

**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
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**4. Recipient Organization**

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>  06-30-2011	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No
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**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>7a. Typed or Printed Name and Title of Certifying Official</b>  John P Freeman  Accountant	<b>7c. Telephone (area code, number and extension)</b>  6088903068
	<b>7d. Email Address</b>  jpfreeman@rsp.wisc.edu

<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  08-09-2011
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**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 During the second quarter of 2011, Phase 1 site surveys have been completed and construction activities for Phase 1 began effective April 4, 2011. The construction bid for Phase 2 was awarded to InterCon, our current construction vendor. Phase 2 site surveys were completed by end of the second quarter. Phase 2 permits have been submitted for approval. While our construction contractor, InterCon, has received all materials including fiber for Phase 1 and received all materials except the fiber for Phase 2, expected target fiber shipment date is now August 2011 for Phase 2 per a different fiber company, CommScope. Our original fiber vendor, Corning, alerted us that due to the overwhelming demand of fiber requests stemming from the tsunami event in Japan earlier this year, earliest estimates of fiber shipment is now December 2011 which is unacceptable for the MUFN project. We are also conducting network planning design meetings with MUFN stakeholders as it was determined that many needed additional assistance with the design of their respective locations.

We completed negotiations of a sub-recipient agreement with the City of Madison to codify the City's relationship and rights with UW.

**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	5	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 4Q2011.
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.
2c.	Network Design	100	Our baseline assumed network engineering design could be completed in phases. However, the EA required us to complete all engineering before proceeding with construction.
2d.	Rights of Way	25	Right of way negotiation with City of Middleton is not complete as expected in baseline. Right of way negotiations for Monona Drive service area are delayed until winter 2011/2012 due to road construction changes.
2e.	Construction Permits and Other Approvals	15	FONSI timing and weather. Permits are only good for six months and permitting authorities strongly prefer permits be pulled close to commencement of construction.
2f.	Site Preparation	0	Received quote from contractor. Discovered we need to file Davis-Bacon Wage conformance (SF-1444) in order to begin site preparation at 525 Science Dr.
2g.	Equipment Procurement	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline.
2h.	Network Build (all components - owned, leased, IRU, etc)	0	.4 % expenditure for network build occurred in 2Q2011. Form does not allow fractions.
2i.	Equipment Deployment	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline.
2j.	Network Testing	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline.
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).**

We have experienced ROW issues/delays with the City of Middleton. Proofing of in-kind match conduit has resulted in additional

unanticipated work to clear mud.

**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	0	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011. 20.15 miles will be done in 4Q2011 which tracks with our baseline as of 4Q2010.
New network miles leased	0	We were unable to complete a fiber agreement to lease 11 miles of fiber; we have a verbal agreement with UW Hospital & Clinics and are developing a written agreement.
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 (black fiber path on the Northeast/ central side of Madison on the map) leased at the beginning of the project. The UW Hospital & Clinics written agreement has not been finalized yet.
Number of miles of new fiber (aerial or underground)	20	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011. In addition we have not completed the UW Hospital and Clinics agreement due to UWHC attorney delays. 20.15 miles will be done in 4Q2011.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	4	Road construction projects we did not anticipate caused delays from our baseline plan. At the end of 4Q2011, we expect to be at our baseline (75) which was our 3Q2011 baseline projection. At the end of 4Q2012, we expect to meet our baseline projection of 104.

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	
Number of signed agreements with broadband wholesalers or last mile providers	1
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	4
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.

**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 are formalizing and finalizing the relationships now as a contractor and the City is finalizing its relationship with Citywide as a subcontractor. 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	On target with the baseline projections
	Providers with signed agreements receiving improved access	0	On target with the baseline projections
	Providers with signed agreements receiving access to dark fiber	1	In negotiations with several groups though a second agreement hasn't been reached yet as our baseline predicted.
	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	0	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011.
	Subscribers receiving new access	0	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011.
	Subscribers receiving improved access	0	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011.
	Please identify the speed tiers that are available and the number or subscribers for each	0	N/A
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
N/A	N/A	N/A	N/A	N/A

**Project Indicators (Next Quarter)**

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

Phase 1 construction will be completed. Phase 2 permits will be approved and construction will commence upon the arrival of fiber.

**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	49	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011. We expect to catch up in 4Q2011.
2b.	Environmental Assessment	95	FONSI was received in 4Q2010. 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 Spring 2012.
2c.	Network Design	100	Our baseline assumed network engineering design could be completed in phases. However, the EA required us to complete all engineering before proceeding with construction.
2d.	Rights of Way	69	Expect to finalize right-of-way with City of Middleton and Dane County
2e.	Construction Permits and Other Approvals	46	Anticipate to receive permits in City of Middleton, Town of Madison, Town of Middleton, Dane County and from the WI Dept of Transportation in 3Q2011.
2f.	Site Preparation	100	Expect to complete site prep activities at 525 Science Dr, Madison, WI
2g.	Equipment Procurement	0	Expect to procure equipment in 4Q2011 once consortium network designs are finalized
2h.	Network Build (all components - owned, leased, IRU, etc.)	46	We expect to be one quarter behind our baseline at the end of 3Q2011. This is due to late start due to FONSI and weather.
2i.	Equipment Deployment	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline.
2j.	Network Testing	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline.

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
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).**

Fiber shipment delays of 10-12 weeks for delivery due to the earthquake and tsunami in Japan. As a result, foreign-made fiber manufacturer supply chains have been injured and orders to American manufacturers have increased substantially. MUFN may use materials from Phase 1 in Phase 2 in order to compensate for delays.

Obtaining right-of-way and excavation permits from the city of Middleton and Shorewood is proving to be challenging.

**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	\$44,405	\$0	\$44,405	\$58,160	\$0	\$58,160
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	\$10,000	\$0	\$10,000
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$8,180,587	\$3,753,242	\$4,427,345	\$400,710	\$183,022	\$217,688	\$4,297,163	\$3,754,841	\$542,322
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	\$445,115	\$183,022	\$262,093	\$4,365,323	\$3,754,841	\$610,482
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$8,859,615	\$3,753,242	\$5,106,373	\$445,115	\$183,022	\$262,093	\$4,365,323	\$3,754,841	\$610,482

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: \$0	b. Program Income to Date: \$0
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