

**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>  NT10BIX5570096	<b>3. DUNS Number</b>  789438293
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<b>4. Recipient Organization</b>  Virgin Islands Public Finance Authority 32-33 Kongens Gade, St. Thomas, VI 00802-0430
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<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
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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>  Vicki Johnson	<b>7c. Telephone (area code, number and extension)</b>  3407141635
	<b>7d. Email Address</b>  vjohnson@usvipfa.com

<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  02-28-2013
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**Project Indicators (This Quarter)**

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

The Virgin Islands Public Finance Authority (VIPFA)/Virgin Islands Next Generation Network (viNGN) team continued to make progress with its network build out during Quarter 4, Calendar Year (CY) 2012.

During Quarter 4, CY 2012, VIPFA/viNGN began the trenching for fiber optic installation on St. Thomas and St. Croix. Work began simultaneously on both islands, starting November 12th. The trenching work is divided into four segments (two on St. Thomas and two on St. Croix). These trenches will be the backbone for the fiber optic lines throughout a major portion of each island.

VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012. Trenching was hampered by the holiday season, spanning from November through the end of the quarter. VIPFA/viNGN plans to complete the remaining 39 miles of trenching operations with four trenching teams operating simultaneously.

VIPFA/viNGN also selected contractors for aerial and underground hardware supply and installation services for the fiber optic cables for the entire network. The team expects to finalize contract negotiations and begin installation of these materials, including fiber pulling, during Quarter 1, CY 2013, with the first phase being pulled through the existing conduit and on existing poles for which VIPFA/viNGN received rights to access through an agreement with the U.S. Virgin Islands Water and Power Authority (WAPA). VIPFA/viNGN plans to install 46.6 miles of aerial construction on St. Thomas and St. John combined and 36.6 miles on St. Croix.

In addition to the fiber optic cables being placed on poles and underground through existing conduit, access to which was provided by WAPA, and through new conduit that was purchased under the grant, fiber will be pulled and spliced through underground traffic-rated vaults, rather than through large concrete bunker-styled manholes, in order to speed up the network build, to reduce costs and to reduce the environmental impact from placing them underground. VIPFA/viNGN selected a contractor to supply traffic-rated vaults during Quarter 4, CY 2012.

The construction of three Fiber Access Points (FAPs) is complete. The Super FAP construction on St. Croix is 100% complete, with only testing of the backup equipment remaining. The Super FAP was constructed in the town of Frederiksted, St. Croix and is the main FAP on that island. which is near to the Global Crossing/Level 3 network operations center for the U.S. Virgin Islands. On St. Thomas, the Super FAP construction is 100% complete and is located at the U.S. Virgin Islands Emergency Management Agency (VITEMA)'s main operations center and administrative offices for the U.S. Virgin Islands and is also very near the airport. Electrical and telephone connections and security systems were also installed. This Super FAP is the main FAP on St. Thomas. The two Super FAPs will be the access points for the AT&T Sonnet OC-48 connection between St. Thomas and St. Croix. In addition, through the Super FAP in Frederiksted, St. Croix, viNGN will connect through Global Crossing/Level 3 to Miami, Florida and New York, New York. A second FAP construction on St. Croix is also 100%. It is located near the U.S. Virgin Islands Department of Public Works (DPW)-Queens Crossing location on St. Croix. This FAP serves one of the largest clusters of Community Anchor Institutions (CAIs) and Public Computer Centers (PCCs). For example, the U.S. Virgin Islands Department of Public Works, the Girls Scouts, the U.S. Virgin Islands Department of Labor, the U.S. Virgin Islands Department of Education's warehouse and the islands only Youth Rehabilitation Center (YRC) are located near the DPW-Queens Crossing FAP.

VIPFA/viNGN also received proposals/bids for the construction of two additional FAPs; FAP DC power/batteries and installations; FAP air conditioning (AC) and installations; and, network operating software and systems (OSS/BSS). One contractor was selected for installing transfer switches and backup generators for the remaining FAPs to be constructed. Another contractor was selected for installing racks in the FAPs, including the Super FAPs on St. Thomas and St. Croix, for which construction was completed during Quarter 3, CY 2012.

Further, during Quarter 4, CY 2012, VIPFA/viNGN hired a new Field Coordinator, based on St. Thomas, in order to aid in implementing and monitoring program activities on St. Thomas.

