

**QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS**

General Information		
<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b>  Department of Commerce, National Telecommunications and Information Administration	<b>2. Award Identification Number</b>  NT10BIX5570045	<b>3. DUNS Number</b>  161202122
<b>4. Recipient Organization</b>  University of Wisconsin System Research & Sponsored Programs 21 N. Park St., STE 6401, Madison, WI 53715-1218		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  12-31-2011	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.</b>		
<b>7a. Typed or Printed Name and Title of Certifying Official</b>  Dawn-Marie M. Roberts	<b>7c. Telephone (area code, number and extension)</b>  6082620152	
	<b>7d. Email Address</b>  drobert4@rsp.wisc.edu	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  02-29-2012	

**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 In 4Q2011, MUFN completed 43 Community Anchor Institution connections (CAIs) and 29.1 total miles of network. In the East Washington Service Area, 20 of 23 CAIs are completed, 2 are partially completed. In the S. Park St Service Area, 5 of 15 CAI connections are completed with the remaining 10 only awaiting fiber splicing before final acceptance. In the Mineral Point Rd Service Area, 14 of 23 CAIs are completed with another 6 awaiting fiber splicing before final acceptance. In the University Ave Service Area, 2 of 14 CAIs are completed with 7 near completion only awaiting fiber splicing before final acceptance. In the Northport Drive Service Area, 2 of 7 CAIs are complete with 4 locations awaiting fiber splicing before final acceptance.

In addition to construction activities, we completed a draft version of the consortium agreement and are circulating to legal counsel now for review. MUFN also submitted a route change in the Mineral Point Rd Service Area due to significant road construction plans in the far southwest portion of the service area.

**2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).**

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	55	The Finding of No Significant Impact (FONSI) timing and weather caused our delay from our baseline projection. The FONSI was received in December 2010 which prevented construction activities to commence in November 2010 as originally planned. We expect to move in line with baseline schedule in 4Q2012.
2b.	Environmental Assessment	95	FONSI was received in 4Q2010. We were not aware that an EA was required. We have used funds from SF-424C's architectural and engineering fees to cover the cost of the EA. We expect to expend approximately \$1,500 to cover the cost of an on-site archeologist as required during the Monona Drive Service area in 3Q2012.
2c.	Network Design	95	EA required us to complete all engineering ahead of time such that we had 100% completed - including optical engineering. However, after network design mtgs with CAIs, we determined MUFN must redesign the optical transport as ALL entities want redundancy. This began in 3Q2011 and will complete by end of 1Q2012.
2d.	Rights of Way	75	Have right-of-ways for all but Monona Drive service area (remaining 25% difference from our baseline with completion (100%) by 1Q2012.
2e.	Construction Permits and Other Approvals	79	We are just past 1Q2010 baseline plan but will not catch up with our baseline of 100% completed until 2Q2012 due to road construction changes in University Ave, Monona Dr, Mineral Point and East Washington service areas (can not obtain permits in construction areas until work is nearly complete)
2f.	Site Preparation	0	Received quote from contractor. Filed Davis-Bacon Wage conformance (SF-1444) in late 3Q2011 for site preparation at 525 Science Dr and received conformance on 12/20/12. Expect to meet baseline by end of 2Q2012.
2g.	Equipment Procurement	0	We are redesigning optical transport system due to unexpected CAI demands for redundancy. Will begin procuring hardware in early 1Q2012 after optical network (re)design is complete which we did not include in our baseline as we believed this was already completed. Will be on track with baseline in 2Q2012.
2h.	Network Build (all components - owned, leased, IRU, etc)	62	We are behind due to delayed EA. Will catch up at 4Q2012.
2i.	Equipment Deployment	0	We expected to immediately deploy "North ring" but delayed due to network assessment meetings with CAIs and resulting surprise in demand. Redesigning optical system now with anticipated 2Q2012 deployment to catch up to baseline. Will not catch up to final 100% baseline until 4Q2012 as Monona Drive service area was delayed by 1yr due to road construction (orig. deployment was 1Q2012).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2j.	Network Testing	46	Tested completed laterals in 4Q2011 though due to EA and splicing completion delays, we will not catch up to baseline until 4Q2012 due to road construction delays delaying fiber installation in Monona Dr service area and 3 in E. Washington Ave and University Ave Service Areas.
2k.	Other (please specify):	0	N/A

