, the University's investments and deposits had no custodial credit risk exposure.

**Concentration of Credit Risk:** Concentration of credit risk is the risk of loss attributed to the magnitude of the University's investment in a single issuer. The University's policy provides that the total operating funds portfolio will be broadly diversified across securities in a manner that is consistent with fiduciary standards of diversification. This diversification is achieved by employing multiple investment managers and imposing maximum position limits for each manager. The University's manager guidelines for operating investments provide that non-U.S. government obligations may not exceed 10% per issuer and private mortgage-backed and asset-backed securities may not exceed 10% per issuer (unless collateral is credit independent of the issuer and the security's credit enhancement is generated internally, in which case the limit is 25% per issuer). Obligations with other issuers, other than the U.S. government, U.S. agencies, or U.S. government sponsored corporations and agencies, may not exceed 5%. As of June 30, 2008, not more than 5% of the University's and the URO's total investments were invested in securities of any one issuer, excluding securities issued or guaranteed by the U.S. government, mutual funds, and external investment pools or other pooled investments.

**Foreign Currency Risk:** Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or deposit. The University's operating fund investments generally are not exposed to foreign currency risk. The University does not have an overarching policy related to foreign currency risk; however, under the investment manager's guidelines, the portfolio's foreign currency exposure may be unhedged or hedged back into U.S. dollars. Cross hedging is not permitted. The U.S. dollar balances of the University's and the UROs' cash equivalents and investments exposed to foreign currency risk as of June 30, 2008 are categorized by currency below:

**UNIVERSITY INVESTMENTS FOREIGN CURRENCY EXPOSURE**  
(in thousands)

	Total	Cash Equivalents	Equity Investments
European Euro	\$ 13,737	\$ 318	\$ 13,419
British Pound	9,217	245	8,972
Swiss Franc	2,697	3	2,694
Japanese Yen	1,581		1,581
Hong Kong Dollar	1,548		1,548
Norwegian Krone	858		858
Singapore Dollar	715		715
Australian Dollar	664		664
South Korean Won	614		614
All other currency	6,155	34	6,121
<b>TOTAL</b>	<b>\$ 37,786</b>	<b>\$ 600</b>	<b>\$ 37,186</b>

**URO INVESTMENTS FOREIGN CURRENCY EXPOSURE**  
(in thousands)

	Total	Cash Equivalents	Equity Investments	International Mutual Funds	Real Estate Trusts and Partnerships
European Euro	\$ 52,571	\$ 709	\$ 36,599	\$ 7,384	\$ 7,879
British Pound	51,022	480	46,827	3,715	
Swiss Franc	16,812	578	14,869	1,365	
Japanese Yen	29,184	165	25,009	2,180	1,830
Hong Kong Dollar	6,803	32	5,268	1,217	286
Norwegian Krone	5,614	751	4,715	148	
Canadian Dollar	10,685	34	10,269	382	
Australian Dollar	6,631	114	6,070	447	
Swedish Krona	7,467	38	6,837	592	
All other currency	46,948	12,732	15,374	9,504	9,338
<b>TOTAL</b>	<b>\$ 233,737</b>	<b>\$ 15,633</b>	<b>\$ 171,837</b>	<b>\$ 26,934</b>	<b>\$ 19,333</b>



*Securities Lending:* To enhance the return on investment, the Board of Trustees of the University has authorized participation in a securities lending program. Through its custodian bank, the University loans securities to independent third parties. Such loans are secured by collateral consisting of cash, cash equivalents or U.S. Government securities and irrevocable bank letters of credit in an amount not less than 102% of the fair value of the securities loaned. Any collateral securities cannot be pledged or sold by the University unless the borrower defaults. The University receives interest and dividends during the loan period as well as a fee from the custodian. At June 30, 2008, the University has no credit risk exposure to borrowers because the amounts the University owes the borrowers exceed the amounts the borrowers owe the University. As of June 30, 2008, approximately \$129,527,000 of the investments reported on the University's Statement of Net Assets were on loan, secured by collateral with a fair value of approximately \$132,774,000.

## NOTE 4 - ACCOUNTS, NOTES, AND PLEDGES RECEIVABLE

The Entity provides allowances for uncollectible accounts and notes receivable based upon management's best estimate of uncollectible accounts and notes at the Statement of Net Assets date, considering type, age, collection history of receivables, and any other factors as considered appropriate. Accounts receivable are reported net of allowances of \$283,369,000 at June 30, 2008. Notes receivable are reported net of allowances of \$2,877,000 at June 30, 2008.

The composition of accounts receivable and notes and pledges receivable at June 30, 2008 is summarized as follows:

<b>ACCOUNTS RECEIVABLE, NET OF ALLOWANCE</b> (in thousands)	
Receivables from sponsoring agencies	\$ 174,931
Hospital and other medical activities	75,335
Student tuition and fees, net of allowances	23,392
Auxiliaries, net of discounts and allowances	10,364
Medical service plan	40,844
Educational activities	18,383
Other	25,210
<b>TOTAL</b>	<b>\$ 368,459</b>

<b>NOTES AND PLEDGES RECEIVABLE</b> (in thousands)	
<b>Student notes - University:</b>	
Student notes outstanding	\$ 65,671
Allowance for uncollectible loans	(2,877)
Total student notes, net	<u>\$ 62,794</u>
<b>Gift pledges outstanding - UROs:</b>	
Operations	\$ 15,913
Capital	22,544
Total gift pledges outstanding	38,457
Less:	
Allowance and unamortized discount to present value	(11,196)
Total pledges receivable, net	<u>\$ 27,261</u>

## NOTE 5 - CAPITAL ASSETS

Net interest cost incurred on borrowed funds during the period of construction of capital assets is capitalized as a component of the cost of acquiring those assets. Net interest of \$7,423,000 was capitalized during the year ended June 30, 2008.

Capital assets activity for the University and the UROs for the year ended June 30, 2008 is summarized as follows:

<b>CAPITAL ASSETS FOR THE UNIVERSITY</b> (in thousands)					
	Beginning Balance	Additions	Retirements	Transfers	Ending Balance
<b>Nondepreciable Capital Assets:</b>					
Land	\$ 126,301	\$	\$ (1)	\$	\$ 126,300
Construction in progress	289,517	244,401		(200,207)	333,711
Inexhaustible collections	14,813	661			15,474
<b>Total nondepreciable capital assets</b>	<b>430,631</b>	<b>245,062</b>	<b>(1)</b>	<b>(200,207)</b>	<b>475,485</b>
<b>Depreciable Capital Assets:</b>					
Buildings	2,783,377		(470)	193,964	2,976,871
Improvements and infrastructure	620,665		(48)	6,243	626,860
Equipment and software	1,103,554	65,267	(45,567)		1,123,254
Exhaustible collections	427,367	23,640			451,007
<b>Total depreciable capital assets</b>	<b>4,934,963</b>	<b>88,907</b>	<b>(46,085)</b>	<b>200,207</b>	<b>5,177,992</b>
<b>Less: accumulated depreciation</b>					
Buildings	924,386	69,209	(436)		993,159
Improvements and infrastructure	235,745	21,832			257,577
Equipment and software	775,173	88,235	(42,049)		821,359
Exhaustible collections	320,894	20,333			341,227
<b>Total accumulated depreciation</b>	<b>2,256,198</b>	<b>199,609</b>	<b>(42,485)</b>		<b>2,413,322</b>
<b>Total net depreciable capital assets</b>	<b>2,678,765</b>	<b>(110,702)</b>	<b>(3,600)</b>	<b>200,207</b>	<b>2,764,670</b>
<b>TOTAL</b>	<b>\$ 3,109,396</b>	<b>\$ 134,360</b>	<b>\$ (3,601)</b>	<b>\$</b>	<b>\$ 3,240,155</b>

<b>URO CAPITAL ASSETS</b> (in thousands)					
	Beginning Balance	Additions	Retirements	Transfers	Ending Balance
<b>Nondepreciable Capital Assets:</b>					
Land	\$ 639	\$	\$ (458)	\$	\$ 181
Farmland	2,497	1,283			3,780
<b>Total nondepreciable capital assets</b>	<b>3,136</b>	<b>1,283</b>	<b>(458)</b>		<b>3,961</b>
<b>Depreciable Capital Assets:</b>					
Buildings	4,663		(260)		4,403
Leasehold improvements	92				92
Equipment and software	4,220	283	(87)		4,416
<b>Total depreciable capital assets</b>	<b>8,975</b>	<b>283</b>	<b>(347)</b>		<b>8,911</b>
<b>Less: accumulated depreciation</b>					
Buildings	105	42			147
Leasehold improvements	83				83
Equipment and software	2,722	449	(82)		3,089
<b>Total accumulated depreciation</b>	<b>2,910</b>	<b>491</b>	<b>(82)</b>		<b>3,319</b>
<b>Total net depreciable capital assets</b>	<b>6,065</b>	<b>(208)</b>	<b>(265)</b>		<b>5,592</b>
<b>TOTAL</b>	<b>\$ 9,201</b>	<b>\$ 1,075</b>	<b>\$ (723)</b>	<b>\$</b>	<b>\$ 9,553</b>

## NOTE 6 - ACCRUED SELF-INSURANCE, LOSS CONTINGENCY AND COMPENSATED ABSENCES

The University's accrued self-insurance liability of \$177,168,000 at June 30, 2008 covers hospital patient liability; hospital and medical professional liability; estimated general and contract liability; and workers' compensation liability related to employees paid from local funds. The accrued self-insurance liability was discounted at a rate of 5.5% at June 30, 2008. Amounts increasing the accrued self-insurance liability are charged as expenses based upon estimates made by actuaries and the University's risk management division. The workers' compensation self-insurance liability of \$16,757,000 at June 30, 2008 related to employees who are paid from State appropriations is included in the University's accounts payable. These claims will be paid from State appropriations in the year in which the claims are finalized, rather than from unrestricted net assets as of June 30, 2008.

Accrued self-insurance includes \$124,287,000 at June 30, 2008 for the currently estimated ultimate cost of uninsured medical malpractice liabilities. Ultimate cost consists of amounts estimated by the University's risk management division and independent actuaries for asserted claims, unasserted claims arising from reported incidents, expected litigation expenses, and amounts determined by actuaries using relevant industry data and Hospital specific data to cover projected losses for claims incurred but not reported. Because the amounts accrued are estimates, the aggregate claims actually incurred could differ significantly from the accrued self-insurance liability at June 30, 2008. Changes in these estimates will be reflected in the Statement of Revenues, Expenses and Changes in Net Assets in the period when additional information is available.

The University has contracted with several commercial carriers to provide varying levels and upper limits of excess indemnity coverage. These coverages have been considered in determining the required accrued self-insurance liability. There were no settlements which exceeded insurance coverage during the last three years.

### CHANGES IN ACCRUED SELF-INSURANCE (in thousands)

Balance, beginning of year	\$ 156,178
Claims incurred and changes in estimates	65,165
Claim payments and other deductions	<u>(44,175)</u>
Balance, end of year	177,168
Less: current portion	<u>(48,591)</u>
Balance, end of year - noncurrent portion	<u>\$ 128,577</u>

Accrued compensated absences includes personnel earned but unused vacation and sick leave days, including the University's share of social security and medicare taxes, valued at the current rate of pay.

### CHANGES IN COMPENSATED ABSENCES BALANCE (in thousands)

Balance, beginning of year	\$ 209,182
Additions/(Deductions)	<u>4,126</u>
Balance, end of year	213,308
Less: current portion	<u>(17,048)</u>
Balance, end of year - noncurrent portion	<u>\$ 196,260</u>

## NOTE 7 - BONDS AND NOTES PAYABLE

On June 18, 2008 the University issued Variable Rate Demand Auxiliary Facilities System Revenue Bonds, Series 2008 in the amount of \$20,800,000. Proceeds from the Bonds will be used to fund various improvements to the Auxiliary Facilities System and to pay costs incidental to the issuance of the Bonds.

On July 19, 2007 the University issued \$40,875,000 Variable Rate Demand Health Services Facilities System Revenue Bonds, Series 2007. Proceeds from the bonds funded the redemption of the Variable Rate Demand Health Services Facilities System Revenue Bonds, Series 1997A and paid cost incidental to the issuance of the bonds. This resulted in projected savings of \$6,858,800 over the life of the issue at present value of approximately \$6,062,800. The difference between the reacquisition price and net carrying amount of the old debt, loss on refunding, was \$2,664,300. This loss is deferred and amortized as a component of interest expense over the remaining life of the old debt or the life of the new debt, whichever is shorter.

On June 26, 2008 the University issued \$41,215,000 Variable Rate Demand Health Services Facilities System Revenue Bonds, Series 2008. Proceeds from the bonds funded the redemption of the Variable Rate Demand Health Services Facilities System Revenue Bonds, Series 2007 on July 28, 2008 and paid costs incidental to the issuance of the Bonds. The difference between the reacquisition price and net carrying amount of the old debt, loss on refunding will be \$3,134,000. The loss is deferred and amortized as a component of interest expense over the remaining life of the old debt or the life of the new debt, whichever is shorter.

<b>BONDS PAYABLE</b> (in thousands)						
	Maturity Dates	Beginning Balance	New Debt	Principal Paid/Debt Refunded	Ending Balance	Current Portion
<b>AUXILIARY FACILITIES SYSTEM -</b>						
Current Interest Bonds	2008-2036	\$ 781,220	\$ 20,800	\$ 12,120	\$ 789,900	\$ 13,920
Capital Appreciation Bonds	2008-2030	265,040		15,005	250,035	14,975
WILLARD AIRPORT	2008-2009	510		250	260	260
HEALTH SERVICES FACILITIES SYSTEM	2008-2027	61,475	82,090	41,375	102,190	41,575
UIC SOUTH CAMPUS	2008-2023	77,300		2,255	75,045	56,410
		<u>\$ 1,185,545</u>	<u>\$ 102,890</u>	<u>\$ 71,005</u>	1,217,430	127,140
Unaccreted appreciation					(99,369)	(461)
					<u>1,118,061</u>	<u>126,679</u>
Unamortized debt premium					33,388	1,261
Unamortized loss on refunding					(19,153)	(1,133)
<b>TOTAL</b>					<u>\$ 1,132,296</u>	<u>\$ 126,807</u>

Capital appreciation bonds of \$250,035,000 outstanding at June 30, 2008 do not require current interest payments and have a net unappreciated value of \$150,666,000. The University records the annual increase in the principal amount of these bonds as interest expense and accretion on bonds payable.

