National Telecommunications and Information Administration (NTIA)
Middle Mile Grant Program
Bi-Annual Performance Report

Note: Form instructions and definitions will be created to support the report. Instructional guidance and training will be developed. Numbering to be updated based on final approved form.

RECIPIENT NAME:

Troy Cablevision, Inc.

OMB Control No.	**0660-0052**
Expiration Date:	**4/30/2026**

Middle Mile Grant Program Bi-Annual Performance Report

A. GENERAL INFORMATION

GENERAL	**1a. Recipient Organization:**	Troy Cablevision, Inc	**1h. Award Identification Number:**	[redacted]
	1b. Recipient Street Address:	1006 S. Brundidge Street	**1i. Report Date (MM/DD/YYYY):**	10/30/2023
	1c. City, State, and Zip Code:	Troy, AL, 36081-3121	**1j. Final Report:**	**Yes** ☐ **No** ☑
	1d. Unique Entity Identification (UEI) Number:	[redacted]	**1k. Report Period Start Date (MM/DD/YYYY):**	4/1/2023
	1e. Award Start Date (MM/DD/YYYY):	7/1/2023	**1l. Report Period End Date (MM/DD/YYYY):**	9/30/2023
	1f. Award End Date (MM/DD/YYYY):	6/30/2027		
	1g. Name of Person Completing Report:			

B. PROJECT NARRATIVE

Please use the section below to provide a project narrative of the project(s).
This section aims to help reviewers better understand what project is being proposed and steps taken to achieve this goal.

PROJECT NARRATIVE	**2a. A brief description of the recipient's organization and scope of work/project priorities:**	Troy Cablevision, Inc., d/b/a "C Spire" proposes to build and operate the Connect Alabama Network [redacted] I covering the central and southern portion of Alabama (proposed service area or "PSA"). Connect Alabama consists of nearly [redacted] miles of new, high-count, middle-mile fiber construction with nearly [redacted] accessible splice points falling at no more than every [redacted] — providing or enabling last mile connectivity in unserved and underserved portions of [redacted] Alabama counties and over [redacted] unserved and underserved municipalities.
	2b. An overview of the significant outputs and outcomes to be accomplished in the project:	C Spire Fiber's Connect Alabama network aligns well with NTIA's Middle Mile Program's priorities: providing symmetrica [redacted] to anchor institutions withi [redacted] of the route while also offering fiscally sustainable middle mile, non-discriminatory interconnection to last mile broadband providers, documented interest from [redacted], and benefiting national security interests for fiber broadband connectivity along the route. Moreover, C Spire has a well-established record of providing reliable and resilient low-latency, high-capacity fiber network services: offering retail, last-mile symmetric [redacted] homes and businesses, connecting electrical cooperatives, rural telephone companies and fixed and mobile wireless providers.
	2c. How would the project meet the recipient's business and/or administrative need(s)?	The proposed project has been a priority for C Spire since the award of an NTIA BTOP grant which was successfully completed in 2014, under which C Spire constructed over [redacted] of middle mile infrastructure in southeast Alabama – enabling last mile all-fiber connectivity to ove [redacted] throughout Crenshaw, Coffee, Dale, and Pike counties. Like the C Spire BTOP middle-mile network, the design of the Connect Alabama network will encourage the expansion and extension of the BTOP infrastructure connecting unserved/underserved areas o [redacted] to the backbone of the internet. By connecting to and completing additional rings, the Connect Alabama network affords redundancy (preventing a single point of failure), high reliability and high-speed broadband throughout the [redacted] Alabama counties it traverses and enables open access to last mile providers, electrical cooperatives, military facilities, and th [redacted] along its path. The network proposes to support wholesale and retail broadband services throughout the life of the project.
	2d. Provide an overview of key accomplishments achieved for this reporting period on the MM infrastructure project.	This reporting period has only been 3 months. During this time, we have identified an environmental firm to assist with the environmental assessment of the project area. We will be working closely with the firm and the NTIA to approve route modifications that avoid environmental impacts along with preparing letters to various agencies required for the Environmental and Historical Preservation Review.
	2e. Provide any roadblock experienced during this reporting period impacting the expansion of the MM infrastructure project (i.e., supply chain, availability of labor).	No roadblocks have been experienced at this time.
	2f. Provide any barriers to improving job quality experienced during this reporting period.	No barriers to improving job quality have been experienced during this reporting period.