3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

The Madison Metro Planning Organization (a federally designated Metro Planning Org or MPO for the Madison urban area), has pushed up a project to resurface and widen County M from Watts Rd to Valley View Rd and along County S (aka Minera Point Rd). This impacts permitting for directional boring excavation of the backbone and 2 laterals in the the Mineral Point Rd backbone. We submitted a route change to NTIA and per NTIA's request, have initiated EA and archeological consultant services to review and amend the original EA.

4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	29	We are behind our baseline due to delays with the EA and road construction which delayed our access in the Northport Drive service area and Monona Drive Service ARea. MUFN will not fully catch our 4Q2011 baseline until 4Q2012 due to weather issues (starting Monona Dr service area construction 4/15/2012).
New network miles leased	0	We were unable to complete a fiber agreement to lease 11 miles of fiber though we have a verbal agreement with UW Hospital & Clinics and are developing a written agreement. We anticipate having this completed in 2Q2012 after we complete the MUFN consortium agreement. The UWHC agreement will be between the MUFN consortium and UWHC rather than UW-Madison and UWHC which is the delay.
Existing network miles upgraded	0	N/A
Existing network miles leased	20	20 miles is the total of the Wisconsin Department Of Transportation fiber path leased at the beginning of the project.
Number of miles of new fiber (aerial or underground)	29	We are behind our baseline 57 miles due to delays with the EA. We are at 2Q2011. MUFN will not catch up to our 4Q2011 baseline until 4Q2012 due to weather issues (starting Monona Dr service area construction 4/15/2012).
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	43	We are just short of our 2Q2011 projection of 50 interconnect points and will match our 3Q2011 projection of 75 interconnect points by the end of 1Q2012. We are short due to delays obtaining an EA FONSI, unanticipated road construction and some CAI cancellations of service (5). We will near our 100% completion baseline at the end of 4Q2012.

For questions 5 and 6 please include information relating to agreements that you are negotiating or have entered into, or that your sub recipient, contractor or subcontractor is negotiating or entered into.

5a. If applicable, please provide the following information with regard to agreements with broadband wholesalers and/or last mile providers as a result of your project.

Indicators	

Indicators	
Number of signed agreements with broadband wholesalers or last mile providers	2
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	7
Average term of signed agreements (in quarters)	20

**5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:**  
Citywide d/b/a Mad City Broadband; WI Independent Network (WINS)

**5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in \$ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:**  
MUFN wholesale services offered by the project include point-to-point dark fiber and point-to-point wavelength services (where fiber IRUs permit). See attached document (BTOP-MUFN-PricingPlan.pdf)

**5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this third party operates (600 words or less).**  
The City of Madison in collaboration with UW and Citywide d/b/a Mad City Broadband will operate the network together. UW and the City have formalized and finalized the relationships. Mad City Broadband's contact information: 301 N. Broom St., Madison, WI 53703, Todd Anderson 608-237-6152; UW-Madison's contact information: Pat Christian, 1210 W. Dayton St., Madison, WI 53706, 608-265-9699.

**6. Please provide the data according to the type of subscriber. Write "0" in the Total column and "N/A" in the Narrative column if your project does not pass or serve a particular subscriber type. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (300 words or less).**

