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	HORIZON TELCOM INC	**OMB Control No.**	OMB Control No. 0660-0052
		Expiration Date	Exp. Date: 2/28/2027

Middle Mile Grant Program Bi-Annual Performance Report									
A. GENERAL INFORMATION									
1a. Recipient Organization:	HORIZON TELCOM INC	**1h. Award Identification Number:**	39-40-MM212						
1b. Recipient Street Address:	68 E MAIN ST	**1i. Report Date (MM/DD/YYYY):**	05/27/2025						
1c. City, State, and Zip Code:	CHILLICOTHE, Ohio 45601-2503	**1j. Final Report:**	**Yes**		**No**	X			
1d. Unique Entity Identification (UEI) Number:	HED8ZNWABCJ1	**1k. Report Period Start Date (MM/DD/YYYY):**	10/01/2024						
1e. Award Start Date (MM/DD/YYYY):	07/01/2023	**1l. Report Period End Date (MM/DD/YYYY):**	03/31/2025						
1f. Award End Date (MM/DD/YYYY):	06/30/2027								
1g. Name of Person Completing Report:	Dan Meenan								
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.									
2a. A brief description of the recipient's organization and scope of work/project priorities.	Horizon Telcom has been providing telecommunications services in Ohio for over 125 years, initially as a Ross-county based telephone company and now as an enterprise and residential broadband provider operating in five states. The company operates in two distinct markets: Enterprise Middle-Mile, delivering world-class, ringed fiber services to healthcare, education, large businesses, and mobile operators across five states, and Residential and Small Business, building and operating fiber-to-the-home (FTTH) networks in Ohio. This project will increase the reach of Horizon's middle-mile network in Appalachian								

	Ohio which will, in turn, increase availability of residential/small business broadband services in the unserved communities adjacent to this new middle mile. The project also will improve the resilience of the region's fiber network by closing rings and will improve the electric grid's resilience as part of make-ready.
2b. An overview of the significant outputs and outcomes to be accomplished in the project.	Horizon's project will build 239 miles of fiber in Appalachian Ohio, including 2 counties that currently have no open middle (Coshocton and Perry) and 6 others that have only limited routes (Holmes, Muskingum, Athens, Knox, Tuscarawas, and Jefferson). The proposed new fiber will pass within 1,000 feet of 16,257 households, 525 Community Anchor Institutions (57 of which remain unserved), and 2,114 businesses. The project also will install new 400 Gbps Points of Presence (POPs) in 3 counties that currently do not have a POP (Coshocton, Holmes, and Perry) and upgrade 28 more POPs on Horizon's existing NTIA-funded open middle mile network to 400 Gbps. To improve access to major internet exchanges, the project also will install a connector route from the southwestern edge of Horizon's rural middle mile network to Cincinnati that will interconnect with ComNet's portion of the state's existing open middle mile network.
2c. How would the project meet the recipient's business and/or administrative need(s)?	This project will make it possible for Horizon and/or ISPs who purchase backhaul from us to serve many communities that currently have no relaible broadband access. The project also will improve the reliability and resilience of our regional middle-mile network by closing rings and opening alternate, redundant paths between network locations. Finally, it will significantly increase network capacity via POP upgrades to 400 Gbps.
2d. Provide an overview of key accomplishments achieved for this reporting period on the MM infrastructure project.	Shentel has made good progress with EHP approvals, POP upgrades, and network engineering; however, fiber construction is on hold due to significant make-ready backlogs with the electric utilities along the route. In some cases, we are seeing upwards of 400 days between pole applications and release of those poles for attachment. Environmental and historic/cultural review has been completed and approved for the POP upgrades and main fiber route. With that regulatory hurdle cleared, the only limiting factor for fiber construction of those network segments is make-ready lead time. Fiber procurement is under way in order to have supplies on hand in anticipation of construction starting. Equipment deployment is under way at 4 POP locations. Preparation has been completed for 10 more POP locations. Equipment for those sites has been ordered with delivery expected in the third quarter of 2025. Network engineering continues to progress well. Our team has fielded 213 fiber route miles, and Long Lead design work is complete. Shentel staff currently are conducting QA/QC reviews of the engineering designs, with 42.6 miles already approved. We expect all engineering packages will be completed by early October. Rights of way and permitting entities have been identified for the main fiber route. Primary permit applications have been submitted, including aerial pole attachments, railroads, and water crossings. At this point we are awaiting approval from the permitting entities.
2e. Provide any roadblock experienced during this reporting period impacting the expansion of the MM infrastructure project (i.e., supply chain, availability of labor).	We currently are facing significant delays related to make-ready, with upwards of 400 days between some pole applications and release of those poles for attachment. Not all poles are affected by this delay, but the delayed poles are scattered throughout our planned routes. Until we have contiguous approved segments, it will be difficult to commence construction.
2f. Provide any barriers to improving job quality experienced during this reporting period.	No barriers to report.

