

**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>  NT10BIX5570135	<b>3. DUNS Number</b>  961890741
<b>4. Recipient Organization</b>  Information Technology, Maryland Department of 45 Calvert Street, Annapolis, MD 21401-1994		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  12-31-2012	<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>  Gregory Urban  Deputy State CIO	<b>7c. Telephone (area code, number and extension)</b>  4102607279	
	<b>7d. Email Address</b>  gregory.urban@doit.state.md.us	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  02-25-2013	

**Project Indicators (This Quarter)**

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

The project is in full construction mode in every county in the state of Maryland.

Of the planned 1360 route miles, 100% of the miles have been awarded, engineered, and submitted to permitting agencies. Permits have been received for over 1185 route miles or 87% of the route total.

Aerial attachment agreements have been executed with the 9 utility pole owners throughout the state. Make ready work has begun on 305 miles of the 318 mile planned aerial route. Of that total, 177 miles have been completed and installed with fiber.

Of the total 1042 planned underground miles, 897 miles of conduit have been installed or 86% of the total underground mileage. Of that total, 822 miles of fiber have been installed, representing 79% of our total underground mileage.

Construction has been completed in 4 counties: Caroline Co, Calvert Co, Charles Co., and Talbot Co.

Construction is in full swing in the remaining 19 counties and 1 City: Anne Arundel Co, Allegany Co, Baltimore Co, Baltimore City, Carroll Co, Cecil Co, Fredrick Co, Dorchester Co, Garrett Co, Harford Co, Howard Co, Kent Co, Montgomery Co, Prince George's Co, Queen Anne's Co, Saint Mary's Co, Somerset Co, Washington Co, Wicomico Co, and Worcester Co.

Overall, 999 miles of fiber have been deployed out of the planned 1360 route miles, or 73% of the total. Additionally 294 Community Anchor Institutions (CAIs) sites have been connected out of 1006 CAIs (cumulative).

**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	73	\$115,310,820.00 is being reported, 74% was planned. Please see details below for explanation.
2b.	Environmental Assessment	100	Milestone Completed.
2c.	Network Design	79	Planned was 91%. 100% of the route total has been fully engineered, and is being permitted or in construction. Network logical designs are being completed in conjunction with construction.
2d.	Rights of Way	87	Planned was 91%. 100% of the route has been submitted to the permitting agencies. Now that engineering phase of the project has come to a close, we expect all permits will be received next quarter.
2e.	Construction Permits and Other Approvals	87	Planned was 91%. 100% of the route has been submitted to the permitting agencies. Now that engineering phase of the project has come to a close, we expect all permits will be received next quarter.
2f.	Site Preparation	77	Planned was 81%. Of the 14 Huts that were ordered in December 2011, 10 have been successfully installed on their sites as of the end of 4Q 2012. Three Huts that were scheduled for 4Q 2012 are now to be installed during Q1 2013. In all three cases, easement delays caused the Hut installation schedule to slip into the first quarter.
2g.	Equipment Procurement	34	Planned was 70%. A total of \$9,968,741 is reported as spent for equipment. We anticipate this figure to increase significantly during our Q2 2013 reporting period.
2h.	Network Build (all components - owned, leased, IRU, etc)	73	Planned was 70%. Currently construction is occurring in 20 Jurisdictions. Four Jurisdictions have been completed.
2i.	Equipment Deployment	28	Planned was 70%. A significant amount of equipment has been received in our warehouses but not yet deployed. We expect significant deployment in the next quarter.
2j.	Network Testing	29	Planned was 61%. As buildout of the network occurs, network testing will follow equipment deployment.
2k.	Other (please specify): Administration	52	Planned was 81%. We continue to find efficiencies in our program management allowing us to contain overhead cost.

**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 past quarter saw tremendous progress in fiber installation, both aerial & underground, as well as a rapid increase in the rate of CAI connections. However, we faced and overcame challenges in the following areas:

1. Weather-related delays: The impact of Hurricane Sandy resulted in a three week delay in our construction production as widespread damage to aerial infrastructure, both locally and regionally, pulled utility crews off of the project make ready work and were redirected for storm repairs. Additionally, heavy snow in Western Maryland halted all operations for 2 weeks.

However we have recovered the schedule since the overall winter weather pattern has been favorable, allowing us to continue construction at a time when we anticipated a lull in construction due to winter.