**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)

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a. Overall Project		35	<p>Please refer to the response to Question 1 above. The VIPFA/viNGN team is confident that the network will be built out by the deadline of July 31, 2013. The team has implemented a recovery plan to address the delays experienced in the construction schedule through Quarter 4, CY 2012.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited largely due to the impact of the holiday season during November 2012 and December 2012. Trenching occurred on St. Thomas and St. Croix. VIPFA/viNGN plans to complete the remaining 39 miles, with four trenching teams operating simultaneously, two on St. Thomas and two on St. Croix.</p> <p>Construction of three FAPs is completed. One is a Super FAP on St. Thomas; another is a Super FAP on St. Croix, and the third one is a regular FAP on St. Croix. Final details, such as adding permanent power, security systems and telephone service, were added during Quarter 4, CY 2012.</p> <p>In addition, key project goals were completed for the island of St. John. Site visits were conducted with property owners on St. John to confirm/re-confirm FAP sites. After the site visits, viNGN conducted land surveys, and the FAPs were finally sited and are ready for the construction bidding process.</p> <p>VIPFA/viNGN plans to move aggressively to complete the build-out during the next two quarters. All construction contracts are expected to be executed by the end of Quarter 1, CY 2013, and underground construction with fiber pulling will begin during Quarter 1, CY 2013 and will conclude prior to the end of the grant award period, i.e. July 31, 2013. These activities will be executed concurrently on both St. Thomas and St. Croix.</p> <p>The VIPFA/viNGN team will continue to engage in active oversight of all project activities to assess construction status against the revised project plan/ schedule. Construction performance will be measured against the key milestones in the revised schedule, in order to ensure the close monitoring of construction activities.</p>
2b. Environmental Assessment		96	<p>An addendum to the Phase 1 Archaeological Survey was completed to address ten FAP relocations. The report detailed changes, based on the relocation of the FAPs. The impact of the proposed relocations on the natural and human environments is reported as minor. The projected changes are minor in nature, and although they do include changes in earth moving activities, all represent equivalent impact or in several cases even a reduction of impact.</p> <p>No potentially significant cultural resources were identified during the Phase I Archaeological Survey for the Fiber Access Point locations on both islands. From the archaeological perspective, it was recommended that the State Historic Preservation Office issues a conditioned finding of no objection to the proposed construction activities.</p> <p>The VIPFA/viNGN team continues to monitor its construction site during the build-out process for any endangered species that viNGN or its contractors might encounter, such as the Ameiva polops, Epicrates monensis granti, and Eretmochelys imbricata. To date, viNGN and its contractors have not encountered any of the above species and their habitat on any of the construction sites.</p>

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
	2c. Network Design	98	<p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday seasons during November 2012 and December 2012. VIPFA/viNGN plans to complete the remaining 39 miles of trenching, with four trenching teams operating simultaneously.</p> <p>As part of the network design, VIPFA/viNGN will add an "express route" to provide unhindered 10 gigabyte bandwidth to the farthest reaches of the islands. For example, an express route will be constructed from the Super FAP location to the farthest located FAP. Thus providing bandwidth to CAIs (Community Anchor Institutions) and ISP (Internet Service Providers) that might be located great distances from the Super FAP.</p> <p>VIPFA/viNGN is in the process of revising the logical network design and finalizing and adjusting network routing protocol. This process has increased/balanced the network to accommodate physical design changes that were implemented during Quarter 3, CY 2012. In addition, VIPFA/viNGN is updating fiber splicing and distribution maps which will be used for vendors. These will map out express routes.</p>
	2d. Rights of Way	91	<p>VIPFA/viNGN team has an agreement with the U.S. Virgin Islands Department of Public Works (DPW) for the trenching of four segments of highway, two on St. Thomas and St. Croix. During the fourth quarter, VIPFA/viNGN began trenching on both St. Croix and St. Thomas.</p> <p>VIPFA/viNGN continues to work with the U.S. Virgin Islands Department of Planning and Natural Resources (DPNR) to ensure that VIPFA/viNGN's permits are updated and in compliance with the previous permits issued. The team also engaged with the State Historic Preservation Office and current land owners to ensure that FAPs are constructed within the approved rights of way.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday seasons during November 2012 and December 2012. VIPFA/viNGN expects to trench the remaining 39 miles, with four trenching teams operating simultaneously.</p>
	2e. Construction Permits and Other Approvals	96	<p>VIPFA/viNGN continues to work with the local Planning and Natural Resources Department to ensure that VIPFA/viNGN's permits are updated and in compliance with the previous permits issued. The team also engaged with the State Historic Preservation office and current land owners to ensure that FAPs are constructed within the approved right of way.</p> <p>During Quarter 4, CY 2012, VIPFA/viNGN received seventeen (17) building permits for FAP construction. VIPFA/viNGN anticipates that all building permits for FAP construction will be issued by the end of Quarter 1, CY 2013.</p>

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2f.	Site Preparation	35	<p>VIPFA/viNGN and its contractors continue to assess the roads on which trenching work is being and will be performed. Traffic patterns, road construction and other potential obstructions that may cause unsafe conditions or impact work progress have been noted. VIPFA/viNGN and its contractors also made contact with existing contractors to secure plans of on-going construction and to discuss procedures and methods so that both construction teams will have limited impact on the work of the other.</p> <p>For example, on Dorothea/Route 33 road on St. Thomas, the U.S. Virgin Islands Department of Public Works (DPW) is doing a bridge repair that is in the path of the underground fiber placement. A coordination meeting was conducted. As a result, VIPFA/viNGN and its contractor skipped this section of road to return at a later date when DPW's contractor is nearer to completion.</p> <p>At a predetermined point prior to construction, VIPFA/viNGN and its contractors marked out the location of an underground drainage culvert that is in the path of trench work to be undertaken. VIPFA/viNGN also identified critical locations for traffic vault placements.</p> <p>As part of a daily site preparation for trenching, the Project Manager and the Construction Supervisor review the traffic control plan; review the MUTCD (Manual for Uniform Traffic Control Devices); implement dust control measures, such as sprinkling the work area with water; and, install traffic control measures, such as stop lights or flag men, as deemed necessary.</p> <p>As part of the FAP site preparation measures, silt barriers, fencing, and land clearing were executed to ensure a smooth transition into the construction process.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday seasons during November 2012 and December 2012. VIPFA/viNGN expects to trench the remaining 39 miles, with four trenching teams operating simultaneously.</p>
2g.	Equipment Procurement	94	<p>VIPFA/viNGN team is currently over performing against the Baseline Milestone and exceeds the target that was set at 90% completion for the projected percent for Quarter 4, CY 2012.</p> <p>During Quarter 4, CY 2012, VIPFA/viNGN and its contractors decided to install underground fiber optic conduits on all four segments of the project. With the aim to reduce traffic interference, conduits were installed without traffic vaults. This allows the manufacturer ample time for vault construction. The vaults are expected to arrive during Quarter 2, CY 2013.</p> <p>Some miscellaneous items were procured during Quarter 4, CY 2012, such as couplings, spacers, adapters, cable racks and supports. All fiber optic cable, other major equipment, and conduit were purchased during prior quarters.</p>