C. INFRASTRUCTURE MILESTONE CATEGORIES AND PROJECT TIMELINE

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

	PROJECT DURATION	3a. PROJECT START DATE	3b. PROJECT END DATE	
OVERALL PROJECT	1460	07/01/2023	06/30/2027	

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%.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

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	1460	2023-07-01	2027-06-30	0%	0%	10%	30%	50%	70%	80%	100%	100%	100%
Environmental Assessment	365	2023-07-01	2024-06-30	0%	0%	25%	100%	100%	100%	100%	100%	100%	100%
Network Design	730	2023-07-01	2025-06-30	0%	0%	25%	100%	100%	100%	100%	100%	100%	100%
Rights Of Way	729	2025-01-01	2026-12-31	0%	0%	25%	50%	75%	100%	100%	100%	100%	100%
Construction Permits And Other Approvals	729	2025-01-01	2026-12-31	0%	0%	0%	25%	50%	75%	100%	100%	100%	100%

Site Preparation	729	2025-01-01	2026-12-31	0%	0%	0%	25%	50%	75%	100%	100%	100%	100%
Equipment Procurement	729	2025-01-01	2026-12-31	0%	0%	0%	25%	50%	75%	100%	100%	100%	100%
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	729	2025-07-01	2027-06-30	0%	0%	0%	0%	30%	50%	70%	100%	100%	100%
Equipment Deployment	729	2025-07-01	2027-06-30	0%	0%	0%	0%	15%	35%	50%	100%	100%	100%
Network Testing	729	2025-07-01	2027-06-30	0%	0%	0%	0%	15%	35%	50%	100%	%	%
Status of Procurement	729	2025-01-01	2026-12-31	0%	0%	0%	0%	15%	35%	50%	100%	100%	100%

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).

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

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	Environmental review for the main fiber route and POP upgrades has been completed/approved. Engineering is on track to be completed by early October. Long lead design work is complete with 213 miles fielded. Engineering designs in QA/QC review with 42.6 miles already approved. Rights of Way have been identified and all primary permits submitted. Currently waiting for permitting entities to approve. Fiber construction remains on hold due to significant make-ready backlogs with the electric utilities along the route. In some cases, we are seeing upwards of 400 days between pole applications and release of those poles for attachment.	0%	5%	6%	13%						
Environmental Assessment	Environmental and Cultural/Historic Assessments have been completed/approved for the main fiber route and POP upgrades. EA/HP assessment for the Batavia/Cincinnati connector independent utility still needs to be conducted.	0%	5%	67%	85%						
Network Design	Network engineering continues to progress well. Our team has fielded 213 fiber route miles, and Long Lead design work is complete. Shentel staff currently are conducting QA/QC reviews of the engineering designs, with 42.6 miles already approved. We expect all engineering packages will be completed by early October.	0%	10%	15%	82%						
Rights Of Way	Rights of Way and all permitting entities identified.	0%	0%	0%	0%						
Construction Permits And Other Approvals	All primary permits submitted (aerial pole attachments, railroads, water crossings). Awaiting approvals from permitting entities. Completion percentage will remain at 0% until we begin receiving approvals from permitting entities.	0%	0%	0%	0%						
Site Preparation	No activity.	0%	0%	0%	0%						
Equipment Procurement	Electronics have been purchased and received for 4 POP locations; electronics for additional 10 locations have been ordered with delivery expected in fall.	0%	0%	11%	21%						
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	No activity - construction is dependent upon completion of make-ready. We currently are seeing longer than expected lead times from electric utility providers.	0%	0%	0%	0%						

Equipment Deployment	Electronics installation is under way for 4 POP locations. Preparation is complete for 14 locations.	0%	0%	11%	21%						
Network Testing	No activity	0%	0%	0%	0%						
Status of Procurement	Electronics and fiber procurement under way.	0%	0%	2%	16%						

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	Status	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
							$	$	$	%