C. INFRASTRUCTURE MILESTONE CATEGORIES AND PROJECT TIMELINE

INFRASTRUCTURE MILESTONE CATEGORIES AND PROJECT TIMELINE

Please use the chart below to provide the start date and end date of your project.

OVERALL PROJECT	PROJECT DURATION	3a. PROJECT START DATE	3b. PROJECT END DATE
	1475	June 16, 2023	June 30, 2027

Please provide the start and end dates for each milestone category of your project. The duration is be based on the start and end dates of each category.

Please use the table provided to indicate your EXPECTED percentage of completion on a bi-annual basis for each year of your project. Year 1 begins with your award start date.

The percentage of completion should be based primarily on the expenditure of your project budget and should be reported cumulatively from award inception through the end of each semi-annual reporting period. For example, if you expect to complete a particular milestone within the first three periods of your project, the third period and all subsequent periods should state 100%.

Please write "0" in the duration field if your project does not include an activity. If necessary, please insert additional milestones at the end.

ANTICIPATED PROJECT MILESTONES				Year 1 Baseline		Year 2 Baseline		Year 3 Baseline		Year 4 Baseline		Year 5 Baseline	
3c. MILESTONE CATEGORIES	3d. DURATION (Days)	3e. START DATE	3f. END DATE	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
Overall Project	[redacted]	[redacted]	[redacted]	0%	[redacted]								
Environmental Assessment	[redacted]	[redacted]	[redacted]	0%									
Network Design	[redacted]	[redacted]	[redacted]	0%									
Rights Of Way	[redacted]	[redacted]	[redacted]	0%									
Construction Permits And Other Approvals	[redacted]	[redacted]	[redacted]	0%									
Site Preparation	[redacted]	[redacted]	[redacted]	0%									
Equipment Procurement	[redacted]	[redacted]	[redacted]	0%									
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	[redacted]	[redacted]	[redacted]	0%									
Equipment Deployment	[redacted]	[redacted]	[redacted]	0%									
Network Testing	[redacted]	[redacted]	[redacted]	0%									
Status of Procurement	[redacted]	[redacted]	[redacted]	0%									
Other (please specify):													

% OF PROJECT COMPLETION

Please use the table provided to indicate your ACTUAL percentage of completion on a bi-annual basis for each year of your project. Year 1 begins with your award start date.

The percentage of completion should be based primarily on the expenditure of your project budget and should be reported cumulatively from award inception through the end of each semi-annual reporting period. For example, if you expect to complete a particular milestone within the first three periods of your project, the third period and all subsequent periods should state 100%.

Please provide a brief description of the primary activities involved in meeting each milestone (a single description should be provided for each milestone, covering all periods in years one through N). Please write the number "0" if your project does not include an activity. If necessary, please insert additional milestones at the bottom of the chart. Please add additional milestones as applicable.

ACTUAL PROJECT MILESTONES		Year 1		Year 2		Year 3		Year 4		Year 5	
		Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
4a. MILESTONE	4b. DESCRIPTION	Actual Milestone Completion (Cumulative)									
Overall Project	Overall Project	0%									
Environmental Assessment	Environmental Assessment	0%									
Network Design	Network Design	0%									
Rights Of Way	Rights Of Way	0%									
Construction Permits And Other Approvals	Construction Permits And Other Approvals	0%									
Site Preparation	Site Preparation	0%									
Equipment Procurement	Equipment Procurement	0%									
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	0%									
Equipment Deployment	Equipment Deployment	0%									
Network Testing	Network Testing	0%									
Status of Procurement	Status of Procurement	0%									
Other (please specify):	Other (please specify):	0%									
		0%									

Subrecipient and Subawards

List of Subrecipient(s) that received a subaward or subcontract from the eligible entity and a description of the specific project for which grant funds were provided.