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2h.	<b>Network Build (all components - owned, leased, IRU, etc)</b>	21	<p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday seasons during November 2012 and December 2012. VIPFA/viNGN expects to trench the remaining 39 miles with four trenching teams operating simultaneously.</p> <p>VIPFA/viNGN plans to install 46.6 miles of aerial construction on St. Thomas and St. John combined and 36.6 miles on St. Croix.</p> <p>VIPFA/viNGN installed an ASR 9006 (Core Aggregation Services Router) at the Level (3) collocation facility in Miami. The ASR 9006 in Miami is 100% installed, is powered up and has been tested.</p> <p>Currently, AT&amp;T has a collocation connection point at its facility on St. Thomas. VIPFA/viNGN will install an hand hole near the AT&amp;T collocation facility and run aerial fiber optics to its Super FAP location. Similarly, on St. Croix, VIPFA/viNGN will construct a hand hole near AT&amp;T's facility and run underground fiber optic to its Super FAP location. This will create redundancy in the network system, that will allow VIPFA/viNGN to offer middle service to its customers prior to the completion of its network build out.</p>
2i.	<b>Equipment Deployment</b>	2	<p>Under performance against the Baseline Indicator is due to the fact that VIPFA/viNGN has not completed the build-out of the network segments that will enable the team to provide improved access to providers. By the end of Quarter 4, CY 2012, trenching began on St. Thomas and St. Croix, the two SuperFAPS were constructed, and one additional FAP was constructed. As the FAP construction is completed, as the Community Anchor Institutions are connected and as all backbone node equipment is installed, the team will be positioned to come in line with the Baseline Indicator targets.</p> <p>At the Global Crossing/Level 3 facility in Miami, the ASR 9006 installation process is complete. It is 100% installed, power up and tested.</p>
2j.	<b>Network Testing</b>	20	<p>No fiber optic testing was done during the Quarter 4, CY 2012. The aerial installation contractor will begin testing of the fiber optic reel at the warehouse location prior to installation during Quarter 1, CY 2013.</p> <p>Network testing will be ongoing in alignment with equipment purchases and network build out. The initial alpha testing of the network's core gateway routers in a lab environment was completed during Quarter 4, CY 2011. Testing was also completed from Proof of Design from the NAPs (Network Access Point) to the Super FAPs to Community Anchor Institutions (CAIs). No testing was carried out during Quarter 4, CY 2012; however, with the purchase of a large portion of the network management equipment during Quarter 1, CY 2012 and the completion of the Super FAP construction during Quarter 3, CY 2012, final testing and staging for placement of the routers and switches will begin during late Quarter 1, CY 2013. Once connection of the FAPs is complete, the routers and switches will be installed and will await final activation through the fiber to bring the network on line.</p>
2k.	<b>Other (please specify):</b>	0	<p>The VIPFA/viNGN team continues to make progress towards meeting the Baseline Milestone targets. The progress outlined in Item #1 above and total expenditures incurred to date document the achievements made by the new management team during a very short period of time, despite facing some delays in the implementation. Significant progress is expected during the next two quarters.</p>

**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).**

Though the VIPFA/viNGN team remains confident that its network will be built-out by June/July 2013, despite the delays it has experienced to date. The team will continue to work closely with the assigned BTOP program team members to identify ways to speed up the implementation. Discussions will include the experiences from other BTOP grantees that have experienced and/or are experiencing delays in implementation but have identified or developed ways to speed up the infrastructure build.

Further, BTOP program team members and VIPFA/viNGN team members plan to coordinate a discussion/discussions with the National Telecommunication and Information Administration (NTIA)'s Director of Minority Telecom Development.

VIPFA/viNGN continues to develop its new management and project implementation team. The new team has made significant progress towards assessing the current state of project implementation, including contract negotiations and procurement activities; understanding the technological requirements of the network to be built; re-engaging with key architectural and engineering contractors and key partners; restarting the build out/leasing of the network; conducting testing of its high-speed Carrier Ethernet network and the required network management equipment; coordinating with local government authorities and its key partner, the U.S. Virgin Islands Water and Power Authority (WAPA); gaining a more in depth understanding of its four BTOP programs, including the approved grant and local match budgets, the implementation schedules, the approved applications and the grant award agreements for each; and training a full complement of new staff.

The team is overcoming delays experienced to date by coordinating with its contractors to work on accelerated schedules and to identify and create ways to speed up project activities. For example, instead of issuing RFPs for individual FAPs, viNGN will issue RFPs for a bundle of FAPs. This will also include any guidance that is received from BTOP program and grant management team members.