D. 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)
6a. Administrative and legal expenses	$38,515.54	$18,484.46	$57,000.00	$0.00	$0.00	$0.00	0%
6a. Land, structures, rights-of way, appraisals, etc.	$897,971.63	$5,510,916.37	$6,408,888.00	$0.00	$0.00	$0.00	0%
6a. Relocation expenses and payments	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Architectural and engineering fees	$1,912,073.69	$917,646.31	$2,829,720.00	$1,322,174.22	$995,465.78	$2,317,640.00	69%
6a. Other architectural and engineering fees	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Project inspection fees	$751,044.97	$360,443.03	$1,111,488.00	$0.00	$0.00	$0.00	0%
6a. Site work	$129,736.56	$62,263.44	$192,000.00	$0.00	$0.00	$0.00	0%
6a. Demolition and removal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Construction	$15,353,449.00	$8,726,615.00	$24,080,064.00	$1,081,778.96	$814,472.04	$1,896,251.00	7%

6a. Equipment	$6,957,491.00	$3,954,509.00	$10,912,000.00	$1,309,769.64	$986,126.36	$2,295,896.00	19%
6a. Miscellaneous	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Subtotal	$26,040,282.39	$19,550,877.61	$45,591,160.00	$3,713,722.82	$2,796,064.18	$6,509,787.00	14%
6a. Contingencies	$1,500,271.44	$1,184,385.56	$2,684,657.00	$0.00	$0.00	$0.00	0%
6a. Totals	$27,540,553.83	$20,735,263.17	$48,275,817.00	$3,713,722.82	$2,796,064.18	$6,509,787.00	13%

E. 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	These questions were answered via file upload. **Number of Community Agreements:** 3 **File(s) Uploaded with Responses:** Community Benefit Agreement.xlsx
7b. Developer Name: Please provide the name of the Developer.	
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.	

F. 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.

No

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

Files Uploaded for Hazard Screening Information: Climate Resilience.xlsx

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)?
Riverine Flooding; Strong wind; Tornado; Ice storm
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).
No Potential weather impacts are monitored as part of our standard break-fix response as outages are reported. We also monitor NOAA severe weather warnings and long term climate predictions.
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?
No
8i. Risk Mitigation: How will the project avoid and/or mitigate the risk identified? If not applicable, please explain why.
No new risks have been identified. All existing risks (as identified in our original climate resliency report) remain unchanged for this reporting period.
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?
N/A

8k. Additional Resources Has the team utilized the available resources to assist with mitigation and long-term planning efforts for this reporting period? 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
Yes NOAA Fourth National Climate Assessment - Midwest Region NOAA 2022 NCEI State Climate Summary for Ohio First Street Foundation's Risk Factor service (to measure expected flood risk at the county level) FEMA National Risk Index (riverine flooding at census tract level) Ohio EMA 2019 Mitigation Plan (ema.ohio.gov/mitigation-plan) NOAA Climate Explorer (climate graphs for days with >3" precipitation through 2055) NOAA Disaster and Risk Mapping Tool (Time Series for Flooding/Severe Storm/Winter Storm; Risk Mapping for Weather & Climate Risk)

G. Workforce	
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 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
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.	

Hires by Race, Ethnicity and Sex	Number of Hires																			
	Race/Ethnicity																			
	9b. Hispanic or Latino			9c. Non-Hispanic/Non-Latino																Totals
				9c-1. Men						9c-2. Women										
	9b-1. Men	9b-2. Women		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	0	0	0	0	0	0	0	0	0	0						0
Number of Non-Local Direct Hires	0	0		0	0	0	0	0	0	0	0	0	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%						
Number of Local Subcontractors	0	0		14	2	0	0	0	0	8	0	0	1	0	0						25
Number of Non-Local Subcontractors	0	0		13	2	0	5	0	0	7	0	0	2	0	0						29
Percentage of Local Subcontractors on Award	0%	0%		52%	50%	0%	0%	0%	0%	53%	0%	0%	33%	0%	0%						

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
10b. Please cite your source of how this information was gathered (for 10a).	NA for this reporting period as we remain in the planning and engineering phase.
10c. Are wage rates at least the prevailing wage for all mechanics?	Yes
10d. Please cite your source of how this information was gathered (for 10c).	NA for this reporting period as we remain in the planning and engineering phase.
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 Demographic Data																							
Jobs by Race, Ethnicity and Sex	**Number of Jobs**																						
	Race/Ethnicity																						
	11-a. Hispanic or Latino			**11b. Non-Hispanic/Non-Latino**																			**Totals**
				11b-1. Men						**11b-2. Women**													
	11a-1. Men	11a-2. Women		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	0	0	0	0	0	0	0	0	0	0								0
Jobs Retained	0	0		0	0	0	0	0	0	0	0	0	0	0	0								0