2. Holiday season delays: Road lane closures for state and municipal construction were significantly limited during the holidays.

However, we were ahead of schedule in obtaining agreements for gas pipeline crossings, railroad crossings, and municipal permits, mitigating holiday delays.

**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	999	Planned was 815.
New network miles leased	0	N/A
Existing network miles upgraded	254	This mileage represents the MdBC & DoIT in kind fiber contribution to the project.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	999	Planned was 815.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	21	37 interconnection points were planned. The build-out has not yet reached most of the planned 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	
Number of signed agreements with broadband wholesalers or last mile providers	11
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	42
Average term of signed agreements (in quarters)	24

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

ISPs (6 circuits): AboveNet (3 circuits), Atlantic Broadband, Bay Country Communications, FiberLight

Utilities (2 circuits): Easton Utilities (2 circuits)

Cooperatives (2 circuit): Eastern Shore of Virginia Broadband (2 circuit)

Broadstripe (1 circuits): Agreement for dark fiber signed with Anne Arundel County to provide last mile services to approximately 600 unserved residences

**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:**

N/A

**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).**

N/A

**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	N/A
	Providers with signed agreements receiving improved access	10	Currently we have signed 10 agreements with wholesalers receiving improved access
	Providers with signed agreements receiving access to dark fiber	1	Planned was 4. At least 1 agreement is being negotiated.
	Please identify the speed tiers that are available and the number of subscribers for each	11	We can offer services between 10Mgps and 40Gbps, of the 11 signed agreement(s) the speed tiers are as follows: 9= 1G 2= 10G
Community Anchor Institutions (including Government institutions)	Total subscribers served	294	Planned was 594. Now that construction is actively ongoing in all 24 counties, the number of subscribers served will increase during the next reporting quarters.
	Subscribers receiving new access	294	Planned was 594. Now that construction is actively ongoing in all 24 jurisdictions, the number of subscribers served will increase during the next reporting quarters.
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number or subscribers for each	294	293- CAIs at 1GB 1-CAI at 100 Mbps
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

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	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
Prince Fredrick Library	Calvert County	Libraries	No	1GB of high-speed Internet access will improve Internet accessibility
District Court Building	Calvert County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
South Carroll Senior Center (NEW)	Calvert County	Other Community Support Organization	No	1GB of high-speed Internet access will improve Internet accessibility
Child Abuse Center	Baltimore City	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
E-23 T-2 M-1 BC-6 R-1 AF-1	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-47	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-53	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Western District Police Precinct	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-57	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-58	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-36	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Hazmat Bldg.	Baltimore City	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications

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
Port Towns Elementary School	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Rogers Heights Elementary School	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Robert Gray Elementary School	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bladesnburg Elementary School	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bladensburg Town Hall	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bladensburg Fire/EMS Station 809	Prince Georges County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Hampstead Fire Department	Carroll County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Small Crossing Pumping Station	Carroll County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Pleasant Valley Water Treatment Plant	Carroll County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Detention Center	Harford County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Fallston Branch	Harford County	Libraries	No	1GB of high-speed Internet access will improve educational instruction
Fallston Parks & Rec (WIC, Security, Catholic Charities & Health Dept.)	Harford County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Forest Lakes Elementary School	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Jarrettsville Branch	Harford County	Libraries	No	1GB of high-speed Internet access will improve educational instruction
Youth's Benifet Elementary	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
E-14	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-41 BC-1	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Department of Aging	Frederick County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Brunswick Volunteer Fire Co.	Frederick County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
College of Southern MD Prince Frederick	Calvert County	Community Colleges	No	1GB of high-speed Internet access will improve educational instruction
CALVERT PINES SENIOR CENTER	Calvert County	Other Community Support Organization	No	1GB of high-speed Internet access will improve Internet accessibility

SHA	Calvert County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
COMPANY 6 HUNTINGTOWN VFDRS	Calvert County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Sunderland State Tower	Calvert County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Calvert County Backup 911 Center	Calvert County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
COMPANY 2 PRINCE FREDERICK VFD	Calvert County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
COMPANY 4 PRINCE FREDERICK VRS	Calvert County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Calvert County Adult Education	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Huntingtown Elementary School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Huntingtown High School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Plum Point Elementary School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Plum Point Middle School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Barstow Elementary School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Calvert Career Center	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Calvert Country School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Calvert County Public Schools	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Calvert Elementary School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Calvert High School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Calvert Middle School	Calvert County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Denton MSC / CNH	Caroline County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
North Caroline High School	Caroline County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Police Department - Brunswick	Frederick County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
#08 Myersville Volunteer Fire Co.	Frederick County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Braddock Heights Volunteer Fire Co.	Frederick County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Prince Fredrick State Tower	Calvert County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Colonel Richardson High School	Caroline County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
SHA District 2 Headquarters	Kent County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Kent County 911 Center	Kent County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination

Kent County Backup 911 Center	Kent County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Kent County High School	Kent County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Maryland State Police Troop X	Somerset County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
J.M. Tawes Technology & Career Center	Somerset County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Somerset Intermediate School	Somerset County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
#03 United Steam Fire Engine Co.	Frederick County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Dynard Elementary School	St. Mary's County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bethune Technical School	St. Mary's County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
MVA	Charles County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Somerset County Backup 911 Center	Somerset County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
DPSCS	Garrett County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Garrett County Courthouse	Garrett County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
State's Attorney's Office	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Register of Wills	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Department of General Services	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Purchasing Department	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Clerks Office	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Garrett County Commissioners	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Department of Finance	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Economic Development	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Planning and Land Development	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
MD Assessment Office	Garrett County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Dennett Road Elementary School	Garrett County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Brunswick Ambulance Co.	Frederick County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination



<b>Courthouse</b>	<b>Frederick County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Maryland State Police Troop E</b>	<b>Wicomico County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Wicomico County 911 Center</b>	<b>Wicomico County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Wicomico County Backup 911 Center</b>	<b>Wicomico County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Maryland State Police Troop S</b>	<b>Queen Anne's County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Queen Anne's County 911 Center</b>	<b>Queen Anne's County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>SHA Tower Centerville</b>	<b>Queen Anne's County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Queen Anne's County Department of Public Works</b>	<b>Queen Anne's County</b>	<b>Other Government Facilities</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications</b>
<b>SHA Maintenance Facility</b>	<b>Queen Anne's County</b>	<b>Other Government Facilities</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications</b>
<b>Queen Anne's High School</b>	<b>Queen Anne's County</b>	<b>Schools (K-12)</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>Centerville Middle School</b>	<b>Queen Anne's County</b>	<b>Schools (K-12)</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>Chesapeake City Library</b>	<b>Cecil County</b>	<b>Libraries</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>Chesapeake City Tower</b>	<b>Cecil County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Bohemia Manor Middle School</b>	<b>Cecil County</b>	<b>Schools (K-12)</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>Chesapeake City Elementary School</b>	<b>Cecil County</b>	<b>Schools (K-12)</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>Bohemia Manor High School</b>	<b>Cecil County</b>	<b>Schools (K-12)</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>College of Southern MD Leonardtown</b>	<b>St. Mary's County</b>	<b>Community Colleges</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve educational instruction</b>
<b>Circuit Court</b>	<b>St. Mary's County</b>	<b>Other Government Facilities</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications</b>
<b>DHMH</b>	<b>St. Mary's County</b>	<b>Other Government Facilities</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications</b>
<b>MSDE</b>	<b>St. Mary's County</b>	<b>Other Government Facilities</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications</b>
<b>MVA</b>	<b>St. Mary's County</b>	<b>Other Government Facilities</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications</b>
<b>DPSCS</b>	<b>St. Mary's County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Leonardtown MSC</b>	<b>St. Mary's County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>
<b>Maryland State Police Troop T</b>	<b>St. Mary's County</b>	<b>Public Safety Entity</b>	<b>No</b>	<b>1GB of high-speed Internet access will improve safety coordination</b>

St Mary's County Backup 911 Center	St. Mary's County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Leonardtwn Elementary	St. Mary's County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Annapolis Fire Station	Anapolis County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
E-2	Baltimore City	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Hampstead Elementary School	Carroll County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Shiloh Middle School	Carroll County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Hampstead Town Hall	Carroll County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Hampstead Police Department	Carroll County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Hampstead Waste Water Treatment Plant	Carroll County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Roberts Field Pumping Station	Carroll County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Spring Garden Elementary School	Carroll County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mt. Airy Library	Carroll County	Libraries	No	1GB of high-speed Internet access will improve educational instruction
NEW Public Library Headquarters	Carroll County	Libraries	No	1GB of high-speed Internet access will improve educational instruction
Mt. Airy Senior Center	Carroll County	Other Community Support Organization	No	1GB of high-speed Internet access will improve Internet accessibility
Mt. Airy Fire Department	Carroll County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Parrs Ridge Elementary School	Carroll County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mt. Airy Elementary School	Carroll County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mt. Airy Middle School	Carroll County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Abington Elementary School	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Jarrettsville Elementary School	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Patterson High/Middle	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Ring Factory Elementary School	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
William James Elementary School	Harford County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction

Bunker Hill Fire/EMS Station 855	Prince Georges County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Thomas S. Stone	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mt Rainier Elementary School	Prince Georges County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
AscendOne Building	Howard County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Alpha Ridge Public Safety Training Center	Howard County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Cooksville Radio Facility	Howard County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
General Hospital Radio Facility	Howard County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Ridge Road Facility	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bethany Fire Station	Howard County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Clarksville Fire Station	Howard County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
West Friendship Fire Station	Howard County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Hollifield Station Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Marriotts Ridge High School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mount Hebron High School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mount view Middle School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Patapsco Middle School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
St. Johns La. Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Waverly Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bladensburg Bus Lot Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bushy Park Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Howard County Fairgrounds	Howard County	Other Government Facilities	No	1GB of high-speed Internet access will improve intergovernmental and intragovernmental communications
Glenwood Fire Station	Howard County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Glenwood Library	Howard County	Libraries	No	1GB of high-speed Internet access will improve educational instruction
Glenwood Middle School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Lisbon Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction

LLisbon Fire Station	Howard County	Public Safety Entity	No	1GB of high-speed Internet access will improve safety coordination
Oakland Mills Middle School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Bryant Woods Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Harper's Choice Middle School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Howard Community College	Howard County	Community Colleges	No	1GB of high-speed Internet access will improve educational instruction
Longfellow Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Wilde Lake High School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Wilde Lake Middle School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Swansfield Elementary School	Howard County	Schools (K-12)	No	1GB of high-speed Internet access will improve educational instruction
Mt. Airy College Center	Carroll County	Other Institution of Higher Education	No	1GB of high-speed Internet access will improve educational instruction

**Project Indicators (Next Quarter)**

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

The following are our projected indicators for the next reporting quarter.

• Aerial Utility permitting:

100% of aerial make ready payments will have been made to the utility companies. We expect to receive all pole attachment licenses during the next reporting quarter. The utility companies include; Baltimore Gas and Electric (BGE), Verizon, Potomac Edison, Delmarva Power, PEPCO, Hagerstown Light, Berlin Electric, and Choptank Electric.

• Environmental:

We've been receiving permits from the US Army Corps of Engineers (USACE) and Maryland Department of Environment (MDE) for tidal and non-tidal wetlands crossings. All tidal crossing permitting is completed. Non-tidal wetland permitting will continue throughout the construction phase.

• Rail Road Crossings:

We have executed licensing agreements with all railroad companies; CSX, Maryland & Delaware Rail Road, Maryland Midland Rail Ways, Bay Coast Rail Road, Amtrak, George's Creek, and Metropolitan Transit Authority (MTA), Norfolk Southern Corporation. We will continue to receive the encroachment agreements with the various Maryland Operating Rail Systems owners.

We expect to have executed 57 of 60 total required railroad agreements by the end of the next quarter, as shown in the table below:

	Total Crossings	Submitted	Received	Completed
Amtrak	6	6	6	6
Bay Coast	2	2	2	2
CSX	32	32	32	29
George's Creek	5	5	5	5
Norfolk Southern	1	1	1	1
Maryland Delaware	2	2	2	2
Maryland Midland	4	4	4	4
MTA	8	8	8	8
TOTALS	60	60	60	57

Fiber Procurement:

- Fiber procurement will be completed in Q1-2013.

Construction will be completed in 7 counties: Caroline Co, Calvert Co, Charles Co., Harford Co., Somerset Co., Talbot Co. Wicomico Co.

Construction will continue in the remaining 16 counties and 1 City: Anne Arundel Co, Allegany Co, Baltimore Co, Baltimore City,

Carroll Co, Cecil Co, Fredrick Co, Dorchester Co, Garrett Co, Howard Co, Kent Co, Montgomery Co, Prince George's Co, Queen Anne's Co, Saint Mary's Co, Washington Co, and Worcester Co.