**4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).**

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	0	<p>The VIPFA/viNGN team remains confident that its network will be built-out by July 2013, despite the delays it has experienced to date.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012. VIPFA/viNGN expects to trench the remaining 39 miles of trenching operations with four trenching teams operating simultaneously.</p> <p>Traffic rated vaults are being constructed for installation during the trench work on both St. Thomas and St. Croix, in order to speed up the network build out, to reduce costs and to reduce the environmental impact of installing large, bunker-type concrete manholes. In addition, VIPFA/viNGN procured approximately 30,000 linear feet of PVC conduit for underground fiber optic installation.</p> <p>Some miscellaneous items procured include couplings, spacers, adapters, cable racks and supports. VIPFA/viNGN also procured 51 reels (408,000 linear feet) of inner duct for St. Thomas and St. Croix.</p> <p>In addition, the construction of three FAPs was completed by the end of Quarter 4, CY 2012, and construction of the remaining FAPs is expected to begin during Quarter 1, CY 2013. Further, a large portion of the network management equipment has been procured and will be prepared for staging and testing for placement once the FAPs are completed.</p>

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
		<p>The contracts for the aerial fiber pulling and splicing were issued during Quarter 4, CY 2012, with the contract for the St. Thomas/ St. John portion of the network fully executed during Quarter 4, CY 2012. The contract for the St. Croix portion of the network is expected to be executed during early Quarter 1, CY 2013, and the aerial fiber installation on the three islands is scheduled to begin in March, CY 2013.</p> <p>The VIPFA/viNGN team will coordinate with contractors to safely work on accelerated schedules and actively identify and create ways to speed up the implementation of construction activities to close the gap against the Baseline during CY 2013.</p>
<b>New network miles leased</b>	3,353	<p>VIPFA/viNGN team is currently over performing against the Baseline Indicator for Quarter 4, CY 2013, and in fact, exceeds the Baseline Indicator targets that were set through Quarter 4, CY 2012 of the project due to the successful negotiation of a fifteen (15) year Indefeasible Right of Use (IRU) and co-location agreements for New York City and Miami with Global Crossing/ Level 3 during Quarter 4, CY 2011/early Quarter 1, CY 2012.</p> <p>The lease agreement with AT&amp;T for the SONET OC-48 to connect St. Thomas and St. Croix was executed during Quarter 2, CY 2012. Preliminary work is being done to facilitate the final connection and activation of the SONET OC-48.</p> <p>No additional miles have been leased.</p>
<b>Existing network miles upgraded</b>	0	<p>Existing backbone fiber remains the same as single-mode (long range backbone fiber). This fiber exists in viNGN's warehouse on both islands, St. Thomas and St. Croix, for deployment during aerial installations. This includes backbone fiber and distribution fiber which range from 288 to 12 fiber strand count. All fiber optic cable required to complete the network build out arrived by Quarter 3, CY 2012.</p> <p>IVIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012 and installed new conduit, in order to run new fiber optic cable. VIPFA/viNGN expects to trench the remaining 39 miles with four trenching teams operating simultaneously.</p>
<b>Existing network miles leased</b>	0	N/A
<b>Number of miles of new fiber (aerial or underground)</b>	0	<p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012 and installed new conduit, in order to run new fiber optic cable. VIPFA/viNGN expects to trench the remaining 39 miles and install new conduit for new fiber installation with four trenching teams operating simultaneously.</p> <p>The VIPFA/viNGN team selected contractors for aerial construction for fiber optic line installation on St. Thomas, St. John, Water Island and St. Croix. This includes 44.6 miles of aerial plant construction on St. Thomas, St. John and Water Island combined. As a result, there will be 235,426 ft. of aerial placement of cables. In addition, VIPFA/viNGN will install 80,000 ft. of High Density Polyethylene (HDPE) into existing conduit and 260,000 ft. of fiber optic cable into newly-placed underground conduit. This placement includes 105,000 ft. of fabric innerduct inside of newly-placed conduit.</p> <p>On the island of St. Croix, VIPFA/viNGN will install 36.6 miles of aerial plant. As a result, there will be 193,241 ft. of aerial</p>

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
		placement of cables. In addition, VIPFA/viNGN will install 130,000 ft. of High Density Polyethylene (HDPE) into existing conduit and 300,000 ft. of fiber optic cable into newly-placed underground conduit. This placement includes 130,000 ft. of fabric innerduct inside of newly-placed conduit.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	0	<p>The VIPFA/viNGN team remains confident that its network will be built-out by July 2013, despite the delays it has experienced to date.</p> <p>The team already purchased a significant portion of the core backbone fiber (288 fiber strand count) required for its network during Quarter 2, CY 2012, and it is currently warehousing it on St. Thomas and St. Croix to ensure that it is immediately available for deployment. During Quarter 3, CY 2012, the team received the remainder of its fiber needs.</p> <p>A large portion of the network management equipment has been procured and will be prepared for testing and staging for placement once the FAPs are completed.</p> <p>The VIPFA/viNGN team will coordinate with contractors to work on accelerated schedules and actively identify and create ways to speed up the implementation and to improve the coordination of construction activities to close the gap against the Baseline during CY 2013.</p>

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:

VIPFA/viNGN has no wholesale service contracts, as a result there are no signed agreements to provide services to broadband wholesalers.

In the interim, VIPFA/viNGN is purchasing wholesale service from Global Crossing/Level 3 and AT&T. The lease agreement with AT&T for the SONET OC-48 was signed during Quarter 2, CY 2012. VIPFA/viNGN has not signed any agreements with retail service providers/last mile providers; however, the team continues to engage the local community of anchor tenants and last mile providers in discussions. These conversations have been conducted on an individual basis, as well as under the aegis of the Broadband Coalition. Broadband Coalition meetings and technical conferences are designed to support a range of market research activities and to solicit direct feedback as VIPFA/viNGN formulates its range of products, prices, terms and conditions for the services and products to be offered. Based on discussions held to date with last mile providers, viNGN has received indications of interest to enter into agreements.

