

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 NT10BIX5570079	3. DUNS Number 096992656
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4. Recipient Organization

 Clackamas, County of 2051 Kaen Road, Oregon City, OR 97045-4088

5. Current Reporting Period End Date (MM/DD/YYYY) 03-31-2011	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 David DeVore Deputy Information Officer	7c. Telephone (area code, number and extension) 5037234996
	7d. Email Address DavidDev2co.clackamas.or.us

7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 05-16-2011
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Project Indicators (This Quarter)**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**

Primary activities this quarter concentrated on preparations for project construction and enhanced communications with project partners and anchor sites.

Key activities included:

- We refined project management systems
- Refined the match portion of the budget to more realistically reflect the value of equipment at anchor sites, made up for that with the addition of the value of the RoW. An Award Action Request has been submitted - in progress.
- Received the FONSI, which allowed us to make significant progress on network design
- Monitored the start of the WES Intertie construction
- Resolved the RUS overlap issue
- Continued contact with potential providers; and continued outreach.

Key Milestones:

Network Design:

- We received the FONSI in late January after which crews began fielding routes for the fiber backbone & to CAIs in Phases 1 & 2
- Fielding resulted in necessary changes to routes to anchor sites, design & EA in progress.

Network Build:

- The WES Sewer Intertie construction began, about 1 mile was constructed, will place 5 miles of conduit for our backbone.
- We did not begin any of our own construction, but made significant progress with network design.

Anchor Sites:

- Completed, then altered, the Baseline Anchor Site list as school closed or combined, reduced CAI count & altered network design.
- Deleted 9 anchor sites in Estacada to resolve overlap issue, we are looking to replace them with others.

Agreements:

- We made significant progress with several telecom providers and anticipate agreements may be signed as soon as next quarter.
- We should also finalize our service level agreements for anchor sites next quarter.
- Several Non-Disclosure Agreements signed

Site Preparation:

- We fielded fiber routes for backbone fiber and laterals to anchor sites in Phases 1 and 2. Includes significant make ready.
- We moved part of what was Phase 4 into Phase 2 to maintain overall schedule.

Rights of Way:

- We successfully negotiated a ROW agreement with the City of Sandy.
- Currently working with several other cities for similar ROW agreements using Sandy as template.

Permits:

- Received County Permits and some city permits.
- We applied for 6 Railroad crossing permits in January but do not have them yet.

Procurement:

- Developed a Procurement Guide for anchor sites that are sub-recipients to use.
- Ordered 5 miles of 720-count fiber, 12 miles of 288-count fiber, and 20 miles of 216-count was ordered. Delivery in late April.

Network Testing: None

Expenditures:

- No equipment or construction expenses.
- We incurred network Design costs of about \$236,379, staff time of \$31,201

Grant Requirement Activity Detail:

Special Award Conditions: Completed or submitted all SAC requirements including customer lateral Overlap Restrictions

Baseline:

- Baseline reflected planned Anchor Sites and lateral routes as of submission date – changes in both sites and routes are expected as fielding brings us to an 80% design level. These changes will be coordinated with NTIA.
- Desk Audit: All requirements completed.

Environmental Assessment:

- We received the FONSI on January 19.
- Have began EA Monitoring via EA Consultant, includes Field Manual for construction crew and quarterly reporting to NTIA.

Outreach:

- Continued implementing our Outreach and Communications Plans.
- Project web site is under development.
- Worked with public and private entities on economic and broadband opportunities.
- Met with key groups such as libraries, Fire Defense Board, etc.

Construction Support Detail:

Proposed Route:

- Continued refinement and design of fiber optic routes. The general route continues to be followed, but field discoveries will require slight adjustments and amendments.
- Fiber Allocation Plan is close to being finalized, after which route and anchor sites changes can be requested and additional fiber can be ordered.

- Fiber laterals to CAIs for construction phases 1, 2 & 3 are under final design within route submitted for FONSI. Phase 4-6 final routes under general design.

Anchor Sites:

- Phase 1 & 2 CAI adjustments under review.
- Communications with each CAI's technical & business management in progress.