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Broadband Wholesalers or Last Mile Providers	Providers with signed agreements receiving new access	0	Below baseline projection of 2 due to delays in fiber installation which was delayed by delay in obtaining an EA FONSI
	Providers with signed agreements receiving improved access	0	On target with the baseline projections
	Providers with signed agreements receiving access to dark fiber	2	On target with the baseline projections
	Please identify the speed tiers that are available and the number of subscribers for each	0	Dark fiber; users can pick their own baseband speed/signaling type (i.e. ethernet) or light fiber via wave-division multiplexing
Community Anchor Institutions (including Government institutions)	Total subscribers served	43	Surpassed our 1Q2011 baseline in 4Q2011. We will approach our 3Q2011 # of subscribers in 1Q2012 as we expect to complete a significant number of CAIs in Jan 2012. We will not reach 4Q2011 baseline until near end of project (4Q2012) due to Monona Drive PFSA delays and assuming additional locations are approved to make up for the 5 dropped locations by CAI decision.
	Subscribers receiving new access	7	We are near our 3Q2011 baseline (2 short) at the end of 4Q2011 and expect be at 11 by the end of 1Q2012. We will not meet our initial baseline of 14 new access subscribers until 4Q2012 due to road construction in the Monona Drive Service Area.
	Subscribers receiving improved access	36	We are just short of our 2Q2011 baseline number and will surpass our 3Q2011 baseline number of 64 in 1Q2012. We will not approach our 4Q2011 (84) baseline of improved access subscribers until 4Q2012 due to road construction delays. In addition, due to 5 CAIs asking MUFN to drop laterals to their facilities, we will not reach 4Q2011 baseline of 84 unless additional CAI locations are approved to make up for the 5 dropped locations.

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	Please identify the speed tiers that are available and the number or subscribers for each	0	MUFN is a dark fiber project - most subscribers lighting dark fiber at minimum 1Gbps if not 10Gbps.
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

7. Please describe any special offerings you may provide (600 words or less).

N/A

8a. Have your network management practices changed over the last quarter?  Yes  No

8b. If so, please describe the changes (300 words or less).

N/A

9. Community Anchor Institutions:

Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
DaneNet-Main St. Industries	E. Washington Ave	Other Community Support Orgs	No	DaneNet is connecting several small community organizations serving vulnerable populations to enable voice and data (cloud services & remote desktop support) services
Madison Metro School District (MMSD) - Lapham Elem.	E. Washington Ave	Schools (K-12)	Yes	Madison Metro SD elementary school will use 1Gbps link for voice, video and data services (Internet, private network)
Madison Area Technical College (MATC) - Truax Campus	E. Washington Ave	Community College	Yes	MATC (aka Madison College) is a community or Technical College providing vocational training for various associate degrees and skills. MATC will use a 1Gbps link for voice, video and data services (including connecting multiple campuses together with Cisco telepresence to reduce instruction costs). Location will also be able to share instruments with UW-Madison (e.g. electron microscopes)

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
DaneNet - Madison Enterprise Center Incubator	E. Washington Ave	Other Community Support Orgs	No	DaneNet is connecting several small community organizations serving vulnerable populations to enable voice and data (cloud services & remote desktop support) services. Negotiations underway in this multi-tenant building to provide upgraded voice, video and data service to other commercial subscribers in facility.
MMSD - Madison East High School	E. Washington Ave	Schools (K-12)	Yes	Madison Metro SD elementary school will use 1Gbps link for voice, video and data services (Internet, private network)
MMSD - Emerson Elem	E. Washington Ave	Schools (K-12)	Yes	Madison Metro SD elementary school will use 1Gbps link for voice, video and data services (Internet, private network)
UW-Health East Clinic	E. Washington Ave	Medical and Healthcare Providers	Yes	UW-Health will utilize 1Gbps link for voice, video and data services (e.g. Internet, eHealth record systems)
South Central Library System	E. Washington Ave	Libraries	Yes	South Central Library System will use 1Gbps link to provide data services (e.g. public Internet access, admin data network) for 53 libraries in a 7 county region
UW-Health Access Community Health Centers	E. Washington Ave	Medical and Healthcare Providers	Yes	UW-Health will use 1Gbps link to provide voice, video and data services (e.g. Internet, eHealth record systems) to support provision of healthcare for lower-income customers
Madison Area Technical College (MATC) - Downtown Madison	E. Washington Ave	Community Colleges	Yes	MadisonCI is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
MadisonCI - Fire Station #11	E. Washington Ave	Public Safety Entity	Yes	City of Madison provides fire protection for a service area within a fire district. Upgrade 1Gbps link is used for training of employees while at the station (video), redundant communication systems and general Internet connectivity for station staff - including electronic reporting of staff inspections and other admin activities.
DaneNet - 128 E. Olin	S. Park St	Other Community Support Orgs	No	DaneNet is connecting several small community organizations serving vulnerable populations to enable voice and data (cloud services & remote desktop support) services. Negotiations underway in this multi-tenant building to provide upgraded voice, video and data service to other commercial subscribers in facility.
UW-Health Admin Office Bldg	University Ave	Medical and Healthcare Providers	Yes	UW-Health will use 10Gbps link to provide voice, video and data services (e.g. Internet, eHealth record systems) to support provision of healthcare for its customers at this datacenter facility
MMSD - Lincoln Elem	S. Park St	Schools (K-12)	Yes	Madison Metro SD elementary school will use 1Gbps link for voice, video and data services (Internet, private network, virtual curriculum (video) fieldtrips)
MadisonCI - Water #18	S. Park St	Public Safety Entity	Yes	City of Madison is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
MadisonCI - South Precinct Police Station	S. Park St	Public Safety Entity	Yes	MadisonCI will use 1Gbps link for voice, data and video services including on and off-site (high-crime areas nearby) video surveillance and Internet access that including cybercriminal unit and secure administrative communications among precinct regions of city
MadisonCI - Fire Station #6	S. Park St	Public Safety Entity	Yes	City of Madison provides fire protection for a service area within a fire district. Upgrade 1Gbps link is used for training of employees while at the station (video), redundant communication systems and general Internet connectivity for station staff - including electronic reporting of staff inspections and other admin activities.