None of the University's bonds described above constitute obligations of the State of Illinois. Costs associated with the issuance of the Series 1991, 1993, 1996, 1999A, 1999B, 2000, 2001A, 2001B, 2001C, 2003A, 2005A, 2005B, 2006, and 2008 Auxiliary Facilities System Bonds; Series 1997 Willard Airport Bonds; Series 1997B, 2007, and 2008 Health Services Facilities Bonds; and Series 2000, 2003, and 2006A UIC South Campus Bonds have been recorded as deferred charges and are being amortized over the life of the related bond issue.

The UIC South Campus Series 2006A Bonds, the Auxiliary Facilities System Series 2005B and 2008 Bonds, and the Health Services Facilities System Series 1997B, 2007, and 2008 Bonds are variable rate bonds which bear interest at a defined weekly rate determined by the remarketing agents and are paid monthly. The required future interest payments for these variable rate bonds have been calculated using the current interest rate, based upon short term tax exempt rates, as illustrated on the table below. Other outstanding bond issues bear interest at fixed rates ranging from 3.00% to 7.96%.

**VARIABLE RATES BONDS**  
**SHORT TERM TAX EXEMPT RATES AT JUNE 30, 2008**  
(in thousands)

<b>Bond Issue</b>	<b>Interest Rate at June 30, 2008</b>
UIC South Campus, Series 2006A	5.00%
Auxiliary Facilities System, Series 2005B	1.52%
Auxiliary Facilities System, Series 2008	1.50%
Health Services Facilities System, Series 1997B	1.60%
Health Services Facilities System, Series 2007	7.00%
Health Services Facilities System, Series 2008	1.60%

*Health Services Facilities System Variable Rate Debt and Interest Rate Swap Agreement*

On April 2, 2007 the University entered into a variable-to-fixed interest rate swap agreement. The purpose of this interest rate swap was to hedge variable rate demand Health Services Facility System revenue refunding bonds planned to be issued in July 2007. The notional amount of the interest rate swap was \$40,875,000 and equal to the planned par amount of the bonds. The University makes monthly payments to the counterparty equal to 3.534% times the notional amount and receives monthly payments from the counterparty equal to 68% of one-month LIBOR, commencing October 1, 2007. In the third and fourth quarters of Fiscal Year 2008, there was an unfavorable increase in the basis between the interest paid on the Series 2007 bonds and the variable payment received from the swap counterparty. This was primarily due to reduced demand for the bonds resulting from financial troubles encountered by the bond insurer, Ambac.

The University engaged a third-party consultant to calculate the “mark to market” or “market value” of the swap transaction. On June 30, 2008, the mark to market value of the swap was (\$1,471,476). Since this is a negative number, it represents an approximation of the amount of money that the University would be required to pay the swap provider to terminate the swap. In accordance with governmental accounting standards, this amount is not required to be included in the accompanying financial statements.

The University has the option to terminate the swap early. The University or the counterparty may terminate the swap if the other party fails to perform under the terms of the contract. The University may terminate the swap if both credit ratings of the counterparty fall below BBB+ as issued by Standard & Poor’s and Baa1 as issued by Moody’s Investors Service. The counterparty credit rating by Standard & Poor’s was A and by Moody’s Investors Service was A2. If at the time of termination the swap has a negative fair value, the University would be liable to the counterparty for a payment equal to the swap’s fair value.

The interest rate swap agreement with Lehman Brothers Commercial Bank transferred to the Series 2008 bonds on July 28, 2008.

*UIC South Campus Variable Rate Debt and Interest Rate Swap Agreement*

To facilitate the advance refunding of the UIC South Campus Development Project Series 1999 Bonds and, as a means to lower its borrowing costs, when compared against fixed-rate bonds at the time of issuance in February 2006, the University entered into two interest rate swaps in connection with its \$53,700,000 variable-rate Bonds (UIC South Campus Development Project) Series 2006A. The intention of the swaps was to effectively change the University’s variable interest rate on the Bonds to a synthetic fixed rate of 1.030% through August 1, 2007 and 4.292% thereafter, which includes the Bonds’ current liquidity facility fee of 0.200%. In addition, there is a 0.080% current remarketing fee. In the third and fourth quarters of Fiscal Year 2008, there was an unfavorable increase in the basis between the interest paid on the Series 2006A bonds and the variable payment received from the swap counterparties. This was primarily due to reduced demand for the bonds due to the financial troubles encountered by the bond insurer, Financial Guaranty Insurance Company (FGIC).

The Bonds and related swap agreements mature on January 15, 2022, and the swaps’ initial notional amount of \$53,700,000 matches the \$53,700,000 variable-rate Bonds. The swaps were entered at the same time as the Bonds were issued (February 2006). Starting in fiscal year 2011, the notional value of the swaps and the principal amount of the associated bonds decline. Under the swaps, the University pays the counterparties a fixed payment of 0.830% through August 1, 2007 and 4.092% thereafter and receives a variable payment equal to its cost-of-funds through February 3, 2010 and thereafter receives a variable payment equal to 68% of one-month LIBOR. On February 19, 2008, the variable payment

that the University receives changed from its cost-of-funds to Securities Industry & Financial Market Association Index (SIFMA) plus 0.05% through February 3, 2010. On June 30, 2008, SIFMA plus 0.05% increased to 1.60%. This change occurred because the monoline bond insurance company FGIC was downgraded below AA. The credit ratings for the first counterparty by Standard & Poor's and Moody's Investors Service were AA and Aa2, respectively. The credit ratings for the second counterparty by Standard & Poor's and Moody's Investors Service were A+ and Aa3, respectively.

The University engaged a third-party consultant to calculate the "mark to market" or "market value" of the swap transaction. On June 30, 2008, the combined mark to market value of the two swaps was (\$4,065,712). Since this is a negative number it represents an approximation of the amount of money that the University may have to pay the swap provider, JP Morgan, to terminate the swap. In accordance with governmental accounting standards, this amount is not required to be included in the accompanying financial statements.

The University has the option to terminate the swap early. The University or the counterparties may terminate the swaps if the other party fails to perform under the terms of the contract. The University may terminate the swap if both credit ratings of the counterparties fall below BBB+ as issued by Standard & Poor's and Baa1 as issued by Moody's Investors Service. If the swaps are terminated, the variable-rate Bonds would no longer carry a synthetic fixed interest rate. Also, if at the time of termination, the swaps have a negative fair value, the University would be liable to the counterparties for a payment equal to the swaps' fair value.

#### *Pledged Revenues and Debt Service Requirements*

The University has pledged specific revenues, net of specified operating expenses, to repay the principal and interest of revenue bonds. The following is a schedule of the pledged revenues and related debt:

<b>PLEGGED REVENUES</b> (in thousands)					
Bond Issue(s)	Purpose	Source of Revenue Pledged	Future Revenues Pledged <sup>2</sup>	Term of Commitment	Debt Service To Pledged Revenues (Current Year)
Auxiliary Facilities System (AFS)	Refundings, various improvements and additions to the System	Net AFS revenue, student tuition and fees	\$ 1,645,240	2036	9.63%
Willard Airport	Refunding of Series 1987	Net Willard Airport revenue	273	2009	100.0%
Health Services Facilities System (HSFS)	Additions to System and Refunding	Net HSFS, Medical Service Plan revenue net of bad debt expense, College of Medicine net tuition revenue	122,900	2027	1.14%
UIC South Campus	South Campus Development Project <sup>1</sup> and Refunding	Defined Tax Increment Financing District (TIF) revenue, student tuition and fees, and sales of certain land in the UIC South Campus project	82,037	2023	2.94%
<b>Total Future Revenues Pledged</b>			<b>\$ 1,850,450</b>		

<sup>1</sup>An integrated academic, residential, recreational, and commercial development south of UIC's main campus

<sup>2</sup>Total future principal and interest payments on debt (in thousands)

Future debt service requirements for all bonds outstanding at June 30, 2008 are as follows:

<b>DEBT SERVICE REQUIREMENTS</b> (in thousands)		
	Principal	Interest
2009	\$ 127,140	\$ 40,915
2010	33,250	39,421
2011	34,850	38,540
2012	37,370	37,568
2013	38,155	36,455
2014-2018	204,400	166,264
2019-2023	231,660	134,793
2024-2028	210,440	90,059
2029-2033	205,040	42,078
2034-2038	95,125	6,927
<b>TOTAL</b>	<b>\$ 1,217,430</b>	<b>\$ 633,020</b>

Using the actual rates of 5.0% and 7.0%, respectively in effect as of June 30, 2008, debt service requirements of the variable-rate debt and net swap payments, assuming current interest rates remain the same for their term, were as follows. As rates vary, variable-rate bond interest payments and net swap payments will also vary.

<b>UIC SOUTH CAMPUS BONDS, SERIES 2006A</b> <b>VARIABLE-RATE DEBT SERVICE REQUIREMENTS</b> (in thousands)				
	Variable-Rate Bonds		Interest Rate Swaps, Net	Total
	Principal	Interest		
2009	\$ 53,700	\$ 336	\$	\$ 54,036
<b>TOTAL</b>	<b>\$ 53,700</b>	<b>\$ 336</b>	<b>\$</b>	<b>\$ 54,036</b>

<b>HEALTH SERVICES FACILITIES SYSTEM REVENUE BONDS, SERIES 2007</b> <b>VARIABLE-RATE DEBT SERVICE REQUIREMENTS</b> (in thousands)				
	Variable-Rate Certificates		Interest Rate Swaps, Net	Total
	Principal	Interest		
2009	\$ 40,875	\$ 448	\$	\$ 41,323
<b>TOTAL</b>	<b>\$ 40,875</b>	<b>\$ 448</b>	<b>\$</b>	<b>\$ 41,323</b>



Certain bonds of the University have debt service reserve requirements. The Maximum Annual Net Debt Service for those bonds, as defined, is \$15,388,900.

*Advanced Refunded Bonds*

The University has defeased bonds through advanced funding in prior years and, accordingly, they are not reflected in the accompanying statements. The amount of bonds which have been defeased as of June 30, 2008 consists of the following:

<b>ADVANCE REFUNDED BONDS</b> (in thousands)	
Series	Outstanding at June 30, 2008
1978-M	\$ 6,245
1999	49,365
1999A	85,300
2000	10,785
2001B	55,315
TOTAL	\$ 207,010

The Foundation has a demand note outstanding with interest at 2.98% and principal outstanding of \$7,214,000. The change in the balance for fiscal year 2008 is as follows:

<b>URO NOTES PAYABLE</b> (in thousands)	
Balance, beginning of year	\$ 6,402
Proceeds	1,283
Payments	(471)
Balance, end of year	\$ 7,214

## NOTE 8 - LEASEHOLDS AND OTHER OBLIGATIONS

Leaseholds payable and other obligations activity for the year ended June 30, 2008 consist of the following:

<b>LEASEHOLDS AND OTHER OBLIGATIONS</b> (in thousands)					
	Beginning Balance	Additions	Deductions	Ending Balance	Current Portion
<b>University:</b>					
Certificates of Participation	\$ 440,770	\$ 231,210	\$ (83,290)	\$ 588,690	\$ 18,560
Unamortized debt premium	11,713	5,971	(1,612)	16,072	1,737
Unamortized deferred loss on refunding	(14,364)	(2,027)	1,586	(14,805)	(1,950)
	438,119	235,154	(83,316)	589,957	18,347
Other capital leases	55,081	8,164	(7,243)	56,002	7,499
Environmental remediation liability	4,840	608	(7)	5,441	96
Total University	\$ 498,040	\$ 243,926	\$ (90,566)	\$ 651,400	\$ 25,942
<b>UROs:</b>					
Annuities payable	\$ 51,108	\$ 2,783	\$	\$ 53,891	\$ 6,904
Other liabilities	7,360		(869)	6,491	
Total UROs	\$ 58,468	\$ 2,783	\$ (869)	\$ 60,382	\$ 6,904

The University leases various plant facilities and equipment under capital leases. This includes assets obtained with certificates of participation proceeds and recorded as capital leases, as well as other capital lease agreements funded through operations.

On January 4, 2008, the University issued Certificates of Participation Series 2007A, 2007B, 2007C, and 2007D. The 2007A Certificates were issued to acquire, construct, equip, and install certain facilities of the University of Illinois, as well as to refund the Series 1997 Certificates. The 2007B Certificates were issued to partially refund outstanding Certificates of Participation, Series 2001. The 2007C Certificates were issued to finance a portion of the cost of the College of Medicine Rockford National Center for Rural Health Professionals Facility. The taxable 2007D Certificates were issued to finance a portion of the cost of a Petascale Computing Facility, and related infrastructure costs. A portion of the proceeds from each of the Series 2007 Certificates was used to pay costs incidental to issuing the certificates. The refundings resulted in a projected cost of \$20,203,000 over the life of the issue at a present value loss of \$1,228,000. The difference between the reacquisition price and the net carrying amount of the old debt, loss on refunding, was \$2,208,000. This loss is deferred and amortized as a component of interest expense over the remaining life of the old debt or the life of the new debt, whichever is shorter.

Series 2007C and 2007D are variable rate certificates which bear interest at a defined weekly rate and are paid monthly. The required future interest payments for these variable rate certificates have been calculated using the current interest rate, based upon short term rates of 1.45% and 2.58% respectively, over the life of the certificates.

