

**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>  NT10BIX5570118	<b>3. DUNS Number</b>  165271250
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<b>4. Recipient Organization</b>  Nexus Systems, Inc. 2904 Evangeline St, Monroe , LA 71201-3724
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<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  06-30-2012	<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>  Mark Stevenson	<b>7c. Telephone (area code, number and extension)</b>  X
	<b>7d. Email Address</b>  msteve@nexussystems.net

<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  08-14-2012
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**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 Fiber construction for the original route is essentially complete with the exception of changes in a pending program modification. Co-location buildings have been placed with battery and generator installations. Power permits and work orders have been issued for these sites. Fiber transmission equipment and router/switch equipment has been delivered and extensive network configuration and testing has been completed. Nexus Systems and the Department of Transportation have initiated a partnership to provide much better interconnection points and services to critical anchor institutions in the North end of the project with the addition of 120 miles of DOT dark fiber. This program modification along with a re-designation of the interconnection point at the South end of the project have been submitted to the Program Office for review. Multiple critical anchor institutions are being fiber-connected to the backbone route at this time including schools, public safety and hospital sites. Additional negotiations are underway with multiple providers for wholesale agreements.

**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	76	Percentage completion is based on federal funds expended. Significant construction has been completed with electrical and utility installations in progress at four co-location and/or repeater sites. The termination at Pineville has not been completed with this site being redesignated as a anchor facility instead of an end point. A program modification request has been submitted to terminate the south end of the network at the AT&T Central Office in Alexandria. Engineering and environmental work is being done at this time to complete this south interconnection point. The same program modification provides for changes at the north end of the project to allow interconnections at Monroe and Shreveport. The primary construction plan is on schedule and all construction including requested program modification will be completed within grant guidelines.
2b.	Environmental Assessment	95	Environmental assessment is completed on primary route. Requested program modification may require re-opening environmental for additional review.
2c.	Network Design	95	Network design is substantially completed. Changes due to requested program modification will not require significant design changes.
2d.	Rights of Way	95	Right of way permits for primary route are complete. Requested program modification may require additional permit for river crossing. All State highway right of way permits are provided where needed for requested program modification.
2e.	Construction Permits and Other Approvals	95	Construction permits for primary route are complete. Requested program modification may require additional permit for river crossing.
2f.	Site Preparation	95	Construction for power, fencing and generator placement is underway. Delays have been encountered due to external utility construction to the sites.
2g.	Equipment Procurement	95	Fiber and router/switch equipment has been received and is in testing.
2h.	Network Build (all components - owned, leased, IRU, etc)	90	Requested program modification will require additional network build elements as noted above.
2i.	Equipment Deployment	75	Generator and battery equipment is in place at field sites. Fiber transmission and router switch equipment is being configured for deployment in the next quarter.
2j.	Network Testing	50	Physical layer testing of the fiber is underway at this time.
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).**

Fiber placement is complete with splice points completed except for the end points North (Vienna) and South (Huey P Long Hospital). The only significant challenges for construction during the quarter have been longer than anticipated power utility permits. For the overall project, the challenge has been to implement better interconnection facilities at the North and South ends of the project. The original design included interconnection points to the Board of Regents ("LONI") network at the North and South ends of the Piney Woods construction build. Due to the State Board of Regents BTOP grant being cancelled, the North and South ends will not be afforded the interconnections assumed in the original design. The State Department of Transportation (DOT) has worked closely with Nexus Systems to assist the project. A program modification request has been submitted to implement changes at the North and South ends of the project to provide viable interconnection paths. Assistance from BTOP for speedy review of the requested program modification would be helpful.

**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	120	Construction of the original 120 miles is completed with testing underway at this time. Additional construction is anticipated in the pending requested program modification.
New network miles leased	0	N/A - No leasing is currently in the project. Note the pending program modification will incorporate approximately 120 miles of DOT dark fiber in a cooperative endeavor arrangement to increase the total fiber deployment.
Existing network miles upgraded	0	N/A - No existing network mileage is projected in the plan.
Existing network miles leased	0	N/A - No existing network mileage is projected in the plan.
Number of miles of new fiber (aerial or underground)	120	Original construction in the Piney Woods project.
Number of new wireless links	0	Two wireless links are planned for next quarter. Three wireless links were planned in the original design, but one will be eliminated with the pending project modification.
Number of new towers	0	N/A - No new towers projected in the plan.
Number of new and/or upgraded interconnection points	0	Multiple additional interconnection points will be added with the pending project modification.

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	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
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:**  
 We do not have any signed agreements at this point in the project. We have initial contact with five providers for whom we are providing network maps and seeking negotiations at this time.

**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:**

Wholesale agreements and related pricing plans have not been established at this point.

**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).**  
 N/A - There is no planned third party to operate the network.

**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	Network not available for subscribers due to construction in progress.
	Providers with signed agreements receiving improved access	0	Network not available for subscribers due to construction in progress.
	Providers with signed agreements receiving access to dark fiber	0	Network not available for subscribers due to construction in progress.
Community Anchor Institutions (including Government institutions)	Please identify the speed tiers that are available and the number of subscribers for each	0	Network not available for subscribers due to construction in progress.
	Total subscribers served	35	Network not available for subscribers due to construction in progress. Anchor institutions in Lincoln, Jackson, Winn, and Grant parishes have been connected or upgraded in segments of the network.
	Subscribers receiving new access	14	Libraries in Lincoln, Bienville, Winn received new service
	Subscribers receiving improved access	21	Schools in Lincoln, Jackson, Winn received upgraded service.
Residential / Households	Please identify the speed tiers that are available and the number of subscribers for each	3	Libraries received 20 Mbps, Schools received 100 Mbps and 1000 Mbps service.
	Entities passed	0	Network not available for subscribers due to construction in progress.
	Total subscribers served	0	Network not available for subscribers due to construction in progress.
	Subscribers receiving new access	0	Network not available for subscribers due to construction in progress.
	Subscribers receiving improved access	0	Network not available for subscribers due to construction in progress.
Businesses	Please identify the speed tiers that are available and the number of subscribers for each	0	Network not available for subscribers due to construction in progress.
	Entities passed	0	Network not available for subscribers due to construction in progress.
	Total subscribers served	0	Network not available for subscribers due to construction in progress.
	Subscribers receiving new access	0	Network not available for subscribers due to construction in progress.
	Subscribers receiving improved access	0	Network not available for subscribers due to construction in progress.