Associate projects names to any subrecipient or subaward associated with grant, approved grant funds, and expenditures to date.

5a. Project Name	5b. Project Description	5c. Subrecipient	5d. Minority Business Enterprise (MBE)	5e. Women's Business Enterprise (WBE)	5f. Labor Surplus Area Firm	5g. Awarded Funds	5h. Expenditures to Date	5i. Remaining Grant Balance	5j. % of work complete
	Not Applicable at this time.		Yes ☐	Yes ☐	Yes ☐				
			Yes ☐	Yes ☐	Yes ☐				
			Yes ☐	Yes ☐	Yes ☐				
			Yes ☐	Yes ☐	Yes ☐				

D. INFRASTRUCTURE BUDGET EXECUTION DETAILS

INFRASTRUCTURE BUDGET EXECUTION DETAILS

Please provide details below on your total budget and total fund expended to date for each budget element, including detailed disbursements of both matching funds approved and federal funds obligated from project inception through end of this reporting period. Figures should be reported cumulatively from award inception to the end of the applicable reporting period.

6a. Projected Budget Element	6b. Federal Funds	6c. Non-Federal Funds	6d. Total Project Budget	6e. Total Federal Funds Expended to Date	6f. Total Non-Federal Funds Expended to Date	6g. Total Funds Expended	6h. Percent of Federal Funding Expended to Date (Cumulative)
[redacted]	[redacted]	[redacted]	[redacted]	-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
				-	$ -	$ -	0%
Totals	$ 26,290,960.62	$ 26,310,482.73	$ 52,610,443.35	$ -	$ -	$ -	0%

E. COMMUNITY BENEFIT AGREEMENT

COMMUNITY BENEFIT AGREEMENT

As stated in the MM Grant Program NOFO a Community Benefit Agreement (CBA) is an agreement signed by community benefit groups and a developer, identifying the community benefits a developer agrees to deliver, in return for community support of the project.

Please use the fields below to state the Community Benefit Group and Developer Name and describe the activities in how this partnership has supported with the Middle Mile infrastructure project (i.e. wage agreements, targeting hiring of apprentices and disadvantaged groups in labor marker, education and training opportunities, sub-contracting to local small business for construction, services, and supply chain needs).

Description of Community Agreement

7a. Community Benefit Group Name: Please provide the name of the Community Benefit Group

Not Applicable

7b. Developer Name: Please provide the name of the Developer

Not Applicable

7c. Community Benefit Group and Developer Partnership: Please describe in the space below the nature of the partnership and how the MM grant funds being used are assisting to provide community support for the infrastructure project.

Not Applicable

F. CLIMATE RESILIENCE

CLIMATE RESILIENCE

Recipients must demonstrate that they have sufficiently accounted for current and future weather and climate related risks to new MM infrastructure projects. At present, weather and climate related risks to broadband networks include wildfires, extreme heat and cold, inland and coastal flooding, and the extreme winds produced by weather events such as tornadoes, hurricanes, and other weather events. Because retrofitted and new infrastructure for broadband might be expected to have a lifetime of 20 years or more, recipients must account not only for current risks but also for how the frequency, severity, and nature of these extreme events may plausibly evolve as our climate continues to change over the coming decades.

Climate Resiliency Risk Mitigation

This purpose of this section is for the recipient to demonstrate that they have sufficiently accounted for current and future weather and climate-related risks to new MM infrastructure projects. In particular, each recipient should demonstrate how they've addressed the known and identifiable risks of current and future projected weather and climate conditions through measures such as (but not limited to) choice of a technology platform suitable to the climate risk of the region, reliance on alternatives siting of facilities (i.e., underground construction where appropriate), retrofitting, or hardening of existing assets, and use of network redundancy to safeguard against threats to infrastructure.