Key project Indicators:

- a. New network miles deployed= 1,200
- b. New network miles leased= 0
- c. Total CAI subscribers served (CAIs connected)= 600
- d. Number of signed agreements with broadband wholesalers or last mile providers= 12

**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	84	Planned is 79%
2b.	Environmental Assessment	100	Milestone is at a 100% (Completed)
2c.	Network Design	86	Planned is 95%, logical network design is taking longer than anticipated since we must coordinate with 23 different networks.
2d.	Rights of Way	95	Planned is 95%
2e.	Construction Permits and Other Approvals	95	Planned is 95%
2f.	Site Preparation	85	Planned is 87% Three Huts that were scheduled for 4Q 2012 are now to be installed during Q1 2013. In all three cases, easement delays caused the Hut installation schedule to slip into the first quarter.
2g.	Equipment Procurement	52	Our projection indicates that we would have procured over \$8M of equipment during the next reporting quarter.
2h.	Network Build (all components - owned, leased, IRU, etc.)	73	Planned is 74%, The network build component will increase steadily as construction continues current high rates of production.
2i.	Equipment Deployment	52	Planned is 70%, Network architecture designs are ongoing. Equipment deployment will maintain pace with the network design and build.
2j.	Network Testing	37	Planned is 70% Network testing will lag other metrics due to the need to have contiguous fiber paths and CAI/POP connections, which will not occur until later in the project.
2k.	Other (please specify): Administration	55	We continue to find efficiencies in our program management allowing us to contain overhead cost.

**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).**

1. Weather-related delays - Severe winter weather will significantly slow down progress for extended periods of time. Additionally, snow and ice storms can cause damage to existing infrastructure, requiring utility make ready construction resources to be diverted to making utility infrastructure repairs.
2. Utility pole make-ready construction – while now representing a relatively small portion of the project, we anticipate there may be ongoing challenges with utility pole owners completing make-ready work on schedule. This make-ready work must be completed prior to aerial fiber construction. The make ready work is performed by the utility rather than our own contractors. We are concerned about potential labor strikes.
3. Final amendments to the Environmental Assessment – As the construction begins to ramp down and certain design decisions finalized, we anticipate the need for a minor amendment to the Program's Environmental Assessment to cover any remaining changes. Timely responses from the various environmental authorities that will be consulted, as well as a timely approval by the NTIA will be necessary to minimize any delays to this final phase of construction.
4. Hut Installation - We have experienced significant difficulties in obtaining an acceptable easements from private and public sector partners. We are going to conclude easement discussions with the Counties in February. If we obtain positive results, we will have

RECIPIENT NAME:Information Technology, Maryland Department of

AWARD NUMBER: NT10BIX5570135

DATE: 02/25/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

the fourteenth hut installed on County property in Q2 2013. If discussions with the County fail, we have a back-up location that will also be able to be completed in Q2 2013.

### 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	\$12,479,100	\$7,394,000	\$5,085,100	\$6,465,196	\$3,213,737	\$3,251,459	\$6,868,273	\$3,416,727	\$3,451,546
b. Land, structures, right-of-ways, appraisals, etc.	\$1,350,000	\$0	\$1,350,000	\$935,972	\$0	\$935,972	\$1,053,965	\$0	\$1,053,965
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$15,550,369	\$5,039,020	\$10,511,349	\$6,290,079	\$0	\$6,290,079	\$7,372,122	\$0	\$7,372,122
e. Other architectural and engineering fees	\$6,109,850	\$2,869,099	\$3,240,751	\$7,685,095	\$2,086,681	\$5,598,414	\$7,814,195	\$2,142,763	\$5,671,432
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	\$93,402,141	\$18,671,661	\$74,730,480	\$83,965,737	\$22,141,818	\$61,823,919	\$93,964,986	\$27,120,905	\$66,844,081
j. Equipment	\$29,211,582	\$8,888,681	\$20,322,901	\$9,968,741	\$3,457,705	\$6,511,036	\$15,206,802	\$4,136,249	\$11,070,553
k. Miscellaneous	\$313,479	\$313,479	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$158,416,521	\$43,175,940	\$115,240,581	\$115,310,820	\$30,899,941	\$84,410,879	\$132,280,343	\$36,816,644	\$95,463,699
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$158,416,521	\$43,175,940	\$115,240,581	\$115,310,820	\$30,899,941	\$84,410,879	\$132,280,343	\$36,816,644	\$95,463,699

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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