Service Providers:

- Continued discussions with potential service providers.
- Finalizing agreements with Tier 2 providers for both delivery of services & joint use of infrastructure.

Project Management:

- Continue to refine project management elements including filing system, reporting & contracts.

Design/Build Contractor:

- Sent crews into the field after the FONSI was received.
- Worked on fiber allocation plan.
- Applied for utility pole attachment and make ready permits.
- Fiber reels were measured and ordered.

Budget:

- Continuing to work with NTIA on all the rules & procedures around In-Kind matching opportunities and begin required covenant or security interest documentation.
- Submitted Award Action Request for in-kind adjustment

Expenditures:

- Given actual construction is not expected to begin until late April 2011, there are no construction or equipment expenditures.
- There is incurred network Design costs of about \$236,379, staff time of \$31,201
- NOTE: We are behind on the projected Baseline Construction / Equipment expenditures - this is due to additional engineering required in Phase 1 & 2 and minor route changes. With Phase 1 construction now beginning and the rescheduling part of Phase 4 to coincide with Phase 1, the construction & equipment build rate / expenses will significantly increase.

Construction Activities:

- Fielding, CADing, pole permitting and make ready work are proceeding.
- WES trench construction is about 20% complete.
- Fiber placement is not expected until late April 2011.

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	3	Under projected 10% baseline - delays from make-ready, route changes and related design changes, and FONSI not received until January 2011. With construction beginning, project will proceed quickly.
2b.	Environmental Assessment	0	Under projected 100% baseline - percentage completed based on grant funding - EA currently funded outside of the grant so 0% grant funding completion. Actual project completion is 80% as the initial FONSI has been received. Current work is monitoring and EA amendments. Future activities may impact this funding.
2c.	Network Design	26	Under projected 39% Baseline - delays from make-ready, anchor site changes and related design changes, and FONSI not received until January 2011.
2d.	Rights of Way	0	Under projected 43% Baseline - budget for this was minimal to cover contractor processing of applications which is currently under design budget. Actual project progress is approximately 40% complete. This will change with Award Action Request to adjust budget to recognize ROW as in-kind. This will adjust when approved.
2e.	Construction Permits and Other Approvals	0	Under projected 40% Baseline - budget for this was minimal to cover contractor processing of applications which is currently under design budget. Actual project progress is approximately 20% complete. This will change with Award Action Request to adjust budget to recognize ROW as in-kind and will cause break out of permitting from design budget.
2f.	Site Preparation	0	Under projected 15% Baseline - delays from CAI add / drops, route changes and pending EA review, and CAI inside wiring pathways.

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2g.	Equipment Procurement	1	Under projected 16% Baseline - delays from make-ready, anchor site changes and related design changes, and FONSI not received until January 2011. Award Action Request for Budget Reprogram Amendment under review. Will progress quickly next quarter as procurement and construction begin.
2h.	Network Build (all components - owned, leased, IRU, etc)	0	Slightly under projected 3% Baseline - delays from make-ready, anchor site changes and related design changes, and FONSI not received until January 2011. Will progress quickly next quarter as procurement and construction begin.
2i.	Equipment Deployment	0	Consistent with Baseline
2j.	Network Testing	0	Consistent with Baseline
2k.	Other (please specify): CAI Connection	0	Consistent with Baseline

