

RECIPIENT NAME:Clackamas, County of

AWARD NUMBER: NT10BIX5570079

DATE: 11/15/2012

OMB CONTROL NUMBER: 0660-0037  
EXPIRATION DATE: 12/31/2013

### 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>  NT10BIX5570079	<b>3. DUNS Number</b>  096992656
<b>4. Recipient Organization</b>  Clackamas, County of 2051 Kaen Road, Oregon City, OR 97045-4088		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  09-30-2012	<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>  David DeVore  Deputy Information Officer	<b>7c. Telephone (area code, number and extension)</b>  5037234996	
	<b>7d. Email Address</b>  DavidDev@co.clackamas.or	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  11-15-2012	

**Project Indicators (This Quarter)**

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

Key Milestones

- Anchor Sites:

Our contractor physically connected to 20 anchor sites in Q3 2012. Another 12 anchor sites realized improved broadband service to the other anchor sites. Total anchor sites connected by the end of Q3 2012 are 108.

- Agreements:

2 Service Level Agreements (SLA) were signed during Q3 2012 bringing the project total to 15 signed SLA's. The 15 SLA's represent 86 anchor sites along with 52 county sites brings the total count to 138 sites that can be connected to the fiber network. We have received another SLA that is slowly making its way through legal review.

- Permits:

With the approval of the Highway 213 Award Action Request (AAR), we have 3,389 approved Portland General Electric pole permits out of 3,540, or 96% of the Portland General Electric permits have been approved. The last 4 mile section of Highway 26 is under construction by Portland General Electric and once they finish construction, we will submit our approval from the US Forest Service for attaching to the new poles. With the approval from the US Forest Service, we will issue a new AAR for HWY 26.

Grant Requirement Activity Detail

- Baseline:

The baseline route is a culmination of the grant application and the 3 approved route AAR's. Any future route changes will be coordinated with the NTIA through the AAR process.

- Environmental Assessment (EA):

The environmental assessment is complete for the county fiber network, with the exception of the Portland General Electric reliability project located on Mt Hood. Environmental monitoring continues by the contractor pursuant to procedures established in the Field Manual.

- Outreach:

We continued implementing our Outreach and Communications Plan during Q3, 2012 with new interest from new telecom providers. New local organizations are showing interest in the fiber network with the news that both fiber rings are nearing completion.

Construction Support Detail

- Proposed Route:

Refinement to the design of fiber optic routes continued in Q3 2012 with the approval of the Molalla to Oregon City AAR. The general route continues to be followed, but field discoveries and denials of reasonable access to RoW require some adjustments. Any variations to the baseline route will be submitted via the AAR process.

- Service Providers:

Discussions with potential service providers continue. Several service providers are anxiously waiting for the completion of our two fiber rings. With the approval of the most recent AAR, we anticipate closing both rings by the end of November 2012 and signing on our first service provider.

- Expenditures:

Project to date construction and design expenditures are \$6,768,419 which represents 61% of the overall \$11.1 million project budget. The project to date construction and design expenditures represents 87% of the \$7.8 million dollar grant budget. Staff time of \$35,496.

- Construction Activities:

We completed construction of 13 backbone miles and 9 miles of laterals for a total of 22 miles of fiber optic cable placed during Q3 2012.

**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	87	Under projected 93% baseline-The overall project progress should realign with baseline of 99% by the end of Q4 2012.
2b.	Environmental Assessment	100	100% baseline - Continued environmental monitoring by contractor pursuant to procedures established in the Field Manual.
2c.	Network Design	98	Over projected 95% baseline – Network Design is complete with the exception of the 4 miles on Mt Hood for the Portland General Electric Reliability Project.