#### *Certificates of Participation Variable Rate Debt and Interest Rate Swap Agreement*

To facilitate the advance refunding of the Certificates of Participation (Utility Infrastructure Projects) Series 2001 A & B; and, as a means to lower its borrowing costs, when compared against fixed-rate bonds at the time of issuance in March 2004, the University entered into an interest rate swap agreement in connection with its \$143,665,000 variable-rate Certificates of Participation (Utility Infrastructure Projects) Series 2004. The intention of the swap was to effectively change the University's variable interest rate on the certificates to a synthetic fixed rate of 3.855%, which includes the certificates' current liquidity facility fee of 0.09%. In addition, there is a 0.05% current remarketing fee.

The certificates and related swap agreement mature on August 15, 2021, and the swap's initial notional amount of \$143,665,000 matches the \$143,665,000 variable-rate certificates. The swap was entered at the same time as the certificates were issued (March 2004). Starting in fiscal year 2006, the notional value of the swap and the principal amount of the associated certificates began to decline. Under the swap, the University pays the counterparty a fixed payment of 3.765% and receives a variable payment computed as 100% of the SIFMA. Conversely, the certificates' variable interest rates are expected to approximate SIFMA. For fiscal year 2008, the certificates' average variable interest rate was approximately .06% below the SIFMA. The counterparty credit rating by Standard & Poor's was A+ and by Moody's Investors Service was Aa3.

The University engaged a third-party consultant to calculate the "mark to market" or "market value" of the swap transaction. On June 30, 2008, the mark to market value of the swap was (\$4,070,918). Since this is a negative number, it represents an approximation of the amount of money that the University may have to pay a swap provider to terminate the swap. In accordance with governmental accounting standards, this amount is not required to be included in the accompanying financial statements.

The University has the option to terminate the swap early. The University or the counterparty may terminate the swap if the other party fails to perform under the terms of the contract. The University may terminate the swap if both credit ratings of the counterparty fall below BBB+ as issued by Standard & Poor's and Baa1 as issued by Moody's Investors Service. If the swap is terminated, the variable-rate certificates would no longer carry a synthetic fixed interest rate. Also, if at the time of termination the swap has a negative fair value, the University would be liable to the counterparty for a payment equal to the swap's fair value.

Using the actual rate of 1.45% in effect as of June 30, 2008, debt service requirements of the Series 2004 variable-rate certificates and net swap payments, assuming current interest rates remain the same for their term, were as follows. As rates vary, variable-rate interest payments and net swap payments will also vary.

**UTILITY INFRASTRUCTURE CERTIFICATES OF PARTICIPATION, SERIES 2004  
VARIABLE-RATE DEBT SERVICE REQUIREMENTS  
(in thousands)**

	Variable-Rate Certificates		Interest Rate	Total
	Principal	Interest	Swaps, Net	
2009	\$ 1,035	\$ 2,040	\$ 3,242	\$ 6,317
2010	1,075	2,019	3,223	6,317
2011	6,570	1,964	3,134	11,668
2012	6,840	1,867	2,979	11,686
2013	7,120	1,770	2,813	11,703
2014-2018	47,470	7,110	11,335	65,915
2019-2023	70,690	2,106	3,349	76,145
<b>TOTAL</b>	<b>\$ 140,800</b>	<b>\$ 18,876</b>	<b>\$ 30,075</b>	<b>\$ 189,751</b>

Assets held under capital leases are included in capital assets at June 30, 2008 as follows:

**ASSETS HELD UNDER CAPITAL LEASE  
(in thousands)**

Land	\$ 8,423
Buildings	111,975
Improvements	263,250
Equipment	170,173
Subtotal	553,821
Less: accumulated depreciation	144,310
<b>TOTAL</b>	<b>\$ 409,511</b>

The net present value of outstanding capital leases at June 30, 2008 is:

**OUTSTANDING CAPITAL LEASES  
(in thousands)**

Certificates of Participation:	
Series 2001 UI Integrate	\$ 16,625
Series 2003 South Farms	21,270
Series 2003 UI Integrate	31,700
Series 2003 Utility Infrastructure	52,625
Series 2004 Utility Infrastructure	140,800
Series 2005 College of Medicine	18,510
Series 2006A Academic Facilities	75,950
Series 2007A	72,725
Series 2007B	45,645
Series 2007C	31,340
Series 2007D	81,500
Other capital leases	56,002
<b>NET PRESENT VALUE</b>	<b>\$ 644,692</b>

As of June 30, 2008, future minimum lease payments under capital leases is as follows:

<b>FUTURE MINIMUM LEASE PAYMENTS UNDER CAPITAL LEASES (in thousands)</b>	
2009	\$ 52,284
2010	50,726
2011	46,726
2012	46,756
2013	51,735
2014-2018	270,113
2019-2023	231,608
2024-2028	153,727
2029-2033	9,270
Total minimum lease payments	<u>912,945</u>
Amount representing interest	<u>(268,253)</u>
NET PRESENT VALUE	<u>\$ 644,692</u>

*Advanced Refunded Certificates of Participation*

The University has defeased certificates through advanced funding in prior years and, accordingly, they are not reflected in the accompanying statements. The amount of certificates which have been defeased as of June 30, 2008 consists of the following:

<b>ADVANCE REFUNDED CERTIFICATES (in thousands)</b>	
Series	Outstanding at June 30, 2008
1977 Utility	\$ 10,510
1996 Utility	51,485
2001A Utility	74,080
2001B Utility	56,900
2001 UI - Integrate	45,810
TOTAL	<u>\$ 238,785</u>

The University monitors environmental matters and records an estimated liability for identified environmental remediation costs. The estimated liability at June 30, 2008 is \$5,441,000.

The University also leases various buildings and equipment under operating lease agreements. Total rental expense under these agreements was \$11,046,000 for the year ended June 30, 2008. The future minimum lease payments (excluding those leases renewed on an annual basis) are as follows:

<b>FUTURE MINIMUM OPERATING LEASE PAYMENTS (in thousands)</b>	
2009	\$ 7,773
2010	5,105
2011	3,479
2012	2,203
2013	1,721
2014-2018	5,265
2019-2023	128
2024-2026	47
TOTAL	<u>\$ 25,721</u>

At June 30, 2008, the Foundation had annuities payable outstanding of \$53,891,000. Annuities payable represent an actuarial computation of the present value of future payments to annuitants.

## NOTE 9 - NET ASSETS

As discussed in Note 1 to the financial statements, the Entity's net assets are classified for accounting and reporting purposes into one of four net asset categories according to externally imposed restrictions. The following tables include detail of the net asset balances for the University and the UROs including major categories of restrictions and internal designations of unrestricted funds.

UNIVERSITY NET ASSETS (in thousands)	
Invested in capital assets, net of related debt	\$ 1,822,522
Restricted - nonexpendable	
Invested in perpetuity to produce income expendable for -	
Scholarships, fellowships and research	46,743
Restricted - expendable for -	
Scholarships, fellowships and research	232,410
Loans	77,089
Service plans	61,431
Retirement of indebtedness	23,028
Capital projects	2,262
Unrestricted -	
Designated for:	
Auxiliary	23,360
Hospital	68,908
Capital projects	56,114
Self supporting activities	10,030
Institutional support	28,538
Quasi endowments	101,435
Amount expected to be financed in future years	(202,308)
Undesignated	3,787
<b>TOTAL</b>	<b>\$ 2,355,349</b>

URO NET ASSETS (in thousands)	
Invested in capital assets, net of related debt	\$ 2,339
Restricted - nonexpendable	
Invested in perpetuity to produce income expendable for -	
Scholarships, fellowships and research	807,506
Restricted - expendable for -	
Scholarships, fellowships and research	375,852
Unrestricted	30,093
<b>TOTAL</b>	<b>\$ 1,215,790</b>

## NOTE 10 - FUNDS HELD IN TRUST BY OTHERS

The University and Foundation are income beneficiaries of several irrevocable trusts which are held and administered by outside trustees. The University and Foundation have no control over these funds as to either investment decisions or income distributions, thus the principal is not recorded in the accompanying financial statements. The fair value of these funds at June 30, 2008 and the amount of income received from these trusts during the year then ended were as follows:

<b>FUNDS HELD IN TRUST BY OTHERS</b>		
(in thousands)		
	University	Foundation
Fair value of funds held in trust by others	\$ 40,383	\$ 26,287
Income received from funds held in trust by others	\$ 1,283	\$ 1,577

## NOTE 11 - STATE UNIVERSITIES RETIREMENT SYSTEM

The Entity contributes to the State Universities Retirement System of Illinois (SURS), a cost-sharing multiple-employer defined-benefit pension plan with a special funding situation whereby the State of Illinois makes substantially all actuarially determined required contributions on behalf of the participating employers. SURS was established July 21, 1941, to provide retirement annuities and other benefits for staff members and employees of the State universities, certain affiliated organizations, and certain other State educational and scientific agencies and for survivors, dependents, and other beneficiaries of such employees. SURS is considered a component unit of the State of Illinois' financial reporting entity and is included in the State's financial reports as a pension trust fund. SURS is governed by Section 5/15, Chapter 40, of the Illinois Compiled Statutes. SURS issues a publicly available financial report that includes financial statements and required supplementary information. That report may be obtained by accessing the website at [www.SURS.org](http://www.SURS.org) or by calling 1-800-275-7877.

Eligible employees must participate upon initial employment. Employees are ineligible to participate if (a) employed after having attained age 68; (b) employed less than 50% of full-time; or (c) employed less than full-time and attending classes with an employer. Of those Entity employees ineligible to participate, the majority are students at the University.

SURS provides retirement, disability and death benefits. Members are eligible for normal retirement at any age after 35 years of service, at age 60 after 8 years of service or at age 62 after 5 years of service. There are also provisions for early retirement. Retirement benefits are based on certain formulas that generally are a function of years of service and the average salary based on the highest earnings of any four consecutive years. Disability benefits are paid to disabled members with two years of covered service, generally at 50% of basic compensation until the total benefits paid equal 50% of the total earnings in covered service. Death benefits are payable to survivors of an active member with one and one half years of covered service or of a former member with ten years of covered service. These benefits are payable until children attain the age of 18, to a spouse after age 50 and to a dependent parent after age 55. Benefits are equal to the retirement contributions and interest, a lump sum payment of \$1,000, and a monthly annuity equal to a portion of the accrued normal retirement benefit based on specified formulas.

Plan members are required to contribute 8.0% of their annual covered salary and substantially all employer contributions are made by the State of Illinois on behalf of the individual employers at an actuarially determined rate. The current rate is 12.88% of annual covered payroll. The contribution requirements of plan members and employers are established and may be amended by the Illinois General Assembly. The University's contributions to SURS for the years ended June 30, 2008, 2007, and 2006 were \$174,318,000, \$138,499,000 and \$101,570,000 respectively, equal to the required contributions for each year. The URO's contributions to SURS for the years ended June 30, 2008, 2007, and 2006 were \$800,000, \$719,000 and \$573,000, respectively.

Entity employees hired prior to April 1, 1986 are exempt from contributions required under the Federal Insurance Contribution Act. Employees hired after March 31, 1986 are required to contribute 1.45% of their gross salary for Medicare. The Entity is required to match this contribution.

Employees may also elect to participate in certain tax-sheltered retirement plans. These voluntary plans permit employees to designate a part of their earnings into tax-sheltered investments and thus defer federal and state income taxes on their contributions and the accumulated earnings under the plans. Participation and the level of employee contributions are voluntary. The employer is not required to make contributions to these plans.

## NOTE 12 - POSTEMPLOYMENT BENEFITS

The State provides health, dental, vision, and life insurance benefits for retirees and their dependents in a program administered by the Department of Healthcare and Family Services along with the Department of Central Management Services. Substantially all State employees become eligible for post-employment benefits if they eventually become annuitants of one of the State sponsored pension plans. Health, dental, and vision benefits include basic benefits for annuitants and dependents under the State's self-insurance plan and insurance contracts currently in force. Annuitants may be required to contribute towards health, dental, and vision benefits with the amount based on factors such as date of retirement, years of credited service with the State, whether the annuitant is covered by Medicare, and whether the annuitant has chosen a managed health care plan. Annuitants who retired prior to January 1, 1998, and who are vested in the State Employee's Retirement System do not contribute towards health, dental, and vision benefits. For annuitants who retired on or after January 1, 1998, the annuitant's contribution amount is reduced five percent for each year of credited service with the State allowing those annuitants with twenty or more years of credited service to not have to contribute towards health, dental, and vision benefits. Annuitants also receive life insurance coverage equal to the annual salary of the last day of employment until age 60, at which time the benefit becomes \$5,000.

The State pays the Entity's portion of employer costs for the benefits provided. The total cost of the State's portion of health, dental, vision, and life insurance benefits of all members, including post-employment health, dental, vision, and life insurance benefits, is recognized as an expenditure by the State in the Illinois Comprehensive Annual Financial Report. The State finances the costs on a pay-as-you-go basis. The total costs incurred for health, dental, vision, and life insurance benefits are not separated by department or component unit for annuitants and their dependents nor active employees and their dependents.

A summary of post-employment benefit provisions, changes in benefit provisions, employee eligibility requirements including eligibility for vesting, and the authority under which benefit provisions are established are included as an integral part of the financial statements of the Department of Healthcare and Family Services. A copy of the financial statements of the Department of Healthcare and Family Services may be obtained by writing to the Department of Healthcare and Family Services, 201 South Grand Ave., Springfield, Illinois, 62763-3838.

## NOTE 13 - COMMITMENTS AND CONTINGENCIES

At June 30, 2008 the University had commitments on various construction projects and contracts for repairs and renovation of facilities of approximately \$135,775,000.