3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

1. Route changes: As we analyze routes in the field, we discover the need to make route changes, or we find better routes, or we add routes to get to new or replacement anchor sites, etc. Each of these route changes must be requested through Award Action Request (AAR), and we were told we should not pay bills for work on alternate routes until they are approved. This is infeasible for two reasons. First, we must incur expenses to investigate alternative routes before a route can be chosen and requested in AAR (e.g., one area required 4 routes to be analyzed before a clear path was found). Second, contractors and work crews can be idled by even the smallest change, such as awaiting approval for rerouting an aerial fiber path from utility poles in one paved street to utility poles in an adjacent paved street. In addition, it is unclear at to what degree Environmental Assessments (EA) cover de minimus changes, or at what point an addendum to the FONSI requested. Clackamas County respectfully requests the NTIA develop a Best Practice and/or an expedited review process for these de minimus changes to provide grantees quick decisions, and to help keep projects on schedule.
2. Anchor site changes: School district budgets are reducing and schools are merging and closing. We also lost 9 anchor sites due to the grant overlap issue. Locating new anchor sites and designing updates to the fiber allocation plan has delayed the project.
3. Six Union Pacific railroad crossing permits were submitted in January, but we do not have the permits yet (late April), nor do we have any leverage in regards to them. UPRR permits used to only require Railroad Protective Liability and be added as an additional insured on the contractors' policies. Now UPRR requires this of both the grantee and County is self insured there is no policy to add UPRR to. So the County was forced to purchase an insurance policy in the open market and add UPRR as an additional insured. This was costly and time consuming.
4. Cities have been more deliberate than expected in regards to resolving generic issues about the County's right to own a fiber system in their RoWs (aka franchising issues), but permits from city Transportation Departments have been smooth.
5. Make-ready on utility poles is slower than anticipated which kept us from staying on schedule in the Baseline. Oregon Law requires specific clearances for all pole attachments. Oregon Law provides recourse against nonresponsive pole owners, but it does not provide recourse against nonresponsive pole attachments. Because the federal grant and the County's contract with the contractor do not allow anything to be built out of compliance with existing codes, this is very challenging.

OTHER ISSUES

6. Finalizing a fiber allocation plan was difficult as there were several models to choose from, and every time an anchor site was dropped or added the plan necessarily changed.
7. Working through overlap issues with Cascade Utilities' BIP grant and being required to drop 9 anchor sites in Estacada was a strategic and political blow, especially because that is a remote area that needs affordable fiber solutions. The County incurred expenses and worked with anchor sites there for 2 years, and then had to tell them they could not be served.
8. The US Forest Service has yet to issue a permit for work in the Mt Hood Natl Forest (the eastern part of the spur to Govt Camp)
9. Match for this grant was almost entirely composed of the value of new equipment purchased by anchor sites. Additional due diligence revealed that most anchor sites already had equipment, and that its fair market value was somewhere between 0%-20% of what we anticipated. We had to identify over \$2.5 million in other match and request to revamp the budget via AAR (approval pending).
10. Now that many BTOP and BIP projects are ordering fiber, our contractor tells us that fiber deliveries from the vendor have gone from 4 weeks to 8-12 weeks.

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	Consistent with Baseline
New network miles leased	0	N/A
Existing network miles upgraded	0	Consistent with Baseline
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	0	Consistent with Baseline
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	0	Consistent with Baseline

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	9
Average term of signed agreements (in quarters)	0

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers: No Service Agreements yet, but 7 Non-Disclosure agreements in place. Multiple discussions with local and regional service providers ongoing.

5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in \$ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:

This project only provides dark fiber. No lit services will be provided.

No service agreements have been signed. The project anticipates pricing plan of dark fiber pairs at \$250/month for government agencies and non-profits, and \$1000/month for commercial entities.

5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this this third party operates (600 words or less).

Overall Management of the network will remain with Clackamas County, however, where the project leases or uses conduit / duct / fiber from third parties, the third parties will typically be responsible for maintaining those assets.

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	Consistent with Baseline
	Providers with signed agreements receiving improved access	0	Behind Baseline estimate of 2 due to additional route engineering in dense area. Agreements are in process with Clackamas ESD & SandyNet.
	Providers with signed agreements receiving access to dark fiber	0	Behind Baseline estimate of 2 due to additional route engineering in dense area. Agreements are in process with Clackamas ESD & SandyNet

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	2	1 GBPS - Standard for all providers (2 now, 4 possible) 10 GBPS - Available if electronics upgraded (0 currently)
Community Anchor Institutions (including Government institutions)	Total subscribers served	0	Consistent with Baseline. Construction has just begun.
	Subscribers receiving new access	0	Consistent with Baseline. Construction has just begun.
	Subscribers receiving improved access	0	Consistent with Baseline. Construction has just begun.
	Please identify the speed tiers that are available and the number of subscribers for each	0	1 GBPS - Standard for all connections 10 GBPS - Available if electronics upgraded
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