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:

VIPFA/viNGN plans to build out a high speed, open access, fiber optic network infrastructure which will provide Ethernet transport for service providers and, by extension, to Community Anchor Institutions / anchor tenants territory-wide. VIPFA/viNGN's goal is to serve as a Middle Mile provider, and the only service the viNGN team anticipates providing is wholesale broadband. This operational model

is reinforced by viNGN's enabling legislation. The main goal of this build out is to provide reliable, affordable broadband services to ISPs and other service providers throughout the Territory. The viNGN management team believes that giving access to relatively inexpensive, reliable bandwidth to ISPs and other retail service providers will help to increase GDP (Gross Domestic Product) growth by, in turn, giving commercial and residential consumers inexpensive, reliable broadband access. The infrastructure will be deployed to ISPs, other last mile providers and Community Anchor Institutions / anchor tenants (such as government departments and agencies, non-profit organizations, educational institutions, public safety entities, healthcare delivery providers, and other key community stakeholders), many of which are located in economically distressed areas. The team is currently testing its network and conducting market research to define its menu of service and product offerings; thus, it is unable to share specific pricing plans at this time.

**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).**

NOT APPLICABLE

**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	0	Refer to the response to Section 5b above in this report.  Under performance against this Baseline Indicator is due to the fact that the VIPFA/viNGN team has not completed the build-out of the network segments that will enable viNGN to provide improved access to providers; however, as the FAP construction is completed during the remaining quarters, the team will be positioned to come in line with the Baseline Indicator targets.  The VIPFA/viNGN team will coordinate with contractors to work on accelerated schedules and actively identify and create ways to speed up the implementation and to improve the coordination of construction activities to close the gap against the Baseline. Performance against the Baseline is expected to improve during Quarter 1, CY 2013 and be in line with the Baseline by the end of Quarter 2, CY 2013.
	Providers with signed agreements receiving access to dark fiber	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	Until the network build is completed and tested, viNGN will not be able to accurately identify the speeds that will be available; however, speed tiers to last mile providers and broadband wholesalers are anticipated at four levels - Tier 1 providers are expected to receive 10Gbps; Tier 2 providers are expected to receive 1Gbps; Tier 3 and Tier 4 providers are expected to receive 5,000 Mbps. At this time, viNGN estimates that it will service two (2) providers at Tier 1, two (2) providers at Tier 2, two (2) providers at Tier 3 and one (1) provider at Tier 4.
Community Anchor Institutions (including Government institutions)	Total subscribers served	0	Refer to the response to Section 5b above in this report.  Under performance against this Baseline Indicator is due to the fact that the VIPFA/viNGN team has not completed the build-out of the network segments that will enable viNGN to provide improved access to providers; however, as the FAP construction is completed during the remaining quarters, the team will be positioned to come in line with the Baseline Indicator targets.  The VIPFA/viNGN team will coordinate with contractors to work on accelerated schedules and actively identify and create ways to speed up the implementation and to improve the coordination of construction activities to close the gap against the Baseline. Performance against the Baseline is expected to improve during

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
			Quarter 1, CY 2013 and be in line with the Baseline by the end of Quarter 2, CY 2013.
	<b>Subscribers receiving new access</b>	0	<p>Refer to the response to Section 5b above in this report.</p> <p>Under performance against this Baseline Indicator is due to the fact that the VIPFA/viNGN team has not completed the build-out of the network segments that will enable viNGN to provide improved access to providers; however, as the FAP construction is completed during the remaining quarters, the team will be positioned to come in line with the Baseline Indicator targets.</p> <p>The VIPFA/viNGN team will coordinate with contractors to work on accelerated schedules and actively identify and create ways to speed up the implementation and to improve the coordination of construction activities to close the gap against the Baseline. Performance against the Baseline is expected to improve during Quarter 1, CY 2013 and be in line with the Baseline by the end of Quarter 2, CY 2013.</p>
	<b>Subscribers receiving improved access</b>	0	<p>Refer to the response to Section 5b above in this report.</p> <p>Under performance against this Baseline Indicator is due to the fact that the VIPFA/viNGN team has not completed the build-out of the network segments that will enable viNGN to provide improved access to providers; however, as the FAP construction is completed during the remaining quarters, the team will be positioned to come in line with the Baseline Indicator targets.</p> <p>The VIPFA/viNGN team will coordinate with contractors to work on accelerated schedules and actively identify and create ways to speed up the implementation and to improve the coordination of construction activities to close the gap against the Baseline. Performance against the Baseline is expected to improve during Quarter 1, CY 2013 and be in line with the Baseline by the end of Quarter 2, CY 2013.</p>
	<b>Please identify the speed tiers that are available and the number or subscribers for each</b>	0	<p>Until the network build is completed and tested, viNGN will not be able to accurately identify the speeds that will be available; however, speed tiers to last mile providers and broadband wholesalers are anticipated at four levels - Tier 1 providers are expected to receive 10Gbps; Tier 2 providers are expected to receive 1Gbps; Tier 3 and Tier 4 providers are expected to receive 5,000 Mbps. At this time, viNGN estimates that it will service two (2) providers at Tier 1, two (2) providers at Tier 2, two (2) providers at Tier 3 and one (1) provider at Tier 4.</p>
<b>Residential / Households</b>	<b>Entities passed</b>	0	N/A
	<b>Total subscribers served</b>	0	N/A
	<b>Subscribers receiving new access</b>	0	N/A
	<b>Subscribers receiving improved access</b>	0	N/A
	<b>Please identify the speed tiers that are available and the number of subscribers for each</b>	0	N/A
<b>Businesses</b>	<b>Entities passed</b>	0	N/A
	<b>Total subscribers served</b>	0	N/A
	<b>Subscribers receiving new access</b>	0	N/A
	<b>Subscribers receiving improved access</b>	0	N/A

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

Any special offerings will be determined, based upon the results of market research on optimal pricing and the optimal range of services to be offered. At this time, there is no special offering being proposed.