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2d.	Rights of Way	78	Under projected 94% baseline. We have Right-of-Way (RoW) authority from 7 of 9 cities. We expect RoW to realign with projected baseline by the end of Q4 2012.
2e.	Construction Permits and Other Approvals	96	Over projected 95% baseline. Municipal permits: 80 of 82 received; Railroad Permits: 10 of 10 received; Portland General Electric Permits: 3389 of 3540 received.
2f.	Site Preparation	100	Met projected 100% baseline.
2g.	Equipment Procurement	0	N/A - AAR approved to remove equipment as matching component, so site equipment is not part of grant.
2h.	Network Build (all components - owned, leased, IRU, etc)	94	Over projected 87% baseline. We have built 22 route miles in Q3 2012 bringing the project total to 157 route miles built out of 169 projected.
2i.	Equipment Deployment	0	N/A - AAR approved to remove equipment as matching component, so site equipment is not part of grant.
2j.	Network Testing	68	Under projected 84% baseline –Due to RoW permitting/franchising issues, we were unable to place fiber as scheduled, hence testing was delayed. Network testing will not be complete until the close of the project, Q2 2013.
2k.	Other (please specify):	73	Under projected 100% baseline – Our AAR that was submitted in March 2012 is approved and our contractor is connecting anchor sites utilizing the approved routes. We do not expect the number of CAIs served to realign with projections until Q2 2013.

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).

1. RoW Issues

We have encountered RoW permitting challenges with one municipality, but we are mediating to resolve the differences. Although mediation continues, our most recent AAR was approved and we have continued the construction on the newly approved route.

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	157	Over projected baseline of 145 miles.
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	157	Over projected baseline of 145 miles.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	3	Meeting baseline of 3 new interconnection points.

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	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	9
Average term of signed agreements (in quarters)	0

**5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:**

One public last mile provider is using the fiber (City of Sandy's broadband utility (SandyNet), which is a partner in our grant). No Service Agreements yet with a private provider, but there are about 10 Non-Disclosure agreements currently in place. We are engaged in multiple, ongoing discussions with local and regional service providers. Based on those conversations, we do not expect the first signed agreement with a private provider until both fiber rings are completed, which is projected to be in Q4 2012.

**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:**

This project only provides dark fiber. No lit services will be provided. The project provides point-to-point fiber connections for Community Anchor Institutions at \$250/month per pair of fiber. The project will also provide fiber on entire rings, which seems typical of what private carriers want. The price of fiber on entire rings will be at least \$1,000 per month per pair, but that pricing is still under review.

**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).**

Overall Management of the network will remain with Clackamas County.

**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)
<b>Broadband Wholesalers or Last Mile Providers</b>	Providers with signed agreements receiving new access	0	Consistent with Baseline, though one with a public provider is being finalized now.
	Providers with signed agreements receiving improved access	0	Behind Baseline estimate of 3 due to additional route engineering in dense area. Agreements are in process with Clackamas Educational Service District & SandyNet and expected to be signed by the end of Q2 2012.
	Providers with signed agreements receiving access to dark fiber	0	Behind Baseline estimate of 3 due to ring construction not being complete because of additional route engineering in dense area. Agreements are in process with Clackamas Educational Service District & SandyNet and expected to be signed by the end of Q4 2012.
	Please identify the speed tiers that are available and the number of subscribers for each	2	1 GBPS - Standard for all providers (0 currently) 10 GBPS - Available if electronics upgraded (0 currently)
<b>Community Anchor Institutions (including Government institutions)</b>	Total subscribers served	108	Under projected 147 baseline. Due to RoW permitting/franchising issues, route changes and related design changes, we now have a total of 108 CAIs being served by the end of Q3 2012.
	Subscribers receiving new access	0	Consistent with Baseline
	Subscribers receiving improved access	108	Under projected 147 baseline. Due to RoW permitting/franchising issues, route changes and related design changes, we now have a total of 108 CAIs being served by the end of Q3 2012.
	Please identify the speed tiers that are available and the number or subscribers for each	0	1 GBPS - Standard for all connections 10 GBPS - Available if electronics upgraded

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
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).**

The project does not offer any services, only dark fiber at published pricing.

**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
Please See Attached List	N/A	N/A	N/A	Please see the attached list of CAI Sites added this quarter

**Project Indicators (Next Quarter)**

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

Key activities expected summary:

Construct 8 new route miles bringing the total fiber built to 165 miles with the 4 miles of the Portland General Electric reliability project left to complete. Total backbone constructed to 123 of 127 miles (97%), and 42 out of 42 lateral miles (100%). Connect another 29 anchor sites bringing the total to 137. Expect to have 2 more SLA's signed bringing the total to 17.