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

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

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

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

N/A

9. Community Anchor Institutions:

Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
N/A	N/A	N/A	N	Construction just begun, no CAI connected until next quarter

Project Indicators (Next Quarter)

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

Summary:

- Subject to obtaining railroad crossing permits, place all backbone fiber in Phases 1, 2, including 20 miles of what was originally Phase 4 (Sandy to Colton).
- Finalize routes and submit revised environmental assessment for review.
- Finalize service level agreements and light up anchor sites and customers in Phases 1 and 2.
- Finalize network design in Phase 3 and plan the design-build of what was originally the easternmost part of Phase 6 for this summer (Welches to Govt Camp at the crest of the Cascade Mountains).

Key Milestones:

Network Design:

- Finalize detail engineering of Phase 1 & 2, start Phase 3.
- Perform required Award Action Request (AAR) and NEPA amendments.
- Finalize fiber allocation model & private network design.

Network Build:

- Complete backbone for Phase 1 and partial Phase 2.
- Start laterals to anchor sites for Phase 1 & 2.

Anchor Sites:

- Refine Phase 1,2,3 anchor site list, perform required AAR and NEPA amendments.

Agreements: Continue finalizing service level agreements with anchor sites, and marketing the network to other potential users.

Site Preparation: Complete Phase 1 Site preparation and make-ready, start with site preparation for Phase 2.

Rights of Way: Continue finalizing RoW agreements with cities

Permits:

- Complete all Railroad crossing Permits.
- Obtain any necessary addenda to the FONSI to cover route and anchor site changes.
- Finish USFS permit for the route to Govt Camp.

Procurement: Continue monitoring County and sub-recipient equipment purchases for compliance with Procurement requirements.

Grant Requirement Activity:

Special Award Conditions:

- Monitor for compliance.
- File covenants and UCC statements for federal interest on a monthly basis.

Baseline:

- Submit CAI & lateral route amendment for route changes and new/deleted CAI list.
- Complete budget update upon approval of AAR budget reprogramming for matching funds.

Management:

- Updated CAI Packets
- Establish form and process for route changes and new / deleted CAI list.

Environmental Assessment:

- Implement EA monitoring process
- Implement EA Field manual
- Submit AAR including EA analysis for requested route and CAI changes

Outreach: Continue and expand Outreach and communications to anchor sites and other potential users of the network.

Construction Activity:

- Primary activity to continue Phase 1 and 2 ring fiber builds & CAI Connections
- Ring fiber will be installed through at least part of Phase 3

Expenditures: Phase 1, 2, and 3 Equipment, CAI new network equipment, Phase 1,2,3 Engineering.

Route:

- Continued refinement and design of ring and lateral routes.
- Final design of Phase 2 & part of 3, detail engineering complete for Phase 3.
- Final integration of existing underground conduit opportunities.

Anchor Sites:

- Perform update Environmental Assessment on Phase 1,2,3,4 route adjustments and Anchor Sites.
- Submit Baseline & NEPA FONSI amendments for approval from BTOP.

Service Providers:

- Continue discussions with local service providers.
 - Complete agreements with 2 providers and PGE, goal to complete up to 4 more agreements currently in discussion.
 Project Management: This will focus on maintaining Davis Bacon, Buy American, and sub-recipient monitoring.
 Rights of Way: Complete all ROW agreements and permits with cities in Phases 1-4. Continue to obtain ODOT permits as needed.
 Expenditures:
 - NOTE: We are behind on the projected Baseline Construction / Equipment expenditures - this is due to the additional engineering required in Phase 1 & 2 and minor route changes. With Phase 1 construction now beginning and the rescheduling of Phase 4 to coincide with Phase 1, the construction and equipment build rate / expenses will significantly increase.
 - Phase 1, 2 & 3 Engineering fees / ROW for approximately: \$150,848
 - Phase 1 & part of phase 2 Construction: \$530,000
 - Phase 1 and part of Phase 2 Equipment: \$180,000
 - Project Staff time of approximately : \$33,000