UW-Health Transformations Clinic	University Ave	Medical and Healthcare Providers	Yes	UW-Health will utilize 1Gbps link for voice, video and data services (e.g. Internet, eHealth record systems)
UW-Health Northeast Medical Center	Northport Drive	Medical and Healthcare Providers	Yes	UW-Health will utilize 1Gbps link for voice, video and data services (e.g. Internet, eHealth record systems)
UW-Madison Medical School Continuing Medical Education	Northport Drive	Other Institutions of Higher Education	Yes	UW-Madison Medical School will use 1Gbps link for voice, video and data connectivity to the Internet for continuing education for medical professionals.
UW-Madison Medical School - Alzheimer Institute	Mineral Point Rd	Other Institutions of Higher Education	Yes	UW-Madison Medical School location for the WI Alzheimer Institute will use MUFN 1GE link for data and video purposes to advance their nationally accredited and endowed research prevention/cures for Alzheimer disease. WI Alzheimer Institute (WAI) has outreach to a coalition of medical service providers, community-based organizations, educational institutions and advocates organized by the Wisconsin Bureau on Aging and Long-Term Care Resources and the Helen Bader Foundation in Milwaukee who all benefit from this link.
MadisonCI - Fire Station #2	Mineral Point Rd	Public Safety Entity	Yes	City of Madison provides fire protection for a service area within a fire district. Upgrade 1Gbps link is used for training of employees while at the station (video), redundant communication systems and general Internet connectivity for station staff - including electronic reporting of staff inspections and other admin activities.
DaneNet-Oakwood Foundation	Mineral Point Rd	Other community support organizations	Yes	Senior, assisted and nursing home village will use 1Gbps connectivity to provide residents with voice, video and data services as well as limited onsite telemedicine care
MMSD - Midvale Elem	Mineral Point Rd	Schools (K-12)	Yes	Madison Metro SD elementary school will use 1Gbps link for voice, video and data services (Internet, private network, virtual curriculum (video) fieldtrips)
University of WI - Extension - WI Geological and Natural History Survey	Mineral Point Rd	Other Institutions of Higher Education	Yes	UW-Extension WGNHS facility will use 1Gbps connectivity to Internet to provide general public MUCH improved access to large topographical maps as well as better/more access to data and reports from physical samples, projects and research from around the State. Internet access will also facilitate use of cloud applications for business admin purposes.
City of Madison (MadisonCI) - Water #16	Mineral Point Rd	Public Safety Entity	Yes	City of Madison is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
MMSD - Memorial High School	Mineral Point Rd	Schools (K-12)	Yes	Madison Metro SD high school will use 1Gbps link for voice, video and data services (Internet, private network, virtual curriculum (video) fieldtrips and more)
MMSD - Jefferson Middle School	Mineral Point Rd	Schools (K-12)	Yes	Madison Metro SD middle school will use 1Gbps link for voice, video and data services (Internet, private network, virtual curriculum (video) fieldtrips)
Madison Area Technical College (MATC) - West Madison	Mineral Point Rd	Community College	Yes	MATC (aka Madison College) is a community or Technical College providing vocational training for various associate degrees and skills. MATC will use a 1Gbps link for voice, video and data services (including connecting multiple campuses together with Cisco telepresence to reduce instruction costs). Location will also be able to share instruments with UW-Madison (e.g. electron microscopes)
UW-Health West Towne Clinic	Mineral Point Rd	Medical and Healthcare Provider	Yes	UW-Health will utilize 1Gbps link for voice, video and data services (e.g. Internet, eHealth record systems)
MadisonCI - Fire Station #4	Mineral Point Rd	Public Safety Entity	Yes	City of Madison provides fire protection for a service area within a fire district. Upgrade 1Gbps link is used for training of employees while at the station (video), redundant communication systems and general Internet connectivity for station staff - including electronic reporting of staff inspections and other admin activities.

