

QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	2. Award Identification Number NT10BIX5570146	3. DUNS Number 142605331
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4. Recipient Organization SHO-ME Technologies, L.L.C. 301 W Jackson St., Marshfield, MO 65706-2128
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5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2012	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No
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7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.

7a. Typed or Printed Name and Title of Certifying Official Erica Lafferty	7c. Telephone (area code, number and extension) 4178592615
	7d. Email Address elafferty@shomepower.com

7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 02-11-2013
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Project Indicators (This Quarter)

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

a) Special Award Condition (SAC) accomplishments:

[i] Issuance, submittal and approval of American Recovery and Reinvestment Act (ARRA) Prime Recipient Report for 3rd Quarter 2012.

[ii] Issuance, submittal and approval of Federal Financial Report (FFR) Standard Form 425 (SF-425) for 3rd Quarter 2012.

[iii] Issuance, submittal and approval of Performance Progress Report (PPR) for 3rd Quarter 2012.

b) Overall Project Accomplishments:

[i] Fiber construction continued resulting in an additional 102 miles of fiber during the quarter, of which 20.5 miles of optical ground wire (OPGW) were hung on electrical transmission lines, bringing our new fiber construction total to 403 miles. An additional 107 miles of in-kind fiber was contributed to the BTOP Project. The progress in 4th Quarter 2012 brings overall BTOP Project total of underground and aerial fiber to 1,146 miles.

[ii] Completed splicing and testing of fiber on seven routes between Points of Presence (PoP) locations.

[iii] Sho-Me prepared and submitted an Award Action Request (AAR) in coordination with Sho-Me's FPO for a route modification to replace 12 original Community Anchor Institutions (CAIs) not yet constructed with 12 new CAIs along the middle-mile routes, change 500 feet of fiber construction method from underground to aerial, and consideration of existing collocations as alternative interconnect points. Sho-Me is awaiting approval of this AAR.

[iv] Fiber construction contractor completed the 63-mile "Hermann to Washington to Bem" underground fiber route.

[v] Fiber construction contractor continued the 28-mile build "Springfield to Bolivar" underground fiber route completing 28 miles of conduit. The route, including the fiber blow-in, will be completed in 1st Qtr 2013.

[vi] Fiber construction contractor continued the 29.65-mile build "Marshfield to Preston" underground fiber route completing 29.65 miles of conduit. The route, including fiber blow-in, will be completed in 1st Qtr 2013.

[vii] Secured all known and necessary permits for fiber construction routes within rights of way from federal, state and local agencies.

[viii] Successful Community Outreach continuing with ongoing participation in final sessions of the Regional Technology Planning Teams across Missouri which include citizens, policy makers, business, industry, higher education, schools, healthcare, Internet Service Providers to advance broadband demand and adoption, broadband service and infrastructure availability, within the 30-county project region. Ongoing media participation including live interviews on local radio stations and local newspapers feature articles covering fiber construction and local excitement of fiber availability coming to various communities. Weekly newsletter updates are posted to the "Sho-Me MO" project website and distributed via e-mail.

[ix] Ongoing PI/PD oversight, including compliance oversight, field inspections of construction throughout the project, biweekly team update meetings, ongoing Davis-Bacon Act SF-1445 labor standards interviews of construction crews by Sho-Me personnel and conference calls with FPO and BTOP Team. PI/PDs participated in BTOP webinars covering Federal Interest, Program Benefits and Reporting, Sustainability; Planning for Companies and Non-Profit Organizations, and Closeout.

[x] Procured and received security equipment for the 15 new telecommunications shelters. Installation of this equipment continued in 4th Quarter 2012.

[xi] As a MoBroadbandNow Partner Provider; Sho-Me Technologies completed and submitted the 3rd Qtr 2012 project tracking form as requested by the State of Missouri in accordance with its broadband initiative.

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	87	Below Baseline by 5% due to unforeseen fiber availability constraints from manufacturers in 2011, a longer than anticipated EA process, and because many costs have come in lower than anticipated thus far. Sho-Me anticipates it will meet baseline projections by 1st Quarter 2013.
2b.	Environmental Assessment	91	Below Baseline by 9% due to costs being lower than anticipated. A minimal amount of EA related work is possible in the future, thus the remaining budgeted amount may be expended at a future date.
2c.	Network Design	89	Below Baseline by 1% due to fewer engineering hours needed than anticipated.
2d.	Rights of Way	38	Below Baseline by 62% due to lower than anticipated rights of way costs. Sho-Me anticipates this category will remain under budget for the remainder of the project as rights of way costs continue to come in under budget.
2e.	Construction Permits and Other Approvals	80	Below Baseline by 20% due to costs being lower than anticipated. Sho-Me anticipates this category will remain under budget for the remainder of the project as permitting costs continue to come in under budget.
2f.	Site Preparation	100	No variance.
2g.	Equipment Procurement	79	Below Baseline by 21% due to lower than anticipated costs relating to DWDM equipment. Sho-Me anticipates this category will remain under budget for the remainder of the project due to lower than anticipated costs.
2h.	Network Build (all components - owned, leased, IRU, etc)	91	Above Baseline by 7% due to increased cost of construction.
2i.	Equipment Deployment	100	Above Baseline by 8% due to increased cost of innerduct.
2j.	Network Testing	0	Below Baseline by 84% because these expenses were moved to another category in Sho-Me's approved 2010 budget revision. Sho-Me will not use this baseline category for remainder of the project.
2k.	Other (please specify): Legal, Administrative, Pre-Award Expenses	75	Below Baseline by 17% due to legal and administrative costs being lower than anticipated. Sho-Me anticipates this category will remain under budget for the remainder of the project due to lower than anticipated costs.