The University receives monies from federal and state government agencies under grants and contracts for research and other activities. The costs, both direct and indirect, charged to these grants and contracts are subject to audit and disallowance by the granting agency. The University believes that any disallowances or adjustments would not have a material effect on the University's financial position.

The University also receives monies under third-party payor arrangements for payment of medical services rendered at its hospital and clinics. Some of these arrangements allow for settlement adjustments based on costs and other factors. The University believes that any adjustments would not have a material effect on the University's financial position.

The University is a defendant in a number of legal actions primarily related to medical malpractice. These legal actions have been considered in estimating the University's accrued self-insurance liability. The total of amounts claimed under these legal actions, including potential settlements and amounts relating to losses incurred but not reported, could exceed the amount of the self-insurance liability. In the opinion of the University's administrative officers, the University's self-insurance liability and limited excess indemnity insurance coverage from commercial carriers are adequate to cover the ultimate liability of these legal actions, in all material respects.

The University's hospital and clinics are involved in regulatory audits arising in the normal course of business. On June 8, 2007, a notice was received from the Office of Inspector General on behalf of the Illinois Department of Healthcare and Family Services (HFS) indicating that the University received an overpayment of \$14.8 million on behalf of Medicaid patients. During fiscal year 2008, the University submitted additional documentation and evidence of its positions. HFS conducted a reaudit and on June 18, 2008 issued a revised notice of audit findings reducing the overpayment from \$14.8 million to \$8.6 million. University management is in the process of contesting this overpayment and estimates its probable liability regarding this overpayment is approximately \$8.0 million. This liability has been reflected in the University's financial position and results from operations. Please refer to Note 17 for subsequent events regarding this liability.



## NOTE 14 - OPERATING EXPENSES BY NATURAL CLASSIFICATION

Operating expenses by natural classification for the year ended June 30, 2008 for the University and the UROs are summarized as follows:

<b>UNIVERSITY OPERATING EXPENSES BY NATURAL CLASSIFICATION</b> (in thousands)					
	Compensation and benefits	Supplies and services	Student aid	Depreciation	Total
Instruction	\$ 613,575	\$ 141,145	\$ 3,956	\$	\$ 758,676
Research	371,610	195,403	1,933		568,946
Public service	198,349	142,316	2,175		342,840
Academic support	156,020	87,291	5,689		249,000
Student services	61,306	37,110	898		99,314
Institutional support	130,539	47,834	199		178,572
Operations and maintenance of plant	74,175	181,098	3,795		259,068
Scholarships and fellowships	178,744	1,659	18,794		199,197
Auxiliary enterprises	87,878	164,157	9,373		261,408
Hospital and medical activities	259,075	211,270			470,345
Independent operations	1,540	8,423			9,963
Depreciation				199,609	199,609
On behalf payments for fringe benefits	441,480				441,480
<b>TOTAL</b>	<b>\$ 2,574,291</b>	<b>\$ 1,217,706</b>	<b>\$ 46,812</b>	<b>\$ 199,609</b>	<b>\$ 4,038,418</b>

<b>URO OPERATING EXPENSES BY NATURAL CLASSIFICATION</b> (in thousands)				
	Distribution on behalf of the University	Institutional support	Depreciation	Total
Salaries and benefits	\$	\$ 21,065	\$	\$ 21,065
Distributions on behalf of the University	136,866			136,866
Marketing and communications		7,084		7,084
Travel		1,159		1,159
Equipment		531		531
Meeting, conferences and special events		1,196		1,196
Supplies and other		12,563		12,563
Depreciation			491	491
<b>TOTAL</b>	<b>\$ 136,866</b>	<b>\$ 43,598</b>	<b>\$ 491</b>	<b>\$ 180,955</b>

## NOTE 15 - SEGMENT INFORMATION

The following financial information represents identifiable activities for which one or more revenue bonds is outstanding. The Auxiliary Facilities System is comprised of University owned housing units, student unions, recreation and athletic facilities, and similar auxiliary service units, including parking. The Health Services Facilities System is comprised of the University of Illinois Hospital and associated clinical facilities providing patient care. The Willard Airport Facility is comprised of land, hangars, a terminal building, parking lots, runways, and related apron areas.

(in thousands)				
	AUXILIARY FACILITIES SYSTEM	HEALTH SERVICES FACILITIES SYSTEM	WILLARD AIRPORT FACILITY	TOTAL
<b>Condensed Statement of Net Assets</b>				
<b>ASSETS:</b>				
Current assets	\$ 244,687	\$ 217,757	\$ 1,643	\$ 464,087
Noncurrent assets				
Capital assets, net of accumulated depreciation	883,986	161,507	32,666	1,078,159
Other noncurrent assets	23,090	2,684		25,774
<b>TOTAL ASSETS</b>	<b>\$ 1,151,763</b>	<b>\$ 381,948</b>	<b>\$ 34,309</b>	<b>\$ 1,568,020</b>
<b>LIABILITIES:</b>				
Current liabilities	\$ 97,547	\$ 124,690	\$ 421	\$ 222,658
Noncurrent liabilities				
Long term debt	940,734	71,529	134	1,012,397
Other liabilities	5,597	21,949	740	28,286
<b>TOTAL LIABILITIES</b>	<b>1,043,878</b>	<b>218,168</b>	<b>1,295</b>	<b>1,263,341</b>
<b>NET ASSETS:</b>				
Invested in capital assets, net of related debt	9,580	90,433	32,248	132,261
Restricted				
Expendable	21,744	2,286	528	24,558
Unrestricted	76,561	71,061	238	147,860
<b>TOTAL NET ASSETS</b>	<b>107,885</b>	<b>163,780</b>	<b>33,014</b>	<b>304,679</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 1,151,763</b>	<b>\$ 381,948</b>	<b>\$ 34,309</b>	<b>\$ 1,568,020</b>
<b>Condensed Statement of Revenues, Expenses and Changes in Net Assets</b>				
Operating revenues	\$ 266,216	\$ 578,475	\$ 2,668	\$ 847,359
Operating expenses	229,038	551,011	2,879	782,928
Depreciation expense	20,056	21,258	1,955	43,269
Operating income (loss)	17,122	6,206	(2,166)	21,162
Nonoperating revenues (expenses)	(12,503)	(5,161)	585	(17,079)
Capital and endowment additions			547	547
<b>Increase (decrease) in net assets</b>	<b>4,619</b>	<b>1,045</b>	<b>(1,034)</b>	<b>4,630</b>
<b>Net assets, beginning of year</b>	<b>103,266</b>	<b>162,735</b>	<b>34,048</b>	<b>300,049</b>
<b>NET ASSETS, END OF YEAR</b>	<b>\$ 107,885</b>	<b>\$ 163,780</b>	<b>\$ 33,014</b>	<b>\$ 304,679</b>
<b>Condensed Statement of Cash Flows</b>				
Net cash flows provided (used) by operating activities	\$ 56,731	\$ 51,528	\$ (69)	\$ 108,190
Net cash flows (used) provided by noncapital financing activities	(833)	38,556	635	38,358
Net cash flows used by capital and related financing activities	(205,125)	(16,999)	(1,250)	(223,374)
Net cash flows provided (used) by investing activities	4,144	(2,615)	54	1,583
Net (decrease) increase in cash and cash equivalents	(145,083)	70,470	(630)	(75,243)
Cash and cash equivalents, beginning of year	350,042	61,732	2,158	413,932
<b>Cash and cash equivalents, end of year</b>	<b>\$ 204,959</b>	<b>\$ 132,202</b>	<b>\$ 1,528</b>	<b>\$ 338,689</b>

## NOTE 16 - UNIVERSITY RELATED ORGANIZATIONS

The Entity's financial statements include the activity of the University Related Organizations which represent the discretely presented component units. Below are condensed financial statements by organization:

(in thousands)				
	FOUNDATION	ALUMNI ASSOCIATION	WWT	TOTAL
<b>Condensed Statement of Net Assets</b>				
<b>ASSETS:</b>				
Current assets	\$ 27,569	\$ 2,185	\$ 535	\$ 30,289
Noncurrent assets				
Capital assets, net of accumulated depreciation	8,551	723	279	9,553
Other noncurrent assets	1,268,479	15,041		1,283,520
<b>TOTAL ASSETS</b>	<b>\$ 1,304,599</b>	<b>\$ 17,949</b>	<b>\$ 814</b>	<b>\$ 1,323,362</b>
<b>LIABILITIES:</b>				
Current liabilities	\$ 49,873	\$ 2,043	\$ 891	\$ 52,807
Noncurrent liabilities				
Long term debt				
Other noncurrent liabilities	53,524	1,241		54,765
<b>TOTAL LIABILITIES</b>	<b>103,397</b>	<b>3,284</b>	<b>891</b>	<b>107,572</b>
<b>NET ASSETS:</b>				
Invested in capital assets, net of related debt	1,337	723	279	2,339
Restricted				
Nonexpendable	807,506			807,506
Expendable	375,852			375,852
Unrestricted	16,507	13,942	(356)	30,093
<b>TOTAL NET ASSETS</b>	<b>1,201,202</b>	<b>14,665</b>	<b>(77)</b>	<b>1,215,790</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>\$ 1,304,599</b>	<b>\$ 17,949</b>	<b>\$ 814</b>	<b>\$ 1,323,362</b>
<b>Condensed Statement of Revenues, Expenses and Changes in Net Assets</b>				
Operating revenues	\$ 156,139	\$ 10,934	\$ 8,641	\$ 175,714
Operating expenses	162,260	10,292	7,912	180,464
Depreciation expense	218	73	200	491
Operating income (loss)	(6,339)	569	529	(5,241)
Nonoperating revenues (expenses)	(64,520)	(220)	13	(64,727)
Contributions to endowments	37,108			37,108
<b>Increase (decrease) in net assets</b>	<b>(33,751)</b>	<b>349</b>	<b>542</b>	<b>(32,860)</b>
<b>Net assets (deficits), beginning of year</b>	<b>1,234,953</b>	<b>14,316</b>	<b>(619)</b>	<b>1,248,650</b>
<b>NET ASSETS (DEFICITS), END OF YEAR</b>	<b>\$ 1,201,202</b>	<b>\$ 14,665</b>	<b>\$ (77)</b>	<b>\$ 1,215,790</b>
<b>Condensed Statement of Cash Flows</b>				
Net cash flows (used) provided by operating activities	\$ (13,489)	\$ 1,428	\$ 1,050	\$ (11,011)
Net cash flows provided (used) by noncapital financing activities	37,108	(975)	(2,890)	33,243
Net cash flows used by capital and related financing activities	(235)	(281)	(51)	(567)
Net cash flows (used) provided by investing activities	(24,482)	599	8	(23,875)
Net increase (decrease) in cash and cash equivalents	(1,098)	771	(1,883)	(2,210)
Cash and cash equivalents, beginning of year	4,913	691	1,913	7,517
<b>Cash and cash equivalents, end of year</b>	<b>\$ 3,815</b>	<b>\$ 1,462</b>	<b>\$ 30</b>	<b>\$ 5,307</b>

## NOTE 17 - SUBSEQUENT EVENTS

On July 16, 2008, the University issued Variable Rate Demand UIC South Campus Development Project Revenue Refunding Bonds, Series 2008, in the amount of \$54,245,000. The proceeds from these Series 2008 bonds will be used to refund and redeem all of the \$53,700,000 aggregate outstanding principal amount of the Variable Rate UIC South Campus Series 2006A Bonds and to pay costs incidental to the issuance of the Series 2008 Bonds.

On July 28, 2008, the University refunded Variable Rate Demand Health Services Facilities System Revenue Refunding Bonds Series 2007 in the amount of \$40,875,000. The proceeds from Series 2008 bonds were used to retire the Series 2007 debt. Please refer to Note 7 for details regarding this debt refunding.

Lehman Brothers Commercial Bank is the counterparty for the variable-to-fixed interest rate swap agreement which was transferred to the Health Services Facilities System (HSFS) Series 2008 on July 28, 2008. Lehman Brothers Holdings, Inc. filed for Chapter 11 bankruptcy protection on September 15th, 2008. Lehman Brothers Commercial Bank is a subsidiary of Lehman Brothers Holdings, Inc. Lehman Brothers Commercial Bank did not file for bankruptcy. Lehman Brothers Commercial Bank was downgraded to B3 by Moody's on September 15, 2008 and to D by Standard & Poor's on September 16, 2008. This downgrade gave the University the option to terminate the HSFS Series 2008 interest swap agreement. The mark to market value of the swap on September 17, 2008 was (\$2,915,000). This is approximately the amount that the University would have to pay to terminate the interest rate swap.

The University has outstanding bonds and certificates of participation that have variable interest rates. These interest rates are tied to various indexes which reset on a weekly basis. Subsequent to year-end, the interest rates on these variable rate bonds and certificates of participation fluctuated upward due to volatile market conditions. After September 2008, except for Certificates of Participation Series 2007 C and D, these fluctuations in interest rates have trended downward to rates similar to those disclosed at June 30, 2008. The interest that was paid, after year-end and prior to issuance of this report, due to these fluctuations did not have a material impact on the overall financial position of the University.

On August 22, 2008, the University received a letter from the Office of Inspector General relating to the audit by the Illinois Department of Healthcare and Family Services mentioned in Note 13. The letter stated the overpayment owed by the University was reduced to approximately \$5 million dollars.

During fiscal year 2008, financial markets as a whole have incurred declines in values. Subsequent to fiscal year end, the University's investment portfolio has also incurred a decline in the values reported in the accompanying financial statements. However, because the values of individual investments fluctuate with market conditions, the amount of investment losses that the University will recognize in its future financial statements, if any, cannot be determined.

This information is an integral part of the accompanying financial statements.