**8a. Have your network management practices changed over the last quarter?**  Yes  No

**8b. If so, please describe the changes (300 words or less).**

NOT APPLICABLE

**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
NONE THIS QUARTER	None this quarter	None this quarter	No	None this quarter

**Project Indicators (Next Quarter)**

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

The VIPFA/viNGN team plans to accomplish the following during Quarter 1, CY 2013:

Estimate Miles Deployed for Quarter 1 CY, 2013	Activities
16.4	St. Thomas Underground Backbone
17.7	St. Croix Underground Backbone
12.2	St. Croix Aerial Fiber Installation
14.9	St. Thomas, St. John & Water Island Aerial Fiber Installation
14.8	St. Croix Lateral Drop Aerial
9.5	St. Croix Lateral Drop pulled through underground
0.2	Direct Bury Lateral Drop Underground St. Croix
15.8	St. Thomas, St. John & Water Island Lateral Drop Aerial
3.5	St. Thomas Lateral Drop pulled through underground
0.6	Direct Bury Lateral Drop Underground St. Thomas, St. John & Water Island
105.6	Total Deployed Miles

VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday seasons during November 2012 and December 2012. VIPFA/viNGN expects to trench the remaining 39 miles with four trenching teams operating simultaneously, two on St. Thomas and two on St. Croix. In addition, VIPFA/viNGN plans to connect its first two CAIs and enter into the first agreement with a last mile provider, likely for off-island internet transit and possibly for CAI pass-through buys, all during late Quarter 1, CY 2013/early Quarter 2, CY 2013.

- VIPFA/viNGN anticipates the installation of two CAIs by the end of Quarter 1, CY 2013. As noted in the Project Indicators (5b), this will be accomplished, using wholesale services purchased from Global Crossing/Level 3 and AT&T;

- VIPFA/viNGN has no signed agreements to provide services to broadband wholesalers. VIPFA/viNGN is purchasing wholesale service from Global Crossing/Level 3 and AT&T. The lease agreement with AT&T for the SONET OC-48 was signed during Quarter 2,

CY 2012. VIPFA/viNGN has also not signed any agreements with retail service providers/last mile providers; however, the team continues to engage the local community of anchor tenants and last mile providers in discussions. These conversations have been conducted on an individual basis, as well as under the aegis of the Broadband Coalition. Broadband Coalition meetings and technical conferences are designed to support a range of market research activities and to solicit direct feedback as VIPFA/viNGN formulates its range of products, prices, terms and conditions for the services and products to be offered. Based on discussions held to date with last mile providers, viNGN has received indications of interest to enter into agreements;

- Release all remaining solicitations for FAP construction and begin construction on the additional FAPs;
- Continue to coordinate with contractors to work on accelerated schedules and actively identify and create ways to speed up the implementation and to improve the coordination of construction activities to close the gap against the Baseline during CY 2013; Discussions will also include construction status against the implementation schedule and overall contract terms, approaches to accelerate construction activities and impediments to accelerating progress in the construction schedule;
- Continue to assess the project implementation schedule and the network design to identify ways to speed up the build-out and "lighting up" of the network; to reduce network construction and operational costs, including maintenance costs;
- Put in place a contract for inspectors to monitor construction quality during the build-out process on all four islands (St. Thomas, St. Croix, St. John and Water Island);
- Obtain any permits needed due to approved changes;
- Obtain additional environmental assessments and archaeological studies, as needed;
- Participate in Broadband Coalition meetings with Community Anchor Institutions, future viNGN customers and other stakeholders to discuss the status of the network build and to provide updates on the anticipated service offerings and pricing schedule;
- Notify and enter into contract with the selected bidder for the supply of AC/DC power; and
- Issue Letters of Award and Notices to Proceed to selected bidders to supply the generators, racking equipment and related installation work for all FAPs.

**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	40	<p>By the end of Quarter 4, CY 2012, VIPFA/viNGN constructed a total of three FAPs and intends to begin the construction of additional FAPs during Quarter 1, CY 2013. Additional progress is expected during Quarter 1, CY 2013.</p> <p>At the end of Quarter 4, CY 2012, the VIPFA/viNGN team worked to finalize construction service contracts for the construction of eight (8) additional FAPs, six on St. Thomas and two on St. Croix. During Quarter 1, CY 2013, VIPFA/viNGN expects to execute contracts for the construction of these FAPs. With the signing of these contracts, the team will be on aggressive schedule with most of its construction activities in process.</p> <p>The contractors for the aerial fiber pulling and splicing were selected during Quarter 4, CY 2012. As a result, VIPFA/viNGN and its contractors expect to begin aerial fiber installation during Quarter 1, CY 2013. With work initiated under these contracts, the team will be engaged in an aggressive schedule of activities to include aerial fiber pulling and underground fiber installation during Quarter 1, CY 2013 and Quarter 2, CY 2013.</p> <p>The team will coordinate with contractors to work safely on accelerating the schedule. Also, the team will proceed to initiate and conclude procurements and realign its construction schedule to include parallel construction activities.</p>