MadisonCI - Water #26	Mineral Point Rd	Public Safety Entity	Yes	MadisonCI is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.  Additionally, this facility will serve as a transmission site for a City of Madison police/emergency first responder radio system to comply with FCC mandates 1/1/2013.
UW-Health data center	Mineral Point Rd	Medical and Healthcare Providers	Yes	UW-Health will use 10Gbps link to provide voice, video and data services (e.g. Internet, eHealth record systems) to support provision of healthcare for its customers at this datacenter facility
University Research Park	Mineral Point Rd	Other Institutions of Higher Education	Yes	UW-Madison will provide 10Gbps connectivity to a University-affiliated research and corporate park that houses various life science and other startup companies as well as small to mid-size corporations.
City of Madison - Water #24	E. Wash Ave	Public Safety Entity	Yes	City of Madison is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
City of Madison - Madison Metro Bus Corp	E. Wash Ave	Other Government Facilities	Yes	City of Madison is using this link for video surveillance of several bus transfer points, Internet access for the administrative staff, website hosting to provide routes, fares, real-time bus location information and eCommerce transactions.
City of Madison - Health East	E. Wash Ave	Medical and Healthcare Providers	Yes	City of Madison operates a local public health office at this facility providing services which include: low-income health care, environmental services (e.g. air quality, mosquito monitoring), food safety monitoring, animal services, etc). See <a href="http://www.publichealthmdc.com/about/services.cfm">http://www.publichealthmdc.com/about/services.cfm</a> for more details
City of Madison - Fire Station #8	E. Wash Ave	Public Safety Entity	Yes	City of Madison provides fire protection for a service area within a fire district. Upgrade link is used for training of employees while at the station (video), redundant communication systems and general Internet connectivity for station staff - including electronic reporting of staff inspections and other admin activities.
City of Madison - Water #15	E. Wash Ave	Public Safety Entity	Yes	City of Madison is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
City of Madison - Water #215	E. Wash Ave	Public Safety Entity	Yes	City of Madison is using this link for video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
City of Madison - Water Tower #1	E. Wash Ave	Public Safety Entity	Yes	City of Madison is using this link for first responder communications with police, fire and ambulance companies, video surveillance of the facility, collection of SCATA data, voice-over-IP phone service in the facility and data access for technicians who are servicing equipment and need Internet access to perform their work.
City of Madison - Fleet Services	E. Wash Ave	Public Safety Entity	Yes	City of Madison is using this upgraded link for maintaining electronic service records for police and other City automobiles as well as first responder communications and administrative office commodity Internet service.
City of Madison - Fire Maintenance	E. Wash Ave	Public Safety Entity	Yes	City of Madison is using this upgraded link for electronic records of maintaining/inspecting fire engine vehicles as well as first responder communications and administrative office commodity Internet service.