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).

In early 2011, the Missouri Department of Transportation (MoDOT) announced closing 135 facilities and downsizing its staff size by 1,200 employees which may become a potential constraint on securing timely rights of way and permitting required for fiber route construction.

Sho-Me Technologies is anticipating the approval of its most recent Action Award Request (AAR) so that construction can begin on the 12 new CAIs and an aerial build that are part of this pending AAR. Sho-Me submitted the request in early December 2012 and not yet received approval as of this reporting date.

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	403	Below baseline of 500 due to unforeseen fiber availability constraints from manufacturers in 2011. However, in the face of this fiber shortage, Sho-Me persisted with continued underground construction. Crews have quickly progressed; resulting in an additional 102 miles of installed fiber during the quarter. Crews remain active; installing fiber into the new conduits to progress towards our baseline. Sho-Me anticipates catching up to baseline by 2nd Quarter 2013.

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles leased	0	N/A
Existing network miles upgraded	743	Below baseline of 757 due to unforeseen fiber availability constraints from manufacturers in 2011 which also offsets our ability to splice in-kind segments to pending new fiber builds. Ongoing testing of remaining in-kind fiber continues toward baseline goal of 880 miles. Sho-Me anticipates catching up to baseline by 2nd Quarter 2013.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	403	Below baseline of 500 due to unforeseen fiber availability constraints from manufacturers in 2011. However, in the face of this fiber shortage, Sho-Me persisted with continued underground construction and installed additional conduit during the quarter. Crews remain active; installing fiber into the new conduits to progress towards our baseline. Sho-Me anticipates catching up to baseline by 2nd Quarter 2013.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	26	Below baseline of 32 due to unforeseen fiber availability constraint from manufacturers in 2011. Sho-Me anticipates catching up to baseline by 2nd Quarter 2013.

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	7
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	33
Average term of signed agreements (in quarters)	12

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers: Missouri State Office of Administration, Missouri Research and Education Network, Missouri Office of State Courts Administrator, Jefferson City Medical Group, Missouri Wi-Fi, Mid-Missouri Broadband, Central Missouri Computer Services.

Negotiations with other additional providers are in process with no final determination at this time, however, commitments are likely nearer to the project completion date.

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:

Sho-Me MO project offers Dedicated Internet Access, Time Division Multiplexing (TDM) circuits available at line rates from T-1 to OC-48, native Ethernet products from 5 Mb/s to GigE, Optical Wave Services available in 2.5 Gb/s and 10 Gb/s line rates for express routes between Points of Presence.

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	5	Above plan due to more providers receiving new access than anticipated. Negotiations with other additional providers are in process with no final determination at this time, however, commitments are likely nearer to the project completion date.
	Providers with signed agreements receiving improved access	2	Below plan due to more providers receiving new access than anticipated. Negotiations with other additional providers are in process with no final determination at this time, however, commitments are likely nearer to the project completion date.
	Providers with signed agreements receiving access to dark fiber	0	No variance.
	Please identify the speed tiers that are available and the number of subscribers for each	7	5 Mbps (0); 10 Mbps (1); 20 Mbps (1); 40Mbps (1); 45Mbps (1); 50 Mbps (1); 100 Mbps (2); 200 Mbps (0); 500 Mbps (0); GigE (0); DS1 (0); DS3 (0); OC-3 (0); OC-12 (0); OC-48 (0); 2.5 Gbps (0); 10 Gbps (0)
Community Anchor Institutions (including Government institutions)	Total subscribers served	61	Below baseline by 18 due to unforeseen fiber availability constraints from manufacturers in 2011, however Sho-Me has received all fiber ordered for the project. CAI installations are underway to catch up toward baseline by 2nd Quarter 2013 if AAR for 12 new CAIs is approved by the Grants Office.
	Subscribers receiving new access	30	Above plan as more CAIs will actually be in the new vs. improved category and due to delay in the fiber, however, Sho-Me has received all fiber ordered for the project. CAI installations are underway to catch up to baseline by 2nd Quarter 2013 if AAR for 12 new CAIs is approved by the Grants Office.
	Subscribers receiving improved access	31	Below plan as more CAIs will actually be in the new vs. improved category and due to delay in fiber, however, Sho-Me has received all fiber ordered for the project. CAI installations are underway to catch up to baseline by 2nd Quarter 2013 if AAR for 12 new CAIs is approved by the Grants Office.
	Please identify the speed tiers that are available and the number or subscribers for each	7	5 Mbps (0); 10 Mbps (1); 20 Mbps (2); 50 Mbps (0); 100 Mbps (4); 200 Mbps (0); 500 Mbps (0); GigE (0); DS1 (0); DS3 (0); OC-3 (0); OC-12 (0); OC-48 (0); 2.5 Gbps (0); 10 Gbps (0)
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

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

None at this time.