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2b.	Environmental Assessment	96	<p>There is no variance from the Baseline Milestone target.</p> <p>An addendum to the Phase 1 Archaeological Survey and an addendum to the Environmental Assessment were completed to address ten FAP relocations. During Quarter 1, CY 2013, VIPFA/viNGN will submit the official request to NTIA and NOAA to relocate the ten FAPs, based on the results of the addendum to the Archeological Survey and the Environmental Assessment, both of which identified no significant impact, and in some cases, lesser impact.</p> <p>No potentially significant archeological resources were identified during the Phase I Archaeological Survey for the Fiber Access Point locations on both islands either. Thus, from the archaeological perspective, it was recommended that the State Historic Preservation Office issues a conditioned finding of no objection to the proposed construction activities.</p> <p>The VIPFA/viNGN team continues to monitor its construction site during the build-out process for any endangered species that viNGN or its contractors might encounter, such as the Ameiva polops, Epicrates monensis granti, and Eretmochelys imbricata. To date, viNGN and its contractors have not encountered any of the above species and their habitat on any of the construction sites.</p>
2c.	Network Design	100	<p>There are no variances from the Baseline Milestone target.</p>
2d.	Rights of Way	95	<p>Additional progress is expected during Quarter 1, CY 2013, as additional Rights of Way are obtained for the locations of a few FAPs on semi-autonomous government agency properties. The majority of real estate included in the construction footprint for the trench work, FAP construction, traffic-rated vault/ manhole placement, etc. is owned by the Government of the U.S. Virgin Islands (GVI).</p> <p>The VIPFA/viNGN team has an agreement with the U.S. Virgin Islands Department of Public Works for the trenching of four segments of highway, two on St. Thomas and St. Croix. During Quarter 4, CY 2012, VIPFA/viNGN began trenching on both islands, St. Croix and St. Thomas.</p> <p>VIPFA/viNGN will continue to work with the U.S. Virgin Islands Department of Planning and Natural Resources to ensure that VIPFA/viNGN's permits are updated and in compliance with the previous permits issued. The team will also engage with the State Historic Preservation office and current land owners to also insure that FAPs are constructed in the approved right of way.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday season from November 2012 through December 2012. VIPFA/viNGN expects to trench the remaining 39 miles with four trenching team operating simultaneously on St. Thomas and St. Croix, understanding that official holiday celebrations will continue through the second week of January 2013 throughout the U.S. Virgin Islands.</p>
2e.	Construction Permits and Other Approvals	96	<p>VIPFA/viNGN will continue to work with the local Planning and Natural Resources Department to ensure that VIPFA/viNGN permits are updated and in compliance with the previous permits issued. The team will also continue to engage with the State Historic Preservation office and current land owners to ensure that FAPs are constructed in the approved rights of way.</p> <p>During Quarter 4, CY 2012, VIPFA/viNGN received seventeen (17) building permits for FAP construction. VIPFA/viNGN is anticipating that all remaining building permits for FAP construction will be issued by the end of Quarter 1, CY 2013.</p>

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2f.	Site Preparation	81	<p>During the first half of Quarter 1, CY 2013, the VIPFA/viNGN project team will continue to conduct site visits to formalize installation procedures for aerial fiber installation; to identify impediments, such as tree branches, sagging power lines, etc.; and to work to address these issues.</p> <p>In preparation for the remaining FAP construction, site visits will be conducted with construction contractors to identify lay down areas, traffic patterns and any other safety concerns applicable to the particular project site. This will include participation with the current land custodians in vetting any concerns that may be of significance to the completion of the project.</p> <p>Silt barriers, fencing, and land clearing measures will be implemented to ensure a smooth transition into the construction process for all future FAPs.</p> <p>VIPFA/viNGN and its contractors will continue to assess the roads on which trench work will be performed. Traffic patterns, road construction and other potential obstructions that may cause unsafe conditions or impact work progress will be noted. VIPFA/viNGN and its contractors also made contact and will continue to make contact with existing contractors to secure plans of on-going construction and to discuss procedures and methods so that all construction teams will have limited impact on the work of the other construction.</p> <p>As part of a daily site preparation for trenching, the Project Manager and the Construction Supervisor will review the traffic control plan; review the MUTCD (Manual for Uniform Traffic Control Devices); implement dust control measures, such as sprinkling the work area with water; and install traffic control measures, such as stop lights or flag men, as deemed necessary.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012 and expects to trench the remaining 39 miles with four trenching teams operating simultaneously.</p>
2g.	Equipment Procurement	94	<p>VIPFA/viNGN and its contractors will continue to install underground fiber optic conduits on all four segments of the project. With the aim to reduce traffic interference, conduits will be installed without traffic vaults. Further, aerial installation will begin, and FAP construction and equipping will continue. Traffic-rated vaults are expected to be installed, beginning late Quarter 1, CY 2013/ Quarter 2, CY 2013.</p>
2h.	Network Build (all components - owned, leased, IRU, etc.)	25	<p>By the end of Quarter 4, CY 2012, VIPFA/viNGN completed a total of three FAPs. The construction of additional FAPs will begin during Quarter 1, CY 2013. Once the other FAPs are built, the routers and switches will be installed to await final connection to the aerial or underground fiber to bring the network on line.</p> <p>VIPFA/viNGN trenched approximately 7 miles during Quarter 4, CY 2012, which was limited due to the impact of the holiday seasons during November 2012 and December 2012. VIPFA/viNGN expects to trench the remaining 39 miles with four trenching teams operating simultaneously, two on St. Thomas and two on St. Croix.</p> <p>VIPFA/viNGN also plans to begin the installation of the total 46.6 miles of aerial construction on St. Thomas and St. John and 36.6 miles on St. Croix.</p>
2i.	Equipment Deployment	11	<p>Under performance against the Baseline Indicator is due to the fact that VIPFA/viNGN has not completed the build-out of the network segments that will enable viNGN to provide improved access to providers. However, as the FAP construction is completed, the Community Anchor Institutions are connected and all backbone node equipment is installed, the team will be positioned to come in line with the Baseline Indicator targets.</p> <p>The lease agreement for the SONET OC-48 with AT&amp;T to connect St. Thomas and St. Croix was executed during Quarter 2, CY 2012, and a fifteen (15) year Indefeasible Right of Use (IRU) and collocation agreements for New York City and Miami were signed with Global Crossing/Level 3 during Quarter 4, CY 2011.</p> <p>At the Global Crossing/Level 3 facility in Miami, the ASR 9006 installation process is complete, with the ASR 9006 powered up and tested.</p>