**ATTACHMENT H - Broadband Subscriber Estimates**

**Instructions:** Using the table below, please estimate the number of subscribers for each distinct type of service offering on a quarterly basis over the five year forecast period. Combine all service pricing tiers of broadband data services into a single service offering. The subscriber projections must be described separately by the type of services offered, and by type of entity (households, businesses, "strategic institutions" i.e., critical community facilities, community anchor institutions, and public safety entities) to which services are offered. For last mile subscribers, please also provide, on a separate sheet, your estimated take rate (the percentage of total customers passed who will subscribe to your service), along with a brief description of the methodology used to forecast these subscribers/take rates. Middle mile applicants should indicate their subscriber forecasts in terms of the entities served via the last mile service providers, community anchor institutions, or public safety entities that are connected to their middle mile network. Middle mile applicants should also provide a reasoned basis for these subscriber forecasts (e.g., agreements in principle with existing or planned last mile service providers, market studies, etc).

Household Subscribers	YEAR 0	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
<i>Service Type #1</i>																					
Net add-ons																					
Cumulative subscribers																					
<i>Service Type #2</i>																					
Net add-ons																					
Cumulative subscribers																					
<i>Service Type #3</i>																					
Net add-ons																					
Cumulative subscribers																					

Business Customers	YEAR 0	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
<i>Service Type #1</i>																					
Net add-ons																					
Cumulative subscribers																					
<i>Service Type #2</i>																					
Net add-ons																					
Cumulative subscribers																					
<i>Service Type #3</i>																					
Net add-ons																					
Cumulative subscribers																					

Strategic Institution	YEAR 0	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
<i>Service Type #1</i>																					
Net add-ons																					
Cumulative subscribers																					
<i>Service Type #2</i>																					
Net add-ons																					
Cumulative subscribers																					
<i>Service Type #3</i>																					
Net add-ons																					
Cumulative subscribers																					

We are predicting that roughly 54% of the households that are passed by the UC2B pilot FTTH system will subscribe to the UC2B Community Network Service (UC2B CNS). Having done the door-to-door research to determine if these neighborhoods qualify as underserved, we know that slightly fewer than 40% of the households already have some form of broadband access.

From looking at the local competitive offerings, we know that the UC2B CNS will be faster and less expensive than anything else available in the market, so we believe there is a good chance converting upwards of 75% of the existing broadband subscribers in these neighborhoods to Big Broadband. That alone would give UC2B a just under a 30% market share.

Of the remaining 61% that did not have broadband at the time of the survey, we believe that we can sign up roughly 41% of that group. Big Broadband will be a social movement in this community. The Ministerial Alliance has discussed having a Big Broadband Sunday in the spring, where each of the ministers will devote some of his or her sermon to promoting Big Broadband. The UC2B Sustainable Broadband Adoption proposal will have field workers called "cybernavigators" working in these neighborhoods and promoting Big Broadband adoption.

Installing fiber to the curb in these low-income underserved neighborhoods will be a very visible event. Every resident will know what is going on, and information on signing up for UC2B service will be readily available. Every property owner will be solicited for an easement to build from the curb to the premise, so again awareness of this project should be very high.

We are proposing that all installation costs in low-income households be paid for by the BTOP grant, so barrier to entry will be very low. We are working with the University and the State of Illinois to streamline a process for recycling surplus University and State-owned computers into low-income homes. From our survey, we know that more than 60% of all homes in our proposed funded last mile service areas have at least one working computer. Getting most of those people to subscribe to Big Broadband is a reasonable goal.

After the BTOP grant has run out, we are looking to expand the areas of UC2B Last Mile FTTH coverage, but other ISP's may beat us to the punch in some areas of town. The UC2B Middle Mile fiber rings will create the possibility for any ISP to get significant bandwidth very close to its potential customers. On average there will be interconnection points every 800 feet on the UC2B Middle Mile rings. While that facilitates future UC2B FTTH build outs, it also presents hundreds of places for local ISP's to attach their customers and their networks.



# Income Statement



	Historical		Forecast Period				
			Year 1 - 2010	Year 2 - 2011	Year 3 - 2012	Year 4 - 2014	Year 5 - 2015
<b>Revenues</b>							
Network Services Revenues:							
Local Voice Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Broadband Data	\$ -	\$ -	\$ 28,726	\$ 536,590	\$ 1,047,176	\$ 1,359,333	\$ 1,629,468
Video Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Access Service Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Universal Service Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Toll Service/Long Distance Voice	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installation Revenues	\$ -	\$ -	\$ 61,000	\$ 302,250	\$ 1,480,500	\$ 1,323,750	\$ 1,413,750
Other Operating Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Revenues - IRU Maintenance	\$ -	\$ -	\$ 72,500	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000
Uncollectible Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenues</b>	NA	NA	\$ 162,226	\$ 983,840	\$ 2,672,676	\$ 2,828,083	\$ 3,188,218
<b>Expenses</b>							
Backhaul	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Maintenance/Monitoring	\$ -	\$ -	\$ 241,399	\$ 326,544	\$ 476,634	\$ 655,887	\$ 848,831
Utilities	\$ -	\$ -	\$ 5,000	\$ 15,000	\$ 20,000	\$ 25,000	\$ 30,000
Leasing	\$ -	\$ -	\$ 6,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000
Sales/Marketing	\$ -	\$ -	\$ 8,111	\$ 49,192	\$ 133,634	\$ 141,404	\$ 159,411
Customer Care	\$ -	\$ -	\$ 8,111	\$ 49,192	\$ 133,634	\$ 141,404	\$ 159,411
Billing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Corporate G&A	\$ -	\$ -	\$ 7,867	\$ 41,875	\$ 92,911	\$ 97,955	\$ 109,153
PCC & SBA Programs	\$ -	\$ -	\$ 10,912	\$ 175,127	\$ 311,930	\$ 360,791	\$ 403,559
Bad Debt	\$ -	\$ -	\$ 3,245	\$ 19,677	\$ 53,454	\$ 56,562	\$ 63,764
<b>Total</b>	\$ -	\$ -	\$ 290,645	\$ 700,607	\$ 1,246,197	\$ 1,503,003	\$ 1,798,129
<b>EBITDA</b>	\$ -	\$ -	\$ (128,419)	\$ 283,233	\$ 1,426,479	\$ 1,325,080	\$ 1,390,089
Depreciation	\$ -	\$ -	\$ -	\$ -	\$ 254,243	\$ 503,541	\$ 776,466
Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Earnings Before Interest and Taxes</b>	\$ -	\$ -	\$ (128,419)	\$ 283,233	\$ 1,172,236	\$ 821,539	\$ 613,623
Interest Income	\$ -	\$ -	\$ -	\$ -	\$ (2,190)	\$ (1,101)	\$ (4,468)
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ 8,461	\$ 127,819	\$ 268,034
Interest Expense - Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Income Before Taxes</b>	\$ -	\$ -	\$ (128,419)	\$ 283,233	\$ 1,165,965	\$ 694,821	\$ 350,057
Property Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Income Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Income</b>	\$ -	\$ -	\$ (128,419)	\$ 283,233	\$ 1,165,965	\$ 694,821	\$ 350,057

# Balance Sheet



Assets	Historical		Forecast Period				
			Year 1 - 2010	Year 2 - 2011	Year 3 - 2012	Year 4 - 2103	Year 5 - 2014
<b>Current Assets</b>							
Cash	\$	-	\$ (141,011)	\$ 218,959	\$ 110,140	\$ 446,843	\$ 312,160
Marketable Securities	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Accounts Receivable	\$	-	\$ 13,519	\$ 81,987	\$ 222,723	\$ 235,674	\$ 265,685
Notes Receivable	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Inventory	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Prepayments	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Other Current Assets	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Current Assets</b>	\$	-	\$ (127,492)	\$ 300,946	\$ 332,863	\$ 682,517	\$ 577,845
<b>Non-Current Assets</b>							
Long-Term Investments	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Amortizable Asset (Net of Amortization)	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Plant in Service	\$	-	\$ -	\$ -	\$ 3,414,308	\$ 6,749,213	\$ 10,401,728
Less: Accumulated Depreciation	\$	-	\$ -	\$ -	\$ (254,243)	\$ (757,784)	\$ (1,534,250)
<b>Net Plant</b>	\$	-	\$ -	\$ -	\$ 3,160,065	\$ 5,991,429	\$ 8,867,478
Other	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Non-Current Assets</b>	\$	-	\$ -	\$ -	\$ 3,160,065	\$ 5,991,429	\$ 8,867,478
<b>Total Assets</b>	\$	-	\$ (127,492)	\$ 300,946	\$ 3,492,928	\$ 6,673,946	\$ 9,445,323
<b>Liabilities and Owners' Equity</b>							
<b>Liabilities</b>							
<b>Current Liabilities</b>							
Accounts Payable	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Notes Payable	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Current Portion - Total RUS Debt	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Accrued Expenses	\$	-	\$ 926	\$ 5,129	\$ 33,384	\$ 54,838	\$ 79,115
Other Current Liabilities	\$	-	\$ -	\$ -	\$ 8,461	\$ 136,279	\$ 395,853
<b>Total Current Liabilities</b>	\$	-	\$ 926	\$ 5,129	\$ 41,845	\$ 191,117	\$ 474,968
<b>Long-Term Liabilities</b>							
Existing RUS Debt	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Proposed RUS Debt	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Non-RUS Debt	\$	-	\$ -	\$ 141,011	\$ 2,130,313	\$ 4,467,237	\$ 6,604,707
<b>Total Long-Term Liabilities</b>	\$	-	\$ -	\$ 141,011	\$ 2,130,313	\$ 4,467,237	\$ 6,604,707
<b>Total Liabilities</b>	\$	-	\$ 926	\$ 146,140	\$ 2,172,158	\$ 4,658,354	\$ 7,079,675
<b>Owner's Equity</b>							
Capital Stock	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Paid-In Capital	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Patronage Capital Credits	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
Owner Equity	\$	-	\$ (128,419)	\$ 154,805	\$ 1,320,770	\$ 2,015,591	\$ 2,365,647
<b>Total Equity</b>	\$	-	\$ (128,419)	\$ 154,805	\$ 1,320,770	\$ 2,015,591	\$ 2,365,647
<b>Total Liabilities and Owner's Equity</b>	\$	-	\$ (127,493)	\$ 300,945	\$ 3,492,928	\$ 6,673,945	\$ 9,445,322

# Statement of Cash Flows



	Historical		Forecast Period				
			Year 1 - 2010	Year 2 - 2011	Year 3 - 2012	Year 4 - 2014	Year 5 - 2015
<b>Beginning Cash</b>	NA	NA	\$ -	\$ (141,011)	\$ 218,958	\$ 110,140	\$ 446,843
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>							
Net Income	-	-	(128,418)	283,223	1,165,965	694,821	350,057
<i>Adjustments to Reconcile Net Income to Net Cash Provided by Operating Activities</i>							
Add: Depreciation	-	-	-	-	254,243	503,541	776,466
Add: Amortization	-	-	-	-	-	-	-
<i>Changes in Current Assets and Liabilities:</i>							
Marketable Securities	-	-	-	-	-	-	-
Accounts Receivable	-	-	(13,519)	(68,468)	(140,736)	(12,951)	(30,011)
Inventory	-	-	-	-	-	-	-
Prepayments	-	-	-	-	-	-	-
Other Current Assets	-	-	-	-	-	-	-
Accounts Payable	-	-	926	4,203	28,255	21,454	24,277
Other Current Liabilities	-	-	-	-	8,461	127,819	259,574
<b>Net Cash Provided (Used) by Operations</b>	\$ -	\$ -	\$ (141,011)	\$ 218,958	\$ 1,316,188	\$ 1,334,684	\$ 1,380,363
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>							
Notes Receivable	-	-	-	-	-	-	-
Notes Payable	-	-	-	-	-	-	-
Principal Payments	-	-	-	-	-	-	-
New Borrowing	-	-	-	141,011	1,989,302	2,336,924	2,137,469
Additional Paid-in Capital	-	-	-	-	-	-	-
Additions to Patronage Capital Credits	-	-	-	-	-	-	-
Payment of Dividends	-	-	-	-	-	-	-
<b>Net Cash Provided by Financing Activities</b>	\$ -	\$ -	\$ -	\$ 141,011	\$ 1,989,302	\$ 2,336,924	\$ 2,137,469
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>							
Capital Expenditures	-	-	-	-	3,414,308	3,334,905	3,652,515
Amortizable Asset (Net of Amortization)	-	-	-	-	-	-	-
Long-Term Investments	-	-	-	-	-	-	-
<b>Net Cash Used by Investing Activities</b>	\$ -	\$ -	\$ -	\$ -	\$ 3,414,308	\$ 3,334,905	\$ 3,652,515
<b>Net Increase (Decrease) in Cash</b>		\$ -	\$ (141,011)	\$ 359,969	\$ (108,818)	\$ 336,703	\$ (134,683)
<b>Ending Cash</b>	NA	NA	\$ (141,011)	\$ 218,958	\$ 110,140	\$ 446,843	\$ 312,160

**Question 50 - Business Plan Assumptions**



Assumption	Value	What it Means	Why it is reasonable
Project Start Date	2010	Operations start 45 days after notice of funding by NTIA	It will take a while to get the paperwork finalized and it is easier to track on a calendar year basis rather than Nov 7th through Nov 6th.
Borrowing required in 2011	\$141,011	Only 3 months of actual operations in 2010	It will take 9 months to do the detailed engineering and the construction necessary to be able to turn up the first customers.
Borrowing required in 2012	\$2,000,000	The ARRA grant funded construction will be finished by October of 2011	This allows for the steady continued addition of last-mile service areas
Borrowing required in 2013	\$2,500,000	More borrowing to fund expansion	This allows for the steady continued addition of last-mile service areas
Borrowing required in 2014	\$2,500,000	More borrowing to fund expansion	This allows for the steady continued addition of last-mile service areas
Cost of capital	6.00%	UC2B will need to borrow money to expand	This is probably a conservative rate, given that the partners in UC2B have a variety of long-term bonding options available to them.
Amortization of borrowed funds	10 years	Municipalities qualify for long-term financing	This is a 20-year project, so a 10-year loan is reasonable.
Inflation Factor	3.00%	- General price increase (decrease) - proxy for CPI	Reflects current economic conditions
Wage Inflation	3.00%	- for specific jobs and wages (HEADCOUNT section below)	Reflects current economic conditions
Labor Overhead	30.00%	- assumed load for labor (insurance, FICA, taxes, etc)	Reflects current economic conditions
Bad Debt	2.00%	- percent of total revenue	Reflects current economic conditions