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

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

N/A

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
Cole County Courthouse	Jefferson City	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for improved broadband service.
Jefferson City Correctional Center	Jefferson City	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Lincoln University	Jefferson City	Community Colleges	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Maries County Courthouse	Vienna	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Maries County R-I School District	Vienna	School (K-12)	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Missouri Department of Agriculture	Jefferson City	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Missouri Department of Health and Senior Services	Jefferson City	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Office of State Courts Administrator	Jefferson City	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
State of Missouri FMD&C	Jefferson City	Other Gov't Facility	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.
Vienna Police Department	Vienna	Public Safety	Yes	This institution is connected to BTOP funded infrastructure for new broadband service.

Project Indicators (Next Quarter)

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

Rights of Way: Expected to be secured as necessary for ongoing construction.

Construction Permits and Other Approvals: Expected to be secured as necessary for ongoing construction.

Equipment Procurement: Vendor/RFP/procurement activities will continue for next construction phase.

Network Build: Expect to continue installation of DWDM and Ethernet into PoP site shelters, as well as test, splice, light, and contribute additional miles of in-kind fiber to the project. Receiving and paying for construction invoices of Phase 3 and 4 through Q4 2013.

Equipment Deployment: Expect to connect the next wave of new CAIs after construction of fiber laterals. Continue negotiation of additional Interconnection Agreements.

Community Outreach: Campaign efforts continue with local media and will include participation with initiative partners for coordination of planned broadband development, accessibility and sustainability.

Sho-Me's planned project accomplishments through Q1 2013:

- New network miles deployed next quarter- 27 miles: bringing total new network miles to 430.
- New network miles leased next quarter - 0 miles (not planned).
- In-kind network miles upgraded - 50 miles: bringing total in-kind network miles to 793.
- Total CAI subscribers connected next quarter - 20 CAIs: bringing total CAIs to 81 CAIs.
- No additional signed agreements with broadband wholesalers or last mile providers are anticipated for next quarter. Total is expected to remain at 7 agreements.

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	97	Below Baseline by 2% due to unforeseen fiber availability constraints from manufacturers in 2011, a longer than anticipated EA process, and because many costs have come in lower than anticipated thus far. Sho-Me anticipates it will meet baseline projections by 2nd Quarter 2013.
2b.	Environmental Assessment	91	Below Baseline by 9% due to costs being lower than anticipated. A minimal amount of EA related work is possible in the future, thus the remaining budgeted amount may be expended at a future date.
2c.	Network Design	92	Below Baseline by 8% due to fewer engineering hours needed than anticipated.
2d.	Rights of Way	38	Below Baseline by 62% due to lower than anticipated rights of way costs. Sho-Me anticipates this category will remain under budget for the remainder of the project as rights of way costs continue to come in under budget.
2e.	Construction Permits and Other Approvals	80	Below Baseline by 20% due to costs being lower than anticipated. Sho-Me anticipates this category will remain under budget for the remainder of the project as permitting costs continue to come in under budget.
2f.	Site Preparation	100	No variance.
2g.	Equipment Procurement	87	Below Baseline by 13% due to lower than anticipated costs relating to DWDM equipment. Sho-Me anticipates this category will remain under budget for the remainder of the project due to lower than anticipated costs.
2h.	Network Build (all components - owned, leased, IRU, etc.)	100	Above Baseline by 3% due to construction costs being greater than anticipated.
2i.	Equipment Deployment	100	Above Baseline by 3% due to increased cost of innerduct.
2j.	Network Testing	0	Below Baseline by 97% because these expenses were moved to another category in Sho-Me's approved 2010 budget revision. Sho-Me will not use this baseline category for remainder of the project.
2k.	Other (please specify): Legal, Administrative, Pre-Award Expenses	81	Below Baseline by 19% due to legal and administrative costs being lower than anticipated. Sho-Me anticipates this category will remain under budget for the remainder of the project due to lower than anticipated costs.

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).

In early 2011, the Missouri Department of Transportation (MoDOT) announced closing 135 facilities and downsizing its staff size by 1,200 employees which may become a potential constraint on securing timely rights of way and permitting required for fiber route construction.

In previous quarters fiber availability was a concern. However, Sho-Me not longer believes fiber availability poses a threat to Sho-Me's project success.

Sho-Me Technologies is eagerly anticipating the approval of its most recent Action Award Request (AAR) so that construction can begin on the 12 new CAIs and the aerial build that are part of the pending AAR. Sho-Me submitted the request in early December 2012 and not yet received approval.