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2j.	Network Testing	40	<p>During Quarter 1, CY 2013, the aerial installation contractors will begin testing of the fiber optic reels at the warehouse locations prior to installation.</p> <p>Network testing will be ongoing in alignment with equipment purchases and network build out. The initial alpha testing of the network's core gateway routers in a lab environment was completed during Quarter 4, CY 2011. Testing was also completed from Proof of Design from the NAPs (Network Access Point) to the Super FAPs to Community Anchor Institutions (CAIs). No testing was carried out during Quarter 4, CY 2012; however, with the purchase of a large portion of the network management equipment during Quarter 1, CY 2012 and the completion of the construction of the Super FAPs by Quarter 3, CY 2012, final testing and staging for placement of the routers and switches will begin during late Quarter 1, CY 2013. Once connection of the FAPs is complete, the routers and switches will be installed and will await final activation to the fiber to bring the network on line. During Quarter 2, CY 2013, the final testing and staging for placement of the routers and switches will begin.</p>
2k.	Other (please specify):	0	<p>The combination of the planned accomplishments, as outlined above, and the total expenditures anticipated through Quarter 1, CY 2013 document the new management team's commitment to continue to accelerate the implementation of the program, despite facing the challenges outlined in 3 below. Significant progress is expected during the next two quarters.</p>
<p><b>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).</b></p>			
<p>Though the VIPFA/viNGN team remains confident that its network will be built-out by July 2013, despite the delays it has experienced to date, the team will continue to work closely with the assigned BTOP program and grant team members to identify ways to speed up the implementation. Discussions will include the experiences from other BTOP grantees who have experienced and/or are experiencing delays in implementation but have identified or developed ways to speed up the infrastructure build.</p> <p>Further, BTOP program team members and VIPFA/viNGN team members plan to coordinate a discussion/discussions with the National Telecommunication and Information Administration (NTIA)'s Director of Minority Telecom Development.</p> <p>VIPFA/viNGN continues to build its new management and project implementation team. The new team has made significant progress towards assessing the current state of project implementation, including contract negotiations and procurement activities; understanding the technological requirements of the network to be built; re-engaging with key architectural and engineering contractors and key partners; restarting the build out/leasing of the network; coordinating with local government departments and agencies and its key partner, the U.S. Virgin Islands Water and Power Authority (WAPA); gaining a more in depth understanding of its four BTOP programs, including the approved grant and local match budgets, the implementation schedules, the approved applications and the grant award agreements for each; and, training a full complement of new staff. The team has begun efforts to hire additional personnel to operate the network. Training of network operations staff will be required.</p> <p>The VIPFA/viNGN team is overcoming the delays experienced to date by coordinating with its contractors to work on accelerated schedules and to identify and create ways to speed up project activities. This includes any guidance that is received from BTOP program team members.</p>			
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**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	\$450,000	\$0	\$450,000	\$507,829	\$0	\$507,829	\$507,829	\$0	\$507,829
b. Land, structures, right-of-ways, appraisals, etc.	\$1,500,108	\$0	\$1,500,108	\$68,726	\$0	\$68,726	\$101,226	\$0	\$101,226
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$4,153,932	\$500,000	\$3,653,932	\$2,820,454	\$340,317	\$2,480,137	\$3,291,114	\$340,317	\$2,950,797
e. Other architectural and engineering fees	\$280,320	\$0	\$280,320	\$271,364	\$0	\$271,364	\$314,351	\$0	\$314,351
f. Project inspection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
g. Site work	\$992,050	\$0	\$992,050	\$25,100	\$0	\$25,100	\$84,100	\$0	\$84,100
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$2,880,000	\$0	\$2,880,000	\$1,687,845	\$0	\$1,687,845	\$2,880,000	\$0	\$2,880,000
j. Equipment	\$66,838,777	\$28,886,379	\$37,952,398	\$25,119,267	\$15,232,764	\$9,886,503	\$27,585,529	\$15,232,764	\$12,352,765
k. Miscellaneous	\$11,179,661	\$0	\$11,179,661	\$755,414	\$0	\$755,414	\$855,500	\$0	\$855,500
<b>l. SUBTOTAL (add a through k)</b>	<b>\$88,274,848</b>	<b>\$29,386,379</b>	<b>\$58,888,469</b>	<b>\$31,255,999</b>	<b>\$15,573,081</b>	<b>\$15,682,918</b>	<b>\$35,619,649</b>	<b>\$15,573,081</b>	<b>\$20,046,568</b>
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	<b>\$88,274,848</b>	<b>\$29,386,379</b>	<b>\$58,888,469</b>	<b>\$31,255,999</b>	<b>\$15,573,081</b>	<b>\$15,682,918</b>	<b>\$35,619,649</b>	<b>\$15,573,081</b>	<b>\$20,046,568</b>

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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