Depreciation Life		Years	
FTTP	20	- fiber set equal to useful life	Typical industry numbers
Buildings	30	- all else set equal to useful life, with replacement	Typical industry numbers
Inside Plant	5	made at end of useful life at the same cost	Typical industry numbers
Electronics	5	as the original cost.	Typical industry numbers
New Sites	20		Typical industry numbers
Vehicles	5		Typical industry numbers
Network Mgt Gear	5		Typical industry numbers
Office 2	5		Typical industry numbers
Misc. Other	5		Typical industry numbers
<b>Salvage Value</b>	10%	- of cost (residual value)	Typical industry numbers

Soft Costs	% of Total Cap-ex	
Engineering	2.00%	Typical industry numbers for the size of the contemplated project
OSP const. Mgt	1.00%	Typical industry numbers for the size of the contemplated project
Start-up	2.00%	Typical industry numbers for the size of the contemplated project
Other	1.00%	Typical industry numbers for the size of the contemplated project
Project Mgt Fee	5.00%	Typical industry numbers for the size of the contemplated project
Training	1.00%	Typical industry numbers for the size of the contemplated project

Amortization Life		Years	
Engineering	20	- set equal to life of the project	Typical industry numbers
OSP const. Mgt	10		Typical industry numbers
Start-up	5	- arbitrary amortization term	Typical industry numbers
Other	5		Typical industry numbers
Project Mgt Fee	20	- set equal to life of the project	Typical industry numbers
Training	5		Typical industry numbers
Salvage Value - Amort	10%	- % of cost	nominal value, typical for electronics at end of useful life

**Operating Cost Assumptions**

Network Maintenance			
Backbone Network	\$1,500	- per route mile per year	covers all maintenance, locates, repairs; typical for urban area
Cost to install a new FTTH or VLAN customer	\$1,500	Includes fiber from curb, electronics on both ends and inside wiring.	typical industry number

UNIVERSITY OF ILLINOIS  
AT URBANA - CHAMPAIGN

Office of the Provost and Vice Chancellor  
for Academic Affairs

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



August 10, 2009

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

Dear Sir/Madam;

I am writing in regard to the University of Illinois at Urbana-Champaign's involvement in the Urbana-Champaign Big Broadband Consortium. While this critical infrastructure project will provide a great benefit to the campus and local community, it would have been impossible for the university to pursue this project without federal support. During four of the last five years, the Urbana-Champaign campus fully expended its unrestricted operating funds. As the campus budget officer, I certify that without federal grant assistance, it would be impossible for the campus to implement this project.

Please let me know if you require additional information.

Cordially,

A handwritten signature in cursive script that reads "Michael Andrechak".

Michael Andrechak  
Associate Provost for Budgets  
and Resource Planning

Certification Requirements for BTOP

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**U.S. Department of Commerce**  
**Broadband Technology Opportunities Program**

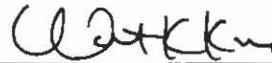
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I certify that I am the duly authorized representative of the applicant organization, and that I have been authorized to submit the attached application on its behalf. A copy of the applicant organization's authorization for me to submit this application as its official representative is on file in the applicant's office, and I am identified as the applicant organization's Authorized Organization Representative (AOR) in the Central Contractor Registration database. By signing this certification, I certify that the statements contained in the application are true, complete, and accurate to the best of my knowledge, and that if an award is made, the applicant organization will comply with all applicable award terms and conditions.

08/19/2009

(Date)



(Authorized Representative's Signature)

Walter K. Knorr

Name:

Comptroller

Title:

**Broadband Infrastructure Application  
Submission to RUS (BIP) and NTIA (BTOP)**

**Certification Requirements BTOP**

**U.S. Department of Commerce  
Broadband Technology Opportunities Program**

(i) I certify that I am authorized to submit this grant application on behalf of the eligible entity(ies) listed on this application, that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. § 1001 and civil violations of the False Claims Act.

(ii) I certify that the entity(ies) I represent have and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

(iii) If requesting BTOP funding, I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the DOC Pre-Award Notification, published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); DOC American Recovery and Reinvestment Act Award Terms (April 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award."

08-10-2009

(Date)



(Authorized Representative's Signature)

Walter K. Knorr

Name:

Comptroller

Title:



## ASSURANCES - CONSTRUCTION PROGRAMS

OMB Approval No. 4040-0009  
Expiration Date 07/30/2010

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.


**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-1 33, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

*SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	*TITLE Comptroller	
*APPLICANT ORGANIZATION Board of Trustees of the Univ. of Illinois	*DATE SUBMITTED 08-10-2009	



**CERTIFICATION REGARDING LOBBYING**

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

**LOBBYING**

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

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

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

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

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


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

**Statement for Loan Guarantees and Loan Insurance**

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

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

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

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
Board of Trustees of the University of Illinois	UC2B-Infrastructure
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Walter K. Knorr, Comptroller	
SIGNATURE	DATE
	August 10, 2009

**DISCLOSURE OF LOBBYING ACTIVITIES**

Approved by OMB  
0348-0046

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure.)

<b>1. Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	<b>2. Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award c. post-award	<b>3. Report Type:</b> <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____	
<b>4. Name and Address of Reporting Entity:</b> <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: The Board of Trustees of the University of Illinois 1901 S. First Street, Ste. A Champaign, IL 61820-7406  <b>Congressional District, if known:</b> IL-015		<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b>   <b>Congressional District, if known:</b>	
<b>6. Federal Department/Agency:</b> NTIA	<b>7. Federal Program Name/Description:</b> Broadband Technology Opportunities Program  <b>CFDA Number, if applicable:</b> 11.557		
<b>8. Federal Action Number, if known:</b>	<b>9. Award Amount, if known:</b> \$ 24,347,851.00		
<b>10. a. Name and Address of Lobbying Registrant</b> <i>(if individual, last name, first name, MI):</i> N/A	<b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i> <i>(last name, first name, MI):</i> N/A		
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	<b>Signature:</b> <u>Walter K. Knorr</u> <b>Print Name:</b> <u>Walter K. Knorr</u> <b>Title:</b> <u>Comptroller</u> <b>Telephone No.:</b> <u>(217) 333-2187</u> <b>Date:</b> <u>8/13/2009</u>		
<b>Federal Use Only:</b>		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)	

## INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
  
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.



## CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

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

### LOBBYING

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

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

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

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

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

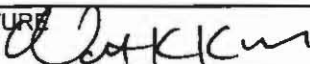
### Statement for Loan Guarantees and Loan Insurance

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

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

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

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

NAME OF APPLICANT Board of Trustees of the University of Illinois	AWARD NUMBER AND/OR PROJECT NAME UC2B
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE Walter K. Knorr, Comptroller	
SIGNATURE 	DATE 08/19/2009





The logo for UC2B is contained within a blue rectangular border. At the top, the letters "UC2B" are written in a large, blue, sans-serif font. Below the text is a stylized orange graphic consisting of a large rectangle with a smaller rectangle inside it, and three horizontal lines connecting the inner rectangle to the outer one, resembling a ladder or a simplified building structure.

UC2B

Urbana-Champaign  
Big Broadband  
Above Ground Applications  
Combined Attachments

The logo for UC2B is contained within a blue rectangular border. It features the text "UC2B" in a blue, rounded, sans-serif font at the top. Below the text is a stylized orange graphic consisting of a large rectangle with a smaller rectangle inside it, which is further divided into three horizontal sections by two lines, resembling a ladder or a simplified building structure.

UC2B

Urbana-Champaign  
Big Broadband -  
Above Ground

Team Resumes

**John M. Unsworth**

**Professional Preparation:**

- University of Virginia: Ph.D. in English, 1988
- Boston University: M.A. in English, 1982
- Amherst College: B.A. Magna Cum Laude in English, 1981

**Appointments:**

- Dean and Professor, Graduate School of Library and Information Science (also Professor, Department of English and Professor, Library Faculty), University of Illinois at Urbana-Champaign, 2003-present
- Director, Illinois Informatics Institute, 2008-present
- Associate Professor, Dept. of English, University of Virginia, 1993-2003 (tenured 1996)
- Director, Institute for Advanced Technology in the Humanities, University of Virginia, 1993-2003
- Assistant Professor, Dept. of English, North Carolina State University, 1989-1993

**Projects & Publications:**

- Enhancing Knowledge Discovery for Humanities through the Software Environment for the Advancement of Scholarly Research (SEASR). Co-PI. <http://www.seasr.org/>. Funded by the Andrew W. Mellon Foundation.
- MONK: Metadata Offer New Knowledge. PI. <http://www.monkproject.org/>. Funded by the Andrew W. Mellon Foundation.
- Nora: text-mining in humanities digital libraries. PI. <http://www.noraproject.org/>. Funded by the Andrew W. Mellon Foundation.
- Our Cultural Commonwealth: The report of the American Council of Learned Societies Commission on Cyberinfrastructure for the Humanities and Social Sciences, John Unsworth (Commission Chair), with commission members and Marlo Welshons (editor). ACLS: New York, 2006.
- Electronic Textual Editing, co-edited with Lou Burnard and Katherine O'Brien O'Keefe. New York: Modern Language Association, 2006.
- A Companion to Digital Humanities, co-edited with Susan Schreibman and Ray Siemens. New York: Blackwells, 2004.

**Collaborators, Co-editors, Co-authors:**

- Loretta Auvil, National Center for Supercomputing Applications
- Charles Henry, Council on Library and Information Resources
- Jerome McGann, University of Virginia
- Martin Mueller, Northwestern University
- Susan Schreibman, Digital Humanities Observatory, Dublin, Ireland
- Ray Siemens, University of Victoria-British Columbia
- Michael Welge, National Center for Supercomputing Applications

**Graduate and Postdoctoral Advisors:**

- Michael Levenson, University of Virginia
- Richard Rorty, Stanford University

**Doctoral Advisees:**

- Heekyung Choi, University of Illinois
- Julia Flanders, Brown University
- Matthew Kirschenbaum, University of Maryland-College Park
- Bei Yu, Syracuse University

**BIOGRAPHICAL SKETCH: SALLY A. JACKSON**

**A. Professional Preparation**

- |  |                      |             |
|--|----------------------|-------------|
| ▪ University of Illinois at Urbana-Champaign | Speech Communication | A.B., 1974  |
| ▪ University of Illinois at Urbana-Champaign | Speech Communication | A.M., 1976  |
| ▪ University of Illinois at Urbana-Champaign | Speech Communication | Ph.D., 1980 |

**B. Appointments**

- Current: Professor of Communication; Associate Provost and Chief Information Officer, University of Illinois at Urbana-Champaign.
- 2007 (Jan.-May): Senior Associate to the Provost, University of Arizona.
- 2003-2006: Vice President for Learning and Information Technologies, University of Arizona.
- 2000-2003: Vice Provost for Educational Technology, University of Arizona; Interim Vice Provost for Academic Affairs, Spring 2002.
- 1998-2000: Faculty Associate for Distributed Learning, University of Arizona.
- 1997-1998: Faculty Development Associate to the Provost, University of Arizona.
- 1996-1997: Professor and Acting Head, Dept. of Communication, University of Arizona.
- 1991-1996: Associate Professor of Communication, University of Arizona.
- 1989-1990: Research Fellow, Netherlands Institute for Advanced Study in the Humanities and Social Sciences.
- 1988-1990: Associate Professor of Communication, University of Oklahoma.
- 1985-1988: Assistant Professor of Communication, University of Oklahoma.
- 1982-1985: Assistant Professor of Communication, Michigan State University.
- 1979-1982: Assistant Professor of Speech Communication, University of Nebraska-Lincoln.

**C. Select Publications**

1. Aakhus, M., & Jackson, S. (2005). Technology, design, and interaction. In K. Fitch & R. E. Sanders (Eds.), *Handbook of language and social interaction* (pp. 411-436). Mahwah, NJ: Erlbaum.
2. Brown, D. G., & Jackson, S. (2001). Creating a context for consensus. In C. Barone & P. Hagner (Eds.), *Technology enhanced teaching and learning: Leading and supporting the transformation on your campus* (pp. 13-24). San Francisco: Jossey-Bass. Reprinted as book excerpt in *Educause Review*, 36 (2001), 48-57.
3. Jackson, S. A., & Madison, C. (1999). Instruction by design: Technology in the discourse of teaching and learning. In A. L. Vangelisti, J. A. Daly, & G. W. Friedrich (Eds.), *Teaching communication: Theory, research and methods*, 2nd ed. (pp. 393-408). Mahwah, NJ: Erlbaum.

**D. Synergistic Activities**

1. Member, Provost's Cabinet and Academic Council of Deans, UIUC
2. Member, I<sup>3</sup> Steering Committee.
3. Campus Chief Information Officer, cognizant official for the campus networking function that will oversee the below-ground components of UC2B.

**E. Collaborators & Other Significant Affiliates**

1. Collaborators: Mark Aakus (Rutgers University), Dale Brashers (University of Illinois-Urbana), David G. Brown (Wake Forest University), Frans H. van Eemeren (University of Amsterdam), Scott Jacobs (University of Illinois at Urbana-Champaign), Daniel J. O'Keefe (Northwestern University), Leslie Tolbert (University of Arizona), Beth Mitchneck (University of Arizona), LouAnn Gerken (University of Arizona).
2. Graduate Advisor: Ruth Anne Clark (University of Illinois-Urbana), Jesse G. Delia (University of Illinois-Urbana), Cheris Krameræe (University of Oregon, retired); Robert D. McPhee (Arizona State University).