8a. Were any geographic areas identified for **this reporting period** subject to an initial and/or updated hazard screening for future weather and climate related risk? If so, please provide **the date of the screening and provide related documentation as an attachment to this report.**

None

8b Climate Resilience Category	8c. Date of Most Recent Hazard Screening	8d. Name and Title of Representative Completing Most Recent Hazard Screening	8e. Date of Report Completion
N/A	**Sep-22**	[redacted]	Sep-22

8f. Identified Risk: For your MM project, what are the potential weather and climate hazards that may be most important to be addressed that could impact the resiliency of the middle mile infrastructure deployed (i.e. wildfires, extreme heat and cold, inland and coastal flooding, extreme winds: tornadoes, hurricanes and other weather events)?

[redacted]

8g. Weather and Climate Hazards: Were any significant climate or weather hazards experienced during this reporting period (i.e., floods, tornados) impacting infrastructure buildout or service? Briefly describe how you monitored for weather and climate caused issues for the reliability of the system. If so, please provide the date of the disaster, location and backup documentation related (i.e., news articles).

[redacted]

8h. Risks to Deployment of New Infrastructure: Has the team identified any risks impacting the deployment of new or repaired infrastructure due to current and future weather and climate-related threats during this reporting period?

[redacted]

8i. Risk Mitigation: How will the project avoid and/or mitigate the risk identified? If not applicable, please explain why.

[redacted]

8j. Additional Information: Is there any additional information you would like to share during this reporting period that the grant team should be aware of regarding the management of sustainable climate resiliency for your MM project?

None at this time.

8k. Additional Resources
Has the team utilized the available resources to assist with mitigation and long-term planning efforts for this reporting period? Yes. If so, which resources?
2018 National Climate Assessment
NOAA's 2022 State Climate Summaries
NOAA Disaster and Risk Mapping Tool
NOAA's Storms Event Database
NOAA Climate Explorer and Digital Coast
FEMA National Risk Index
Consulted FEMA-approved Hazard Mitigation Plans prepared by states in which they propose to build middle mile infrastructure to help identify key risk and hazards

2018 National Climate Assessment
NOAA's 2022 State Climate Summaries
NOAA Disaster and Risk Mapping Tool
NOAA's Storms Event Database
FEMA National Risk Index

G. Workforce

DAVIS-BACON ACT CERTIFICATION

For projects receiving over $5,000,000 (based on expected total cost), as determined by the U.S. Secretary of Labor by subchapter IV of chapter 31 of title 40, United States Code (commonly known as the "Davis-Bacon Act"), all laborers and mechanics employed by contractors and subcontractors in the performance of such project are paid wages at rates not less than those prevailing.

Davis-Bacon Act Certification

9a. Does the recipient have access to the information requested (all laborers and mechanics employed by contractors and subcontractors in the performance of such project are paid wages at rates not less than those prevailing?)	**Yes** ☐	**No** ☑

Not Applicable, the workforce for this project has not been retained at this time. Recipient will ensure we have proper reporting to ensure all laborers and mechanics employed by contractors and subcontractors in the performance of the project are paid wages at the rates not less the prevailing wage.

LOCAL HIRE PRIORITIZATION AND IMPACT

Local Hire Prioritization and Impact

Local hiring is a goal or requirement to hire people who live close to the place of work. This aim is often more specifically structured as a requirement for contractors awarded certain types of publicly funded projects to recruit a certain proportion of the people working on the project from a particular area. Please **provide all direct hires and contractors supporting** the MM Infrastructure project.

Please use the table below to describe how the project prioritizes local hiring.

Not Applicable, the workforce for this project has not been retained at this time. At the time we retain these resources through direct hire or contract resources this data will be available.

Hires by Race, Ethnicity and Gender	Number of Hires																					
	Race/Ethnicity																					
	9b. Hispanic or Latino			9c. Non-Hispanic/Non-Latino																		Totals
				9c-1. Men						9c-2. Women						9c-3. X						
	9b-1. Men	9b-2. Women	9b-3. X	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	
Number of Local Direct Hires	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Number of Non-Local Direct Hires	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Percentage of Local Direct Hires on Award	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Number of Local Subcontractors	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Number of Non-Local Subcontractors	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Percentage of Local Subcontractors on Award	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

DAVIS-BACON WAGES

Davis-Bacon Act Wages

Please confirm if wages are at least prevailing*

*As stated in the MM NOFO as determined by the U.S. Secretary Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code (commonly known as the "Davis-Bacon Act"), for the corresponding classes of laborers and mechanics employed on projects of a character similar to the contract work in the civil subdivision of the State (or the District of Columbia) in which the work is to be performed.