Unionized Workforce	
12-a. Does this project include some workforce elements that are unionized?	Yes
12-b. Are workers provided access to union educators/organizers on employer property or during the work day?	Yes
12-c. Does your MM project utilize a project labor agreement?	Yes

12-d. Did workers receive additional information or training about their workplace rights in addition to already required notice postings?	Yes

H. Workforce Continuity Plan **National Labor Relations Act (29 U.S.C. 158 (f)**
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.
To encourage our staff to maintain their skills in an ever-evolving industry, all regular employees of Horizon who (a) have completed their initial six-month introductory period and (b) worked an average of thirty hours or more per week over the previous six-month period are eligible to participate in our Education Assistance program. Employees are eligible to receive up to 100% reimbursement for job-related academic pursuit. Such continuing education opportunities improve commitment to Horizon and help individuals to prepare personally for optimal functioning in a present position. It also helps employees with advancement opportunities to positions in which they could make an even greater contribution to the achievement of corporate goals.
For your MM project, please provide a brief description of efforts made to attract, train or retain a skilled and credentialed workforce.
When implementing a large project, Horizon may utilize contractors and subcontractors to augment its own workforce. To ensure that these partners also have a highly skilled workforce, Horizon’s contractors typically are unionized and are expected to maintain appropriate certifications and licensure for their technical and construction teams.
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
Horizon has been instrumental in developing two statewide initiatives in partnership with the Governor’s Office for Workforce Transformation: a Certified Fiber-Optics Splicer training program and a Certified Fiber-Optics Technician training program. Both programs offer 12-week, instructor-led courses with certification requirements and final examinations to demonstrate competency. The splicer program is focused on the skill set required to be a competent fiber splicer and the potential career options from that track. The C-FOT program is focused on broadband installation activities, including not only the technical capabilities to perform an installation at customer premises but also the customer service skills required in roles like this. Both of these initiatives are qualified to use TechCred and IMAP state dollars to subsidize or fully support training for candidates at little or no cost. Horizon also has established a partnership with Pickaway-Ross Career & Technology Center (PRCTC) to develop a permanent Internship Program. We have provided a letter of intent to hire PRCTC students from the

Cybersecurity and Networking class in our Network Operations Center (NOC), and our Customer/Technical Support, Engineering, and Information Technology Departments. We also meet on a quarterly basis with PRTC Job Placement Coordinator Kim Graves and PRTC Administrative Staff to discuss placement progress. In 2022, Horizon hired 6 graduates from the Cybersecurity and Networking Class, and one PRTC student completed a summer internship with our IT Department. That student has now returned to PRTC to complete their senior year.
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.
NA for this reporting period as we remain in the planning and engineering phase
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.
NA for this reporting period as we remain in the planning and engineering phase
13d. For your MM project, please provide a brief description below of efforts made to ensure a safe and healthy workplace.
NA for this reporting period as we remain in the planning and engineering phase
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
NA for this reporting period as we remain in the planning and engineering phase

Subcontracted Entities Information			
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.			
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	**Status**	**13e-2. Total Number of Workers within this Subcontract**	**13e-3. Job Categories of Workers Supporting Project within this Subcontract**
Reid Consulting Group	Active	3	Grant application; Grant compliance and reporting; GIS mapping; industry analysis; technical assistance

Mannik Smith Group	Active	13	Environmental assessment; Cultural and Historic Preservation assessment
Team Fishel	Active	9	Network engineering and design
NB+C	Active	18	Network engineering and design
Aquila Technology	Active	11	Network engineering and design
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.			
N/A			

I. ANCHOR INSTITUTIONS	
Please provide Anchor Institution (AI) data for the current period only (not cumulative). Please add rows as needed.	
14a. Anchor Institution Name	These questions were answered via file upload. **File Uploaded with Responses:** Anchor Institutions.xlsx
14b. Street Address	
14c. City	
14d. State	
14e. Type of Anchor Institution	
14f. Interconnection with 1,000 Feet of AI Enabling Gig Symmetrical Service	
14g. Narrative Description of how the Anchor Institution may benefit from the Grant Funded Infrastructure	

J. BROADBAND ACCESS KEY INDICATOR: 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.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