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	11	Under projected 27% Baseline - delays from make-ready, anchor site changes and related design changes, and Railroad permits. However, with several concurrent phases beginning construction, will get caught up to baseline quickly over next 2 quarters.
2b.	Environmental Assessment	0	Under projected 100% baseline - percentage completed based on grant funding - EA currently funded outside of the grant so 0% grant funding completion. Actual project completion is 85% as the initial FONSI has been received. Current work is monitoring and EA amendments. Future activities may impact this funding.
2c.	Network Design	39	Under projected 57% Baseline - delays from make-ready, anchor site changes and related design changes, and EA review and approval. However, with several concurrent phases beginning construction, will get caught up to baseline quickly over next 2 quarters.
2d.	Rights of Way	0	Under projected 56% Baseline - budget for this was minimal to cover contractor processing of applications which is currently under design budget. Actual project progress is expected to be 50% complete. This will change with Award Action Request to adjust budget to recognize ROW as in-kind. This will adjust when approved to reflect change in ROW accounting.
2e.	Construction Permits and Other Approvals	0	Under projected 60% Baseline - budget for this was minimal to cover contractor processing of applications which is currently under design budget. Actual project progress is estimated to be 40% complete. This will change with Award Action Request to adjust budget to recognize ROW as in-kind and will cause break out of permitting from design budget.
2f.	Site Preparation	12	Under projected 30% Baseline - delays from make-ready, anchor site changes and related design changes, and building code issues. This is not based on budget as actual site preparation of anchor sites is responsibility of CAI, this is based on the % of anchor sites expected to be connected.
2g.	Equipment Procurement	8	Under projected 38% Baseline - delays from make-ready, anchor site changes and related design changes, and anticipated vendor delays. However, with several concurrent phases beginning construction, will get caught up to baseline quickly over next 2 quarters. Award Action Request to adjust In-Kind budget will also adjust this as anchor site equipment will no longer be counted but moved to ROW.
2h.	Network Build (all components - owned, leased, IRU, etc.)	8	Under projected 16% Baseline - delays from make-ready, anchor site changes and related design changes, and anticipated vendor delays. However, with several concurrent phases beginning construction, will get caught up to baseline quickly over next 2 quarters. As a design/build project, this also includes costs of fiber which will incur large procurements over next 2 quarters.
2i.	Equipment Deployment	12	Under projected 25% Baseline - delays from make-ready, anchor site changes and related design changes, CAI purchasing delays due to budget cuts. This is not based on budget but actual % of connected CAI sites.

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2j.	Network Testing	0	Under projected 10% Baseline - delays from make-ready, anchor site changes and related design changes, and EA review and approval.
2k.	Other (please specify): CAI Connection	12	Under projected 18% Baseline - delays from make-ready, anchor site changes and related design changes, and EA review and approval. This is not based on budget but actual % of connected CAI sites. With several concurrent phases beginning construction, will get caught up to baseline quickly over next 2 quarters.

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).

As with last quarter, the same primary issues are impacting the project and need to be resolved.

1. Route changes: Changes will continue as project proceeds, need stream-lined process to minimize delays and costs.
2. Anchor site changes: With the loss of several CAIs, will proceed with review and proposal to add replacements. Process needs to be stream-lined as possible to minimize delays and costs.
3. Six Union Pacific railroad crossing permits. If permits are still not approved, this will delay several key Middle Mile builds.
4. City ROW will continue to be priority, process is slow and could slow rate of match for the budget.
5. Make-ready on utility poles is slower than anticipated which kept us from staying on schedule in the Baseline.

OTHER ISSUES

6. The US Forest Service, while a latter phase, this permit needs to be resolved.
7. Now that many BTOP and BIP projects are ordering fiber, our contractor tells us that fiber deliveries from the vendor have gone from 4 weeks to 8-12 weeks. This could delay construction and connections.