## UC2B Above Ground Project Team Bios

### Director'UbX`A Ya VYf`cZ5 Vcj Y; fci bX`9I YW hj Y`7 ca a ]HYY: Gerald A. McWorter (Abdul Alkalimat)

Born in Chicago. Early career in Sociology and Black Studies at Fisk University, Spelman College, UCLA, Northeastern, and University of Illinois (Chicago and Urbana campuses). For 10 years ran a community technology center in Toledo, Ohio. Documented this experience in several authored and co-authored publications. For two years led the Ford-Foundation-funded National Digital Technology Initiative of the National Council for Black Studies. Researching the levels and forms of digital activity in marginalized communities, especially the African American community. Profiled in Barber's 2006 book, "The Black Digital Elite."

Education: PhD Sociology, University of Chicago

Current positions:

Professor, Graduate School of Library and Information Science and Department of African American Studies, <http://www.lis.illinois.edu/>

Editor, H-Afro-Am (largest listserv in the field of African American Studies), <http://www.h-net.org/~afro-am/>

Editor, eBlack Studies (website on the field of Black Studies), <http://www.eblackstudies.org/>

Selected Publications:

Introduction to Afro-American Studies: A People's College Primer, <http://eblackstudies.org/intro/>

African American Experience in Cyberspace, <http://www.amazon.com/African-American-Experience-Cyberspace-Resource/dp/0745322220>

Information Technology and the Black Studies (Consultant's Report to the Ford Foundation), <http://eblackstudies.org/workshop/fordreport.pdf>

Cyberorganizing, <http://eblackstudies.org/grbk/>

### **Administrative Assistant: Amani Ayad**

Amani Ayad is visiting program coordinator for the LIS Access Midwest Program (LAMP) at the University of Illinois Graduate School of Library and Information Science. Previously worked as the diversity consultant for Lincoln Trail Libraries System in Champaign, IL, and as career educator for the Urbana Adult Education Center in

Urbana, IL. On the international level, worked at the Kuwait Institute for Scientific Research, Kuwait, and the University of Cairo, Egypt. Earned a bachelor's degree in English language and literature from Cairo University and a master's degree in human resource education from the University of Illinois at Urbana-Champaign.

### **Partnership Director: Imani Bazzell**

Imani Bazzell is the founder and Director of SisterNet, a Black Women's health network committed to the intellectual, emotional, physical and spiritual education, development, and civic engagement of local Black women. In positions of public engagement and social justice, has worked for the Urban League (2004-2008), Parkland College (1996-2004), Champaign County Health Care Consumers (1993-1996), YWCA (1987-1993), and University of Illinois (1984-1987). Multiple awards: University of Illinois Woman of the Year Award, NAACP Excellence in Educational Equity Award, and National YWCA Racial Justice Award.

### **Information Technology Director: Rahul Thadani**

Rahul Thadani has degrees in electrical engineering from University of Pune (India) and The University of Toledo, and is an MBA candidate at the University of Alabama where he is currently Lead Systems Analyst. With over eight years of experience in information technology, has worked through the life cycle of many projects covering multiple uses of computing activities. Strong analytical abilities coupled with soft skills to manage people and projects.

Skill set: ORACLE ERP Applications (HR, Payroll, LD, Effort Reporting, Accounts Payable, Grants, GL, Purchasing, Self Service, Workflow), technology tools (Forms 6.0/6i, Reports 6.0/6i, Workflow Oracle 8.0/8i/9i, MS SQL 7.0/2000, PL/SQL, C, C++, Java, Pascal, ASP, JSP, ColdFusion, BC4J, VBScript, JavaScript, HTML, XML, CSS, XSL, XSLT, PSP) and methodologies (PMI PMBOK, Oracle AIM).

### **Education Director: Brian Bell**

After 4 years at Southern Illinois University in law enforcement and security management Brian Bell has worked in the private security field with a specialization in information technology. For the past three years, project coordinator and part time faculty at Parkland Community College, Champaign, IL. Specializing in computer literacy as coordinator of an NSF grant at Parkland. Operates the Illinois WorkNet Center at Parkland College for service to the unemployed. Has taught multiple sections of Operating systems/Basic PC Maintenance, and assisted in teaching Advanced PC Maintenance and Introduction to Networking, all in the Computer Science and Information Technology Department. Worked at Don Moyers Boys and Girls Club developing and teaching a curriculum for youth 8 to 18, at Crossroads Community Church developing computer curriculum at the middle school level, and Urban League of Champaign-Urbana where he set up and coordinated a community technology center.

## **Digital/Cultural Production Director: Brian Zelip**

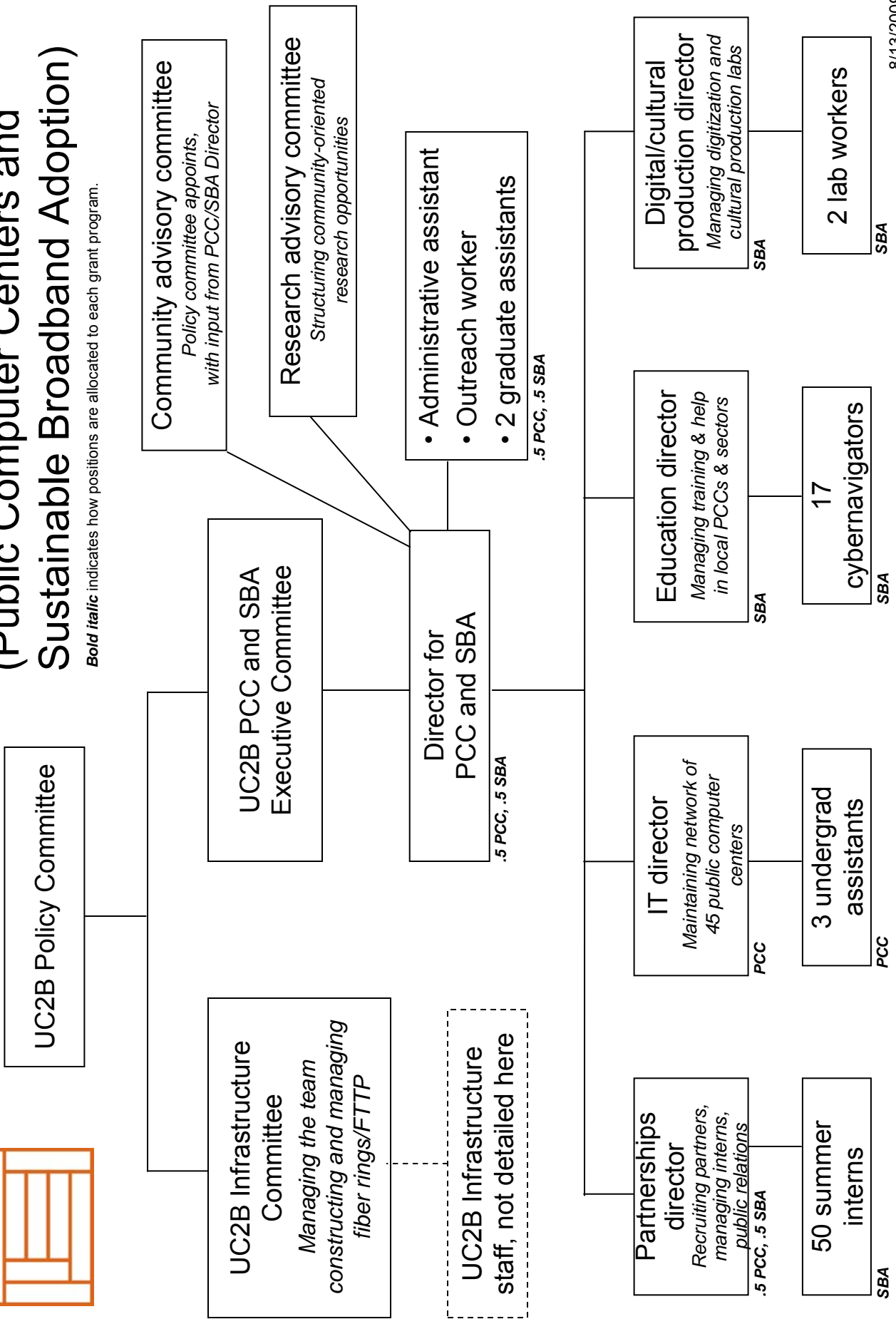
Brian Zelip earned two degrees from the University of Toledo: BA in communications with a focus on broadcasting and digital publications and MA in African American Studies, with a focus on using information technology within cultural institutions and cultural practices to address poverty. As a Vista volunteer, worked as teacher's aide at Martin Luther King Elementary School, Toledo, OH. From 2001 to 2005, program director of the Murchison Community Technology Center. Since 2005, supervisor of the green culture program Toledo Grows. Active in radio, media, and music CD/DVD production, including award-winning rap CD "Reboot" themed on information technology from the neighborhood perspective.





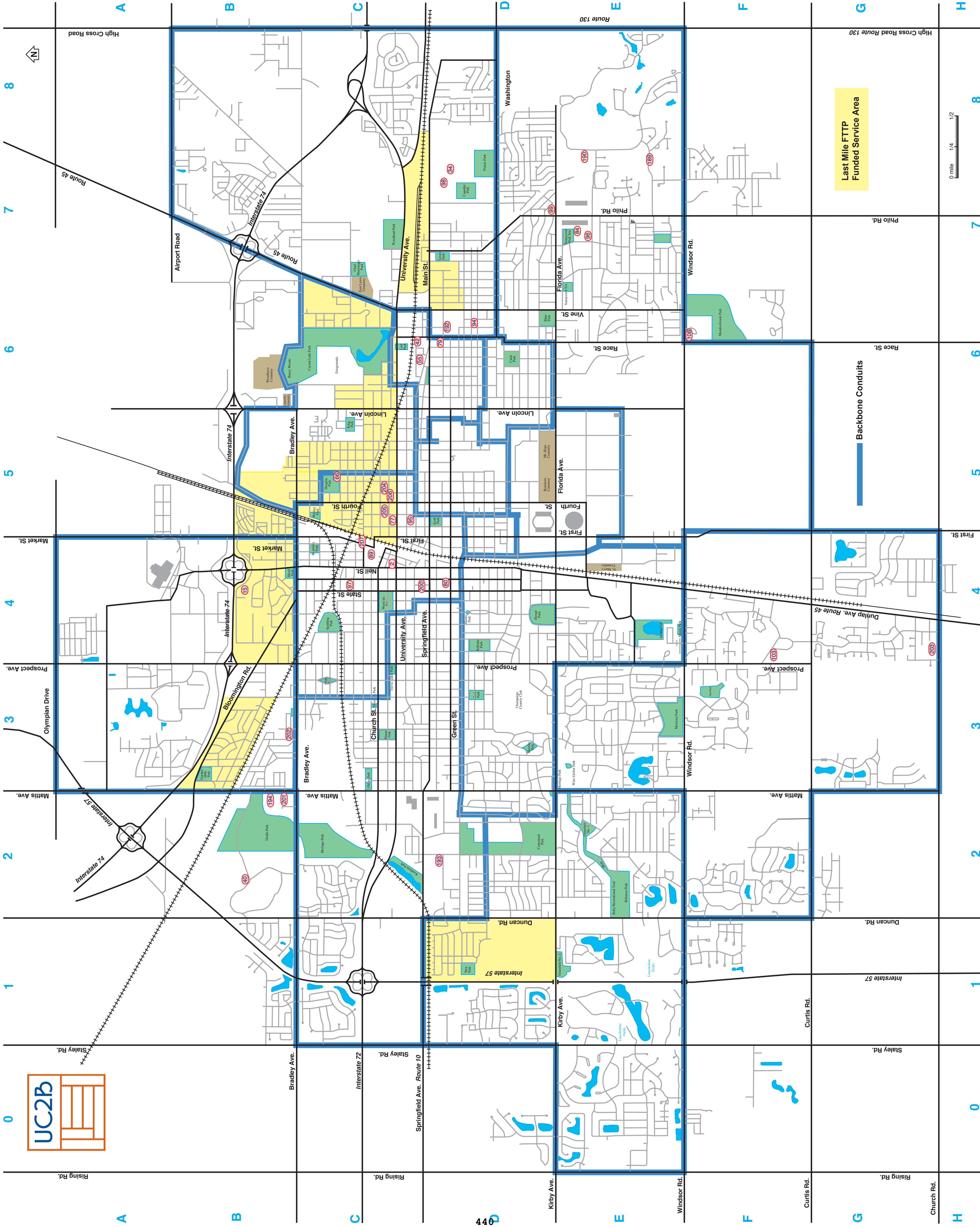
# UC2B Above Ground org chart (Public Computer Centers and Sustainable Broadband Adoption)

*Bold italic* indicates how positions are allocated to each grant program.



TIMELINE for UC2B Public Computer Center and Sustainable Broadband Adoption		Year one				Year two				Year three			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Hiring 29 non-summer-intern staff	✓											
2	Training of cybernavigators	✓											
3	Mad Lab and branch library renovation	✓	✓										
4	Outreach to attract users to Mad Lab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	Broadband three-course sequence underway	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	IT support to 45 centers		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	Cybernavigators working across city		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	Opening hub center		✓										
9	Production underway at Mad Lab		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	Orientation/training of/with 45 centers		✓				✓						
11	Bringing 45 centers up to technology standard				✓								
12	Broadband summer internships			✓					✓				✓
13	UC2B fiber to 45 centers				✓				✓				
14	UC2B handbook published				✓								
15	Broadband entrepreneurship competition				✓						✓		✓
16	UC2B annual community conference				✓						✓		✓

Note: Q1 Jan-Mar, Q2 Apr-Jun, Q3 Jul-Sep, Q4 Oct-Dec.



BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 4040-0006  
Expiration Date 04/30/2008

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. UC2B - Public Computing Centers		\$ 992,173.00	\$ 263,395.00	\$	\$	\$ 1,255,568.00
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$ 992,173.00	\$ 263,395.00	\$ 0.00	\$ 0.00	\$ 1,255,568.00

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5) UC2B - Public Computing Centers
	(1)	(2)	(3)	(4)	
	UC2B - Public Computing Centers				
a. Personnel	\$ 647,389.00	\$	\$	\$	\$ 647,389.00
b. Fringe Benefits	155,478.00				155,478.00
c. Travel	5,400.00				5,400.00
d. Equipment					0.00
e. Supplies	69,244.00				69,244.00
f. Contractual	0.00				0.00
g. Construction					0.00
h. Other	179,529.00				179,529.00
i. Total Direct Charges (sum of 6a-6h)	1,057,040.00	0.00	0.00	0.00	\$ 1,057,040.00
j. Indirect Charges	198,529.00				\$ 198,529.00
k. TOTALS (sum of 6i and 6j)	\$ 1,255,569.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1,255,569.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. <input type="text" value="UC2B - Public Computing Centers"/>	\$ 105,358.00	\$	\$ 158,037.00	\$ 263,395.00	
9. <input type="text"/>				0.00	
10. <input type="text"/>				0.00	
11. <input type="text"/>				0.00	
12. TOTAL (sum of lines 8-11)	\$ 105,358.00	\$ 0.00	\$ 158,037.00	\$ 263,395.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 320,288.00	\$ 80,072.00	\$ 80,072.00	\$ 80,072.00	\$ 80,072.00
14. Non-Federal	\$ 101,226.00	25,306.00	25,306.00	25,307.00	25,307.00
15. TOTAL (sum of lines 13 and 14)	\$ 421,514.00	\$ 105,378.00	\$ 105,378.00	\$ 105,379.00	\$ 105,379.00
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. <input type="text" value="UC2B - Public Computing Centers"/>	\$ 320,288.00	\$ 343,923.00	\$ 327,963.00	\$	
17. <input type="text"/>					
18. <input type="text"/>					
19. <input type="text"/>					
20. TOTAL (sum of lines 16 - 19)	\$ 320,288.00	\$ 343,923.00	\$ 327,963.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: <input type="text" value="793644"/>	22. Indirect Charges: <input type="text" value="198529"/>				
23. Remarks: <input type="text"/>					

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 4040-0006  
Expiration Date 04/30/2008

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. UC2B - Sustainable Broadband Adoption		\$ 2,957,827.00	\$ 786,605.00	\$	\$	\$ 3,744,432.00
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$ 2,957,827.00	\$ 786,605.00	\$ 0.00	\$ 0.00	\$ 3,744,432.00

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	UC2B - Sustainable Broadband Adoption				
a. Personnel	\$ 1,253,527.00	\$	\$	\$	\$ 1,253,527.00
b. Fringe Benefits	296,940.00				296,940.00
c. Travel	16,200.00				16,200.00
d. Equipment					0.00
e. Supplies	401,000.00				401,000.00
f. Contractual	0.00				0.00
g. Construction					0.00
h. Other	1,185,461.00				1,185,461.00
i. Total Direct Charges (sum of 6a-6h)	3,153,128.00	0.00	0.00	0.00	\$ 3,153,128.00
j. Indirect Charges	591,304.00				\$ 591,304.00
k. TOTALS (sum of 6i and 6j)	\$ 3,744,432.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 3,744,432.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. UC2B - Sustainable Broadband Adoption	\$ 314,642.00	\$	\$ 471,963.00	\$ 786,605.00	
9.				0.00	
10.				0.00	
11.				0.00	
12. TOTAL (sum of lines 8-11)	\$ 314,642.00	\$ 0.00	\$ 471,963.00	\$ 786,605.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 1,225,622.00	\$ 306,406.00	\$ 306,406.00	\$ 306,405.00	\$ 306,405.00
14. Non-Federal	\$ 333,586.00	83,396.00	83,396.00	83,397.00	83,397.00
15. TOTAL (sum of lines 13 and 14)	\$ 1,559,208.00	\$ 389,802.00	\$ 389,802.00	\$ 389,802.00	\$ 389,802.00
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. UC2B - Sustainable Broadband Adoption	\$ 125,622.00	\$ 859,778.00	\$ 872,427.00	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)	\$ 125,622.00	\$ 859,778.00	\$ 872,427.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:	2366523	22. Indirect Charges:	591304		
23. Remarks:					

Certification Requirements for BTOP

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**U.S. Department of Commerce  
Broadband Technology Opportunities Program**


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I certify that I am the duly authorized representative of the applicant organization, and that I have been authorized to submit the attached application on its behalf. A copy of the applicant organization's authorization for me to submit this application as its official representative is on file in the applicant's office, and I am identified as the applicant organization's Authorized Organization Representative (AOR) in the Central Contractor Registration database. By signing this certification, I certify that the statements contained in the application are true, complete, and accurate to the best of my knowledge, and that if an award is made, the applicant organization will comply with all applicable award terms and conditions.

08/19/2009

(Date)



(Authorized Representative's Signature)

Walter K. Knorr

Name:

Comptroller

Title:

## DOC Environmental Checklist / UC2B Above Ground (PCC and SBA)

**1. SECTION 1-** To be completed for those projects historically shown not to create significant environmental impacts to the human or natural environment. Any answer of “No” or “Not Applicable” may require additional documentation or review.

a. Is the proposed action solely a procurement action for materials intended to be installed, stored or operated in an existing building or structure?

Yes

No

Not Applicable

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

Yes

No

Not Applicable

c. Does the proposed action involve only minor interior renovations to a structure, facility, or installation?

Yes

No

Not Applicable

d. Is the proposed action solely for the production and/or distribution of informational materials, brochures, or newsletters?

Yes

No

Not Applicable

e. Does the proposed action consist solely of training, teaching, or meeting facilitation at an existing facility or structure?

Yes

No

Not Applicable

## CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

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

**LOBBYING**

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

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

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

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

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


**Statement for Loan Guarantees and Loan Insurance**

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

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

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

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

NAME OF APPLICANT Board of Trustees of the University of Illinois	AWARD NUMBER AND/OR PROJECT NAME UC2B
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE Walter K. Knorr, Comptroller	
SIGNATURE 	DATE August 10, 2009

## ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**


**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.



9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a -1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL  	* TITLE  Comptroller
* APPLICANT ORGANIZATION  Board of Trustees of Univ. of IL	* DATE SUBMITTED  8/13/09



UNIVERSITY OF ILLINOIS

Urbana-Champaign • Chicago • Springfield

Office of University Counsel  
258 Henry Administration Building  
506 South Wright Street  
Urbana, IL 61801

August 14, 2009

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

**Re: Urbana-Champaign Big Broadband Consortium NTIA BTOP Proposals/Legal Opinion**

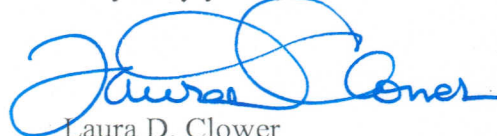
Dear Sir:

The Office of University Counsel acts as legal counsel for the Board of Trustees of the University of Illinois (the "Applicant.") In such capacity, I, as an Associate University Counsel, acted as counsel to the Applicant in connection with its ability to apply to the Broadband Technology Opportunities Program and in the review of the grant agreement, as referenced in the Notice of funds Availability.

The Office of University Counsel is of the opinion that:

- (a) The Applicant is duly organized and existing institution of higher learning constituted under the laws of the State of Illinois.
- (b) The Applicant has legal authority and power: (1) to execute and deliver the grant agreement; and (2) to perform all acts required to be done by it under said agreement.
- (c) No legal proceedings have been instituted or are pending against the Applicant, the outcome of which would adversely affect the Applicant's ability to perform the duties under the grant agreement, and there are no judgments against the Applicant which would adversely affect the Applicant's ability to perform the duties under the grant agreement.

Very truly yours,



Laura D. Clower  
Associate University Counsel

Urbana • (217) 333-0560 • Fax (217) 244-2370  
Chicago • 1737 West Polk, Suite 405, Chicago, IL 60612 • (312) 996-7762 • Fax (312) 996-6455  
Springfield • 578 PAC • One University Plaza • Springfield, IL 62703 • (217) 206-7796 • Fax (217) 206-6511

**CERTIFICATION REGARDING LOBBYING**

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

**LOBBYING**

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

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

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

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

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

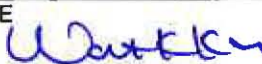
**As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.**

**Statement for Loan Guarantees and Loan Insurance**

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

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

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

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
Board of Trustees of the University of Illinois	UC2B
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Walter K. Knorr, Comptroller	
SIGNATURE	DATE
	August 10, 2009



**Broadband Technology Opportunities Program  
Federal Grant Application  
Public Computer Centers Program (Track 2)**

**I. Compliance and Certification**

(iii) I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009), the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.

(iv) If requesting BTOP funding, I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement or received a waiver.

Signature of authorized person Walter K. Knorr Date 08-10-2009

Print name of authorized person Walter K. Knorr

Title or position Comptroller

**Other Federal Forms and Certification Requirements**

- 1.) SF-424A, Budget Information Non-Construction Programs
- 2.) SF-42413, Assurances Non-Construction Programs
- 3.) SF-424C, Budget Information-Construction Programs
- 4.) SF-424D Assurances Construction Programs
- 5.) CD-346, Applicant for Funding Assistance
- 6.) CD-511, Certification Regarding Lobbying
- 7.) CD-512, Certification Regarding Lobbying Lower-Tier Covered Transactions
- 8.) SF-LLL, Disclosure of Lobbying Activities
- 9.) Legal Opinion

**DISCLOSURE OF LOBBYING ACTIVITIES**

Approved by OMB  
0348-0046

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352  
(See reverse for public burden disclosure.)

<b>1. Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	<b>2. Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award c. post-award	<b>3. Report Type:</b> <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____
<b>4. Name and Address of Reporting Entity:</b> <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: The Board of Trustees of the University of Illinois 1901 S. First Street, Ste. A Champaign, IL 61820-7406  Congressional District, if known: IL-015	<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b>   Congressional District, if known:	
<b>6. Federal Department/Agency:</b> NTIA	<b>7. Federal Program Name/Description:</b> Broadband Technology Opportunities Program  CFDA Number, if applicable: 11.557	
<b>8. Federal Action Number, if known:</b>	<b>9. Award Amount, if known:</b> \$ 992,173.00	
<b>10. a. Name and Address of Lobbying Registrant</b> <i>(if individual, last name, first name, MI):</i> N/A	<b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i> <i>(last name, first name, MI):</i> N/A	
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature: <u>Walter K. Klopp</u> Print Name: <u>Walter K. Klopp</u> Title: <u>Comptroller</u> Telephone No.: <u>(217) 333-2187</u> Date: <u>8/18/2009</u>	
<b>Federal Use Only:</b>		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

## INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
  
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

**CERTIFICATION REGARDING LOBBYING**

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

**LOBBYING**

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

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

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

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

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


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

**Statement for Loan Guarantees and Loan Insurance**

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

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NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
Board of Trustees of the University of Illinois	UC2B-Sustainability
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Walter K. Knorr, Comptroller	
SIGNATURE 	DATE August 10, 2009



**Broadband Technology Opportunities Program  
Federal Grant Application  
Sustainable Broadband Adoption (Track 3)**

**I. Compliance and Certification**

(iii) I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009), the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.

(iv) If requesting BTOP funding, I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement or received a waiver.

Signature of authorized person Walter K. Knorr Date 08-10-2009

Print name of authorized person Walter K. Knorr

Title or position Comptroller

**Other Federal Forms and Certification Requirements**

- 1.) SF-424A, Budget Information Non-Construction Programs
- 2.) SF-42413, Assurances Non-Construction Programs
- 3.) SF-424C, Budget Information-Construction Programs
- 4.) SF-424D Assurances Construction Programs
- 5.) CD-346, Applicant for Funding Assistance
- 6.) CD-511, Certification Regarding Lobbying
- 7.) CD-512, Certification Regarding Lobbying Lower-Tier Covered Transactions
- 8.) SF-LLL, Disclosure of Lobbying Activities
- 9.) Legal Opinion



## DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB

0348-0046

(See reverse for public burden disclosure.)

<b>1. Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	<b>2. Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award c. post-award	<b>3. Report Type:</b> <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____
<b>4. Name and Address of Reporting Entity:</b> <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: The Board of Trustees of the University of Illinois 1901 S. First Street, Ste. A Champaign, IL 61820-7406  <b>Congressional District, if known:</b> IL-015	<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b>   <b>Congressional District, if known:</b>	
<b>6. Federal Department/Agency:</b> NTIA	<b>7. Federal Program Name/Description:</b> Broadband Technology Opportunities Program  <b>CFDA Number, if applicable:</b> 11.557	
<b>8. Federal Action Number, if known:</b>	<b>9. Award Amount, if known:</b> \$ 2,957,827.00	
<b>10. a. Name and Address of Lobbying Registrant</b> <i>(if individual, last name, first name, MI):</i> N/A	<b>b. Individuals Performing Services</b> <i>(including address if different from No. 10a)</i> <i>(last name, first name, MI):</i> N/A	
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	<b>Signature:</b> <u>Walter K. Knorr</u> <b>Print Name:</b> <u>Walter K. Knorr</u> <b>Title:</b> <u>Comptroller</u> <b>Telephone No.:</b> <u>(217) 333-2187</u> <b>Date:</b> <u>8/18/2009</u>	
<b>Federal Use Only:</b>		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

## INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

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3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filling the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
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(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
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