PROJECTED NUMBER OF SUBSCRIBERS AND SPEED	Year 1		Year 2		Year 3		Year 4		Year 5	
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	0	0						
15a-2 Number of AIs within 1,000 feet of the middle mile infrastructure	0	0	0	0						
15a-3. Total number of AIs served	0	0	0	0						
15a-4. AIs with new access	0	0	0	0						
15a-5. AIs with improved access	0	0	0	0						
15a-6. Total number of AIs served with speeds of at least 1/1Gbps	0	0	0	0						
15b. Broadband Wholesalers or Last Mile Providers* **										
15b-1. Total number of broadband wholesalers or last mile providers served	0	0	0	0						
15b-2 Broadband wholesalers or last mile providers with new access	0	0	0	0						
15b-3. Broadband wholesalers or last mile providers with improved access	0	0	0	0						
15b-4. Total number of broadband wholesalers or last mile providers offering speeds of at least 25/3 Mbps	0	0	0	0						

15b-5. Total number of broadband wholesalers or last mile providers offering speeds of at least 100/20 Mbps	0	0	0	0						
15b-6. Total number of broadband wholesalers or last mile providers offering speeds of at least 1/1 Gbps	0	0	0	0						

K. BROADBAND ACCESS KEY INDICATOR: 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.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

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	0	0	0						
16b. Total of fiber miles leased	0	0	0	0						
16c. Total of existing fiber miles upgraded	0	0	0	0						
16d. Total number of new microwave links	0	0	0	0						
16e. Total number of new towers	0	0	0	0						
16f. Total number of new interconnection points	0	0	0	0						

16g. Total number of signed agreements with broadband wholesalers or last mile providers	0	0	0	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	0	0	0						

L. QUANTIFIABLE METRICS

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.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

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?	Buried/Aerial	Buried/Aerial	NA	Buried/Aerial						
17a-2. Number of strands deployed	0	0	0	0						
17a-3. Number of miles of buried fiber deployed	0	0	0	0						
17a-4. Number of miles of aerial fiber deployed	0	0	0	0						
17a-5. Estimated capacity of fiber (i.e. throughput)	0	0	0	0						
17a-6. Deployment cost per mile of buried fiber optics	$0.00	$0.00	$0.00	$0.00						
17a-7. Deployment cost per mile of aerial fiber optics	$0.00	$0.00	$0.00	$0.00						
17a-8. Total Spent on Buried Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00						

17a-9. Total Spent on Aerial Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17a-10. Total spent on Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17a. Fiber Optic Based *, Long Text Responses and File Uploads**										
Current Period (Year 2, Period 2)										
17a-11. Please provide any additional information about the Fiber Optic deployment (200 words or less)	Fiber deployment currently is on hold until completion of make-ready. We currently are seeing longer than expected lead times from electric utility providers. Not all poles are affected by this delay, but the delayed poles are scattered throughout our planned routes. Until we have contiguous approved segments, it will be difficult to commence construction.									
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.										

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	0	0	0						
17b-2. How many microwave nodes are operating for reporting period?	0	0	0	0						
17b-3. Installation cost per microwavable node	$0.00	$0.00	$0.00	$0.00						
17b-4. Number of new towers built to support microwave structure	0	0	0	0						
17b-5. If applicable, what type of tower was constructed (a) Monopole (b) Self-Support, (c) Guyed, or (d) Other during this reporting period?	N/A	N/A	N/A	N/A						
17b-6. Average cost per tower installed	$0.00	$0.00	$0.00	$0.00						

17b-7. Total spend on Tower deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17b-8. Total spend on microwave deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17b. Microwave *, Long Text Responses and File Uploads**										
Current Period (Year 2, Period 2)										
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 associated costs. (200 words or less).										
17b-10. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the microwave nodes created during this reporting period.										

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?	N/A	N/A	NA	N/A						
17c-2. What is the estimated capacity of the satellite link (i.e. throughput)?	0	0	0	0						
17c-3. What is the associated cost to use this satellite service?	$0.00	$0.00	$0.00	$0.00						
17c. Satellite *, Long Text Responses and File Uploads**										
Current Period (Year 2, Period 2)										
17c-4. Please provide any additional information about the Satellite deployment (200 words or less)	N/A									

17c-5. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the satellite network accessed during this reporting period.	

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.
Shentel certifies that we are in compliance with Federal labor and employment laws along with the requirements of the Infrastructure Investment and Jobs Act and Middle Mile Grant Program for the biannual period for which this report is being filed.
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.
Based on NTIA's published BABA exception policy, Horizon's equipment procurement activities are not subject to BABA compliance. **File Uploaded:** MMG Inventory Report_Horizon - 2025_04_30.xlsx, labor-compliance.pdf

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:	Dan Meenan
20b. Signature of Certifying Official:	Dan Meenan
20c. Telephone (area code, number and extension):	
20d. Email Address:	dan.meenan@emp.shentel.com
20e. Date:	05/27/2025