

QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	2. Award Identification Number NT10BIX5570045	3. DUNS Number 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
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5. Current Reporting Period End Date (MM/DD/YYYY) 03-31-2011	6. Is this the last Report of the Award Period? <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.

7a. Typed or Printed Name and Title of Certifying Official John P Freeman Accountant	7c. Telephone (area code, number and extension) 6088903068
	7d. Email Address jpfreeman@rsp.wisc.edu

7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 05-13-2011
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Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).

During the first quarter of 2011, UW requested contact information from the MUFN stakeholders that included primary and secondary contact information for building administrative personnel, technical personnel, on-site access phone numbers, and support hours. Upon receipt of the contact information, UW began scheduling building site surveys for Phase 1 (3 of 6 service areas) building locations, approximately two building surveys per day. Phase 1 locations include backbone and laterals for E. Washington and S. Park St. laterals. Phase 1 site surveys are expected to continue into the second quarter of 2011. In addition, the request for quote construction bid for Phase 2 (service areas 4 and 5) has been released and responses are currently being evaluated with an expectation to award by April 1, 2011. Additionally, construction materials have been ordered and received with InterCon, our construction company for Phase 1 sites, housing the construction materials. InterCon has also initiated the process to obtain permits for Phase 1 construction sites and will work with UW to prioritize installations. UW created a file-share web directory to receive Davis-Bacon payroll accounting reports from InterCon and to share other pertinent project information with InterCon and UW internal purchasing and accounting teams. On March 29, 2011, UW participated in a pre-construction meeting with InterCon, City of Madison Traffic Engineering, and City of Madison Engineering to discuss the areas of construction, fiber-pull locations, traffic control, work hours, inspections, and the construction schedule.

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	0	Percent Complete is .4%, however, this form does not accept fraction percentages. FONSI timing and weather caused our delay from our baseline projection. 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	No variance from baseline.
2e.	Construction Permits and Other Approvals	0	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	FONSI timing and engineering resources were used to complete network design. See answer to question 3 below.
2g.	Equipment Procurement	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline. See answer to question 3 below.
2h.	Network Build (all components - owned, leased, IRU, etc)	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline. See answer to question 3 below.
2i.	Equipment Deployment	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline. See answer to question 3 below.
2j.	Network Testing	0	FONSI timing and weather. See answer to question 3 below.
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).

There have been challenges scheduling meetings with the City of Madison Traffic Engineering team. Permit office adjusted their application of administrative rules causing a two-week delay. Further challenges include finalizing the sub-award agreement causing

delayed booking of the match and the challenges related to coordinating with road construction schedules. Delayed receipt of FONSI has stretched our internal network engineering resources resulting in delays in site preparation at one location. While we did not include network design in our proposal for CAI stakeholders, we are finding we must assist CAIs in developing their new network designs. This has resulted in delays in equipment procurement for an existing fiber ring which we believe will be deployed in 4Q2011.

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.
New network miles leased	0	We were unable to complete a fiber agreement to lease 11 miles of fiber in 2Q2010, 3Q2010, and 4Q2010; we have a verbal agreement with UW Hospital & Clinics and are developing a written agreement to be executed in 2Q2011.
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)	0	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.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	4	Didn't add 2 points of interconnect (POI) as expected as 11mi fiber lease agreement did not get executed in 1Q2011. FONSI timing and weather delayed start of MUFN Phase 1 until April 2011.

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	2
Average term of signed agreements (in quarters)	5

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 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.

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	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	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 as our project involves dark fiber where users can pick their own baseband speed/signaling type (i.e. ethernet) or light fiber via wave-division multiplexing
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	3 of 6 service area site surveys are scheduled and no installations have occurred during 1Q2011

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).
 Phase 1 site surveys will be completed. The construction contract for Phase 2 was awarded in Q22011 and Phase 1 construction will begin soon. Phase 2 site surveys will be completed by the end of June 2011. Phase 1 & 2 permits will be pulled. InterCon will order materials for Phase 2 during this quarter.

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	6	FONSI timing and weather delayed start of MUFN Phase 1 until April 2011. We expect to catch up in 4Q2011.
2b.	Environmental Assessment	95	Monona Drive service area (Phase 3) will not begin until 2Q2012. Expect to catch in 2Q2012.
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	50	Delaying Monona Drive service area until summer 2012 due to significant road construction.
2e.	Construction Permits and Other Approvals	38	Phase 1 permits expected 5/4/11. We plan to submit Phase 2 permits in May 2011 and go before the City of Madison Board of Public Works on 6/8/11. We are also meeting with WisDOT (Wisconsin Department of Transportation) in May 2011 to finalize a permit request. FONSI timing and weather delayed start of MUFN Phase 1 until April 2011. We expect to catch up in 2Q2011.
2f.	Site Preparation	0	FONSI timing and engineering resources were used to complete network design. We expect to catch up 3Q2011.
2g.	Equipment Procurement	0	FONSI timing. Also, we were conducting CAI needs assessments before procuring hardware which we did not include in our baseline. We expect to complete 40% of this in 4Q2011 and catch up in 4Q2012. Significant delay is due to construction delays in Monona Drive service area due to road construction schedule changes.
2h.	Network Build (all components - owned, leased, IRU, etc.)	14	Received Environmental Assessment late 4Q2010
2i.	Equipment Deployment	0	FONSI timing. Also, are conducting CAI needs assessments before procuring hardware which we did not include in our baseline.
2j.	Network Testing	0	FONSI timing and weather. We expect to be substantially caught up in 4Q2011.

	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.

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	\$36,464	\$2,035	\$34,429	\$55,000	\$0	\$55,000
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	\$0	\$0	\$0	\$465,200	\$206,000	\$259,200
j. Equipment	\$131,764	\$0	\$131,764	\$0	\$0	\$0	\$0	\$0	\$0
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
l. SUBTOTAL (add a through k)	\$8,859,615	\$3,753,242	\$5,106,373	\$36,464	\$2,035	\$34,429	\$520,200	\$206,000	\$314,200
m. Contingencies									
n. TOTALS (sum of l and m)	\$8,859,615	\$3,753,242	\$5,106,373	\$36,464	\$2,035	\$34,429	\$520,200	\$206,000	\$314,200

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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