10a. Are wage rates at least the Davis-Bacon prevailing wage for all laborers?	**Yes** ☑	**No** ☐	10c. Are wage rates at least the prevailing wage for all mechanics?	**Yes** ☑	**No** ☐
10b. Please cite your source of how this information was gathered (for 10a).	No personnel have been hired during this reporting period		10d. Please cite your source of how this information was gathered (for 10c).	No personel have been hired for this reporting period	

Not Applicable, the workforce for this project has not been retained at this time. C Spire will ensure we have proper reporting to ensure all laborers and mechanics employe by contractors and subcontractors in the performance of the project are paid wages at the rates not less the prevailing wage.

10e. If you answered "No" to either 10a. or 10c., please provide an attachment reporting the wages and benefits of workers on the project by job classification, and whether those wages are less than the prevailing wage.

WORKFORCE DEMOGRAPHICS

Workforce Demographic Data

Jobs by Race, Ethnicity and Gender	Number of Jobs																					
	Race/Ethnicity																					
	11-a. Hispanic or Latino			11b. Non-Hispanic/Non-Latino																		Totals
				11b-1. Men						11b-2. Women						11b-3. X						
	11a-1. Men	11a-2. Women	11a-3. X	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	
Jobs Created	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Jobs Retained	0	0	0																			0

UNIONIZED WORKFORCE

	Yes ☐	**No** ☑	12-c. Does your MM project utilize a project labor agreement?	**Yes** ☐	**No** ☑
12-b. Are workers provided access to union educators/organizers on employer property or during the work day?	**Yes** ☐	**No** ☑	12-d. Did workers receive additional information or training about their workplace rights in addition to already required notice postings?	**Yes** ☐	**No** ☑

H. Workforce Continuity Plan
National Labor Relations Act (29 U.S.C. 158 (f)

WORKFORCE CONTUNITY PLAN
NATIONAL LABOR RELATIONS ACT

As stated in the MM NOFO, if a recipient has not provided a certification that a project either will use a unionized project workforce or included a project labor agreement, meaning a pre-hire collective bargaining agreement consistent with section 8(f) of the National Labor Relations Act (29 U.S.C. 158 (f)), then the recipient must provide a project workforce continuity plan.

Workforce Continuity Plan

13a. Please describe the steps taken to ensure the project has ready access to a sufficient supply of appropriately skilled and unskilled labor to ensure construction is completed skillfully throughout the project's life (as required in Section III.B of the MM NOFO). As stated in the MM NOFO, the middle mile grant recipient is capable of carrying out the proposed project in a competent manner, including a plan to attract or retain an appropriate skilled and credentialed workforce.

For your MM project, please provide a brief description of efforts made to attract, train or retain a skilled and credentialed workforce.

Has the team offered any of the following resources to assist with maintaining a sufficient supply of appropriately skilled labor force for this reporting period? If so, which resources (please provide a brief description of any of the following that apply):
Professional Certifications
In-House Training
Registered Apprenticeships
Labor-Management Partnerships
Partnerships with entities like unions, community colleges, or community-based groups

Not Applicable, the workforce for the project has not been retained at this time [redacted]

13b. Please describe below, the steps taken to minimize risks of labor disputes and disruptions that would jeopardize the timeliness and cost-effectiveness of completing the MM project.

Not Applicable, the workforce for the project has not been retained at this time. In addition to encouraging its employees to voice concerns with management [redacted].

13c. Please describe below the steps to ensure a safe and healthy workplace that avoids delays and costs associated with workplace illnesses, injuries, and fatalities.

Not Applicable, the workforce for the project has not been retained at this time [redacted]

13d. For your MM project, please provide a brief description below of efforts made to ensure a safe and healthy workplace.