Key Milestones

1. New Network Miles Deployed: Expect to construct an additional 8 route miles.
2. Total CAI Subscribers Served: Expect to have 2 more signed Service Level Agreements returned.
3. Number of signed agreements with broadband wholesalers or last mile providers: Expect to have 2 signed agreements with last mile providers.

- Network Design:

The network design will be complete with the exception of the 4 mile Portland General Electric reliability project.

- Permits:  
Amend Oregon Department of Transportation permits through the Mt. Hood National Forest.
- Procurement:  
All fiber required for this project has been received.
- Network Testing:  
All fiber for network will be tested with the exception of the fiber east of the Portland General Electric reliability project on Mt Hood.

Grant Requirement Activity Detail

- Environmental Assessment:  
Continued environmental monitoring by contractor pursuant to procedures established in the Field Manual.
- Outreach:  
We will continue implementing our Outreach and Communications Plans, which includes updating the project web site, distributing a newsletter, and communicating with communications providers.

Construction Support Detail

- Route:  
The fiber network is fully design with the exception of the 4 miles on HWY 26 and the Portland General Electric reliability project. Once we receive the design drawings for the Reliability Project, our contractor can design the last 4 miles of our fiber network.
- Budget:  
We are continuously working with our contractor to ensure the project is on budget.
- Expenditures:  
Construction and design expenditures expected to be about \$850,000.00 and staff time of about \$52,000.00.

**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	95	Under projected 99% baseline.
2b.	Environmental Assessment	100	Complete.
2c.	Network Design	100	Design will be complete.
2d.	Rights of Way	78	Under projected 100% baseline – Rights of Way still need to be approved for 2 other cities. We expect Rights of Way to realign with projected baseline by the end of Q4 2012.
2e.	Construction Permits and Other Approvals	100	Complete.
2f.	Site Preparation	100	Complete.
2g.	Equipment Procurement	0	N/A - AAR approved to remove equipment as matching component, so site equipment is not part of grant.
2h.	Network Build (all components - owned, leased, IRU, etc.)	98	Under projected 100% Baseline – total of 165 miles completed by the end of Q4 2012 out of 169 total project miles. The last 4 miles will be complete when Portland General Electric finishes their reliability project on Highway 26 to Government Camp.
2i.	Equipment Deployment	0	N/A - AAR approved to remove equipment as matching component, so site equipment is not part of grant.
2j.	Network Testing	98	Under projected 100% baseline. Once Portland General Electric finishes their work on HWY 26, we can then install the last 4 miles of the network and test the Government Camp spur. This will complete the testing of the network. We expect the final testing to be complete by the end of Q2 2013.
2k.	Other (please specify):	98	Under projected 100% baseline - Due to the anticipated delay of constructing the Highway 26 spur to Government Camp, we will be unable to connect the final CAI sites until Q2 2013.

**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).**

The primary issues impacting the project and needing resolution:  
The issues we are having have been documented above and should be resolved to the point where we expect to make rapid progress

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and catch up with the original baseline and milestones and metrics in the next two quarters.

**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	\$416,498	\$309,498	\$107,000	\$347,309	\$286,486	\$60,823	\$399,309	\$338,486	\$60,823
b. Land, structures, right-of-ways, appraisals, etc.	\$2,516,082	\$2,516,082	\$0	\$2,568,309	\$2,568,309	\$0	\$2,568,309	\$2,568,309	\$0
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$1,183,084	\$0	\$1,183,084	\$898,658	\$0	\$898,658	\$918,674	\$0	\$918,674
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$7,033,166	\$519,069	\$6,514,097	\$5,889,849	\$80,911	\$5,808,938	\$6,739,849	\$114,411	\$6,625,438
j. Equipment	\$0	\$0	\$0	\$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>	\$11,148,830	\$3,344,649	\$7,804,181	\$9,704,125	\$2,935,706	\$6,768,419	\$10,626,141	\$3,021,206	\$7,604,935
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$11,148,830	\$3,344,649	\$7,804,181	\$9,704,125	\$2,935,706	\$6,768,419	\$10,626,141	\$3,021,206	\$7,604,935

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: \$3,750
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