**Project Indicators (Next Quarter)**

**1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).**

MUFN expects to have 74 CAIs completed and 40 miles of fiber installed - including all Northport Drive Service Area backbone fiber as well as 2 CAIs in the East Washington Service Area, 10 CAIs in the S. Park St Service Area, 6 more CAIs in the Mineral Point Rd Service Area, 5 more CAIs in the Northport Drive Service Area, and 8 more CAIs on University Ave Service Area.

We also expect to develop, finalize, issue and award a request for bid (RFB) on MUFN Phase 3 which encompasses the Monona Drive Service Area.



MUFN also anticipates finalizing an optical design and procuring hardware for installation.

Finally, MUFN expects to be substantially complete with a legal review of the MUFN consortium agreement.

**2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Planned Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).**

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2a.	Overall Project	64	MUFN is catching up from 1yr loss due to EA delays. Our 1Q2012 progress will be between our 2Q2011 and 3Q2011 progress plan. Due to weather, we won't be able to fully catch up with our baseline until 4Q2012. We expect to expend 67% of funds by the end of 2Q2012.
2b.	Environmental Assessment	95	FONSI was received in 4Q2010. We were not aware that an EA was required. We have used funds from SF-424C's architectural and engineering fees to cover the cost of the EA. We expect to expend approximately \$1,500 to cover the cost of an on-site archeologist as required during the Monona Drive Service area in 3Q2012.
2c.	Network Design	100	EA required us to complete all engineering ahead of time such that we had 100% completed - including optical engineering. However, after network design mtgs with CAIs, we determined MUFN must redesign the optical transport as ALL entities want redundancy. This began in 3Q2011 and will complete by end of 1Q2012.
2d.	Rights of Way	100	N/A
2e.	Construction Permits and Other Approvals	79	We are just past 1Q2010 baseline plan but will not catch up with our baseline of 100% completed until 2Q2012 due to road construction changes in University Ave, Monona Dr, Mineral Point and East Washington service areas (can not obtain permits in construction areas until work is nearly complete)
2f.	Site Preparation	0	Expect work to commence in 1Q2012 but not to receive invoice from contractor until 2Q2012.
2g.	Equipment Procurement	0	Expect to complete optical hardware procurement by 2Q2012.
2h.	Network Build (all components - owned, leased, IRU, etc.)	77	Will catch up at 4Q2012. Expect to hit 3Q2011 baseline projection.
2i.	Equipment Deployment	0	Expect to deploy optical hardware in 2Q2012.
2j.	Network Testing	77	Will catch up at 4Q2012. Expect to surpass 3Q2011 baseline projection.
2k.	Other (please specify):	0	N/A

**3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).**

MUFN may encounter problems acquiring final right-of-way in the City of Monona which may impact 2 CAIs. Also, we are proceeding with an amendment to our EA FONSI for our proposed route change and request NTIA to expediently review the submission as soon as resources are available. The EA soil testing may be delayed if WI winter weather turns colder.

**Infrastructure Budget Execution Details**

**Activity Based Expenditures (Infrastructure)**

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Budget for Entire Project				Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
Cost Classification	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Administrative and legal expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Land, structures, right-of-ways, appraisals, etc.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$537,264	\$0	\$537,264	\$91,124	\$0	\$91,124	\$150,000	\$0	\$150,000
e. Other architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
f. Project inspection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
g. Site work	\$10,000	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$8,180,587	\$3,753,242	\$4,427,345	\$4,762,194	\$3,460,027	\$1,211,043	\$5,560,027	\$3,460,027	\$2,100,000
j. Equipment	\$131,764	\$0	\$131,764	\$0	\$0	\$0	\$0	\$0	\$0
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$8,859,615	\$3,753,242	\$5,106,373	\$4,853,318	\$3,460,027	\$1,302,167	\$5,710,027	\$3,460,027	\$2,250,000
m. Contingencies									
<b>n. TOTALS (sum of l and m)</b>	\$8,859,615	\$3,753,242	\$5,106,373	\$4,853,318	\$3,460,027	\$1,302,167	\$5,710,027	\$3,460,027	\$2,250,000

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: \$298,800

b. Program Income to Date: \$5,400