Has the team offered any of the following resources to assist with maintaining a safe and healthy workplace for this reporting period? If so, which resources (please provide a brief description of any of the following that apply):
Safety Training
Certifications and/or Licensure Requirements for all relevant works (e.g., OSHA 10, OSHA 30, confined space, traffic control, or other training required of workers employed by contractors)
Issues raised by workplace safety committees and their resolutions

Not Applicable, the workforce for the project has not been retained at this time. [redacted]

13e. Please provide the name(s) below of any subcontracted entities performing work on the project, and the total number of workers employed by each entity.

13e-1. Name of Subcontracted Entity Performing Work	13e-2. Total Number of Workers within this Subcontract	13e-3. Job Categories of Workers Supporting Project within this Subcontract
Not Applicable, the workforce for the project has not been retained at this time.	Not Applicable, the workforce for the project has not been retained at this time.	Not Applicable, the workforce for the project has not been retained at this time.

13f. Please describe below the steps taken to ensure that workers on the project receive wages and benefits sufficient to secure an appropriately skilled workforce in the context of the local and regional labor market.

Not Applicable, the workforce for the project has not been retained at this time [redacted]

I. ANCHOR INSTITUTIONS

ANCHOR INSTITUTIONS

Please provide Anchor Institution (AI) data for the current period only (not cumulative). Please add rows as needed.

14a. Anchor Institution Name	14b. Street Address	14c. City	14d. State	14e. Type of Anchor Institution	14f. Interconnection within 1,000 Feet of AI Enabling Gig Symmetrical Service	14g. Narrative Description of how the Anchor Institution may benefit from the Grant Funded Infrastructure
Not applicable at this time.						

J. BROADBAND ACCESS KEY INDICATOR: SUBSCRIBERS AND SPEED

PROJECTED NUMBER OF SUBSCRIBERS AND SPEED

Please use the following table to provide anticipated key indicators with the projected totals for each beneficiary category, access type and speed category for your infrastructure service or project. Except as indicated, information should be reported cumulatively from award inception through the end of the bi-annual period for Bi-Annual Indicators. Please write the number "0" if your project does not include this indicator.

PROJECTED NUMBER OF SUBSCRIBERS AND SPEED		Year 1		Year 2		Year 3		Year 4		Year 5	
SUBSCRIBER TYPE	ACCESS TYPE	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
15a. Anchor Institutions (AIs)	15a-1. Total number of AIs passed	0	0	[redacted]							
	15a-2. Number of AIs within 1,000 feet of the middle mile infrastructure	0	0								
	15a-3. Total number of AIs served	0	0								
	15a-4. AIs with new access	0	0								
	15a-5. AIs with improved access	0	0								
	15a-6. Total number of AIs served with speeds of at least 1/1Gbps	0	0								
15b. Broadband Wholesalers or Last Mile Providers	15b-1.Total number of broadband wholesalers or last mile providers served	0	0								
	15b-2. Broadband wholesalers or last mile providers with new access	0	0								
	15b-3. Broadband wholesalers or last mile providers with improved access	0	0								
	15b-4. Total number of broadband wholesalers or last mile providers offering speeds of at least 25/3 Mbps	0	0								
	15b-5. Total number of broadband wholesalers or last mile providers offering speeds of at least 100/20 Mbps	0	0								
	15b-6. Total number of broadband wholesalers or last mile providers offering speeds of at least 1/1 Gbps	0	0								

K. BROADBAND ACCESS KEY INDICATOR: NETWORK BUILD PROGRESS

NETWORK BUILD PROGRESS

Please use the following table to provide anticipated key indicators and progress of your Infrastructure project. Except as indicated, information should be reported cumulatively from award inception through the end of the bi-annual period. Please write the number "0" if your project does not include this indicator.

NETWORK BUILD PROGRESS	Year 1		Year 2		Year 3		Year 4		Year 5	
KEY INDICATOR	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
16a. Total of new fiber miles (aerial or buried)	0									
16b. Total of fiber miles leased	0									
16c. Total of existing fiber miles upgraded	0									
16d. Total of new microwave links	0									
16e. Total of new towers	0									
16f. Total of new interconnection points	0									
16g. Total of signed agreements with broadband wholesalers or last mile providers	0									
16h. Total of potential agreements (i.e., agreements currently being negotiated) with broadband wholesalers or last mile providers (This Total should NOT be reported cumulatively)	0									

L. QUANTIFIABLE METRICS

FIBER OPTIC BASED

Quantifiable Metrics - Section designed to assist with **reporting** and **audit** purpose to quantify how much progress was made and track the location of where the progress was made.