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

N/A - No special offerings are planned at this time.

**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 - Network management practices have not changed during the quarter.

**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	Network not available for subscribers due to construction in progress.

**Project Indicators (Next Quarter)**

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

Completion of all segments or the original fiber build necessary to pass light on the network from Pineville to Vienna is planned for the next quarter. This will include completion of the physical layer elements of fiber testing and equipment placement, but also network elements of fiber transmission equipment and network routing design and testing. Installation of the Taqua T7000 series switch has been accomplished and initial service to last mile customers is expected to begin. Nexus has negotiated a cooperative endeavor agreement with the Louisiana State Department of Transportation (DOT) to incorporate approximately 120 miles of existing DOT dark fiber into the project which will allow fiber to certain critical anchor institutions in lieu of original planned microwave extensions. A project modification for this purpose has been submitted with expectation of change orders during the next quarter. The modification will essentially double the planned fiber mileage but remain within the original budget. The project modification will also include a request to change the point of presence termination at Pineville to the AT&T central office at Alexandria in order to allow greater connectivity for Nexus and broadband providers. Engineering and environmental review is underway and expected to be completed during the next quarter. The additional mileage is not expected to be completed during the next quarter (September 2012), but is expected to be completed within the following quarter (December 2012) pending environmental review. Ongoing work will be to connect critical anchor institutions and negotiating with wholesale and last mile providers. Nexus has been contacted by multiple providers seeking services with providers seeking agreements after fiber is lighted. At this time, we are estimating there will be zero wholesale/last mile providers connected as of end of Quarter 3, 2012. Field work for connecting critical anchor institutions has been completed for many sites with late-Summer conversion slated for a number of educational and governmental sites. As of end of Quarter 2, 2012, 39 CAI sites have been connected or upgraded with an additional 35 slated for connection in Quarter 3, 2012. These critical anchor sites are expected to be completed during the Summer overlapping into the third 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	86	Project is on schedule for original planned completion. Project modifications noted above may extend final completion date, but will not impede services schedules.
2b.	Environmental Assessment	95	Original environmental review is complete. Additional environmental review may be required due to project modification being requested. The percent complete is noted at 100% based on the original project but proposed project modification may require additional environmental review.
2c.	Network Design	95	Original network design is complete with minor modifications due to proposed project modification.
2d.	Rights of Way	100	Rights of way secured for original design and planned project modification.

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2e.	Construction Permits and Other Approvals	95	Permits secured for original design. Note proposed project modification will require permits from Core of Engineers and Levy Board.
2f.	Site Preparation	95	Original site preparation will be completed. Minor additions due to planned project modification may be required.
2g.	Equipment Procurement	95	Original equipment procurement is completed. Equipment additions due to planned project modification will be required.
2h.	Network Build (all components - owned, leased, IRU, etc.)	90	Original fiber network build will be completed. Planned project modification may require some network build modifications. The additions will incorporate approximately 120 miles additional fiber to the network. These additions have been presented for approval through a project modification during the next quarter.
2i.	Equipment Deployment	95	Original equipment deployment will be completed. Planned project modification will require additional equipment deployment.
2j.	Network Testing	90	Final network testing of all components will be extended due to additions from planned project modification.
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).**

The pending project modification will require an environmental review primarily for crossing the Red River in Alexandria. Nexus is going forward with engineering and environmental consulting but any assistance from BTOP to identify requirements would be helpful. The construction in the proposed changes for the North will not be significant but construction at the Red River in the South end will require coordination with the Core of Engineers and the Rapides Parish Levy Board.

**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.	\$1,642,500	\$1,005,000	\$637,500	\$1,443,830	\$1,094,263	\$349,567	\$1,500,000	\$1,094,263	\$405,737
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$1,165,999	\$0	\$1,165,999	\$1,234,018	\$144,293	\$1,089,725	\$1,244,293	\$144,293	\$1,100,000
e. Other architectural and engineering fees	\$570,000	\$570,000	\$0	\$258,888	\$258,888	\$0	\$340,000	\$340,000	\$0
f. Project inspection fees	\$150,000	\$0	\$150,000	\$127,714	\$0	\$127,714	\$150,000	\$0	\$150,000
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	\$7,004,505	\$1,035,600	\$5,968,905	\$5,133,870	\$776,090	\$4,357,780	\$6,000,000	\$1,035,600	\$4,964,400
j. Equipment	\$1,810,980	\$570,000	\$1,240,980	\$1,162,206	\$403,047	\$759,159	\$1,403,047	\$403,047	\$1,000,000
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$12,343,984	\$3,180,600	\$9,163,384	\$9,360,526	\$2,676,581	\$6,683,945	\$10,637,340	\$3,017,203	\$7,620,137
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$12,343,984	\$3,180,600	\$9,163,384	\$9,360,526	\$2,676,581	\$6,683,945	\$10,637,340	\$3,017,203	\$7,620,137

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