17a. Fiber Optic Based	Year 1		Year 2		Year 3		Year 4		Year 5	
	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
17a-1. Is the fiber a buried/aerial or undersea application?	[redacted]									
17a-2. Number of strands deployed	0									
17a-3. Number of miles of buried fiber deployed	0									
17a-4. Number of miles of aerial fiber deployed	0									
17a-5. Estimated capacity of fiber (i.e. throughput)										
17a-6. Deployment cost per mile of buried fiber optics	0									
17a-7. Deployment cost per mile of aerial fiber optics	0									
17a-8. Total Spent on Buried Fiber Deployment this reporting period	0									
17a-9. Total Spent on Aerial Fiber Deployment this reporting period	0									
17a-10. Total spent on Fiber Deployment this reporting period	0									
17a-11. Please provide any additional information about the Fiber Optic deployment (200 words or less)	No fiber optic cable deployed during this reporting period, awaiting Environmental Assessment.									
17a-12. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the new aerial fiber and buried fiber equipment installed during this reporting period.										

MICROWAVE BASED

17b. Microwave Based	Year 1		Year 2		Year 3		Year 4		Year 5	
	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
17b-1. How many microwave nodes have been deployed?	0									
17b-2. How many microwave nodes are operating for reporting period?	0									
17b-3. Installation cost per microwavable node	0									
17b-4. Number of new towers built to support microwave structure	0									
17b-5. If applicable, what type(s) of tower were constructed (a) Monopole (b) Self-Support, (c) Guyed or (d) Other during this reporting period?										
17b-6. Average cost per tower installed	0									
17b-7. Total spend on Tower deployment this reporting period	0									
17b-8. Total spend on microwave deployment this reporting period	0									
17b-9. If you answered "Other" to question 17b-5 or if it is a combination of multiple types, please provide a detailed narrative description detailing what type of tower or what combination of towers is used for the project and the their associated costs. (200 words or less).	Not Applicable. Recipient will not utilized microve based technology for the purpose of this project.									
17b-10. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the microwave nodes created during this reporting period.										

SATELLITE

17c. Satellite	Year 1		Year 2		Year 3		Year 4		Year 5	
	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
17c-1. What satellite provider is being used?	0									
17c-2. What is the estimated capacity of the satellite link (i.e. throughput)?	0									
17c-3. What is the associated cost to use this satellite service?	0									
17c-4. Please provide any additional information about the Satellite deployment (200 words or less)	Not Applicable. Recipient will not utilized satellite based technology for the purpose of this project.									
17c-5. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the satellite network accessed during this reporting period.										

CERTIFICATIONS

Certifications

18. Please provide certification evidencing compliance with Federal labor and employment laws along with the requirements of Infrastructure Investment and Jobs Act and Middle Mile Grant Program, for the bi-annual period for which this report is being filed.

Not Applicable during this reporting period. However, recipient will comply with Federal labor and employment laws along with the requirements of Infrastructure Investment and Jobs Act and Middle Mile Grant Program.

19. Please provide certification evidencing compliance with the Build America, Buy America Act. The Build America, Buy America Act requires that all of the iron, steel, manufactured products (including but not limited to fiber-optic communications facilities), and construction materials used in the project or other eligible activities are produced in the United States unless a waiver is granted.

Not Applicable during this reporting period. However, recipient will comply with all regulations related to the Build America, Buy America Act when it begins its project procurement process of materials, facilities, & equipment.

MM GRANT PROGRAM BI-ANNUAL REPORT CERTIFICATION

20. 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.

20a. Typed or Printed Name and Title of Authorized Certifying Official:		20c. Telephone (area code, number and extension):	
20b. Signature of Certifying Official:		20d. Email Address:	
		20e. Date:	