



OMB Control No. 0660-0049 Expiration Date: 07/31/2025

## BROADBAND INFRASTRUCTURE PROGRAM PERFORMANCE (TECHNICAL) REPORT

## GENERAL INFORMATION

GENERAL	Recipient Organization:	Government of Guam Department of Administration	Award Identification Number:	66-08-12208
	Recipient Street Address:	P.O. Box 884	Report Submission Date (MM/DD/YYYY):	11/10/2022
	City, State, Zip Code:	Hagatna, GU 96932-0884	Final Report	Yes <input type="checkbox"/>
	DUNS/UEI Number:	J5DHQHSHTJE7		No <input checked="" type="checkbox"/>
	Period of Performance Start Date (MM/DD/YYYY):	03/1/2022	Period of Performance End Date (MM/DD/YYYY):	2/28/2023
	Report Period Start Date (MM/DD/YYYY):	04/1/2022	Report Period End Date (MM/DD/YYYY):	09/30/2022

## INFRASTRUCTURE MILESTONE CATEGORIES


Please provide the percent complete for the following key milestones of 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 include them at the bottom of the table and specify. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting period. Please provide a narrative description if the percent complete does not align to the target provided in your baseline plan. (300 words or less)			
	MILESTONES	Percent Complete	Narrative (Describe reasons for variances from the baseline plan)
1a	1. Overall Project	2%	
	2. Environmental Assessment	2%	Environmental Assessment and SHPO consultation is currently in process. APE has noted locations of potential adverse effects by SHPO for the Guam Southern Ring Buried Fiber Optic Cable and 5G project conducted by IT&E. (IT&E: 10-percent complete; GTA: 75-percent complete)
	3. Network Design	10%	The middle mile and last mile routes have been identified with aerial and road level views with handhole and existing wireless tower locations noted for the Guam Southern Ring Buried Fiber Optic Cable project at 100-percent (IT&E). The Design for the Project to provide low latency to Guam users has been forwarded to the NTIA Federal Preservation Officer as part of the environmental review (GTA).
	4. Rights Of Way	100%	All Rights of Way have been identified for the Guam Southern Ring Buried Fiber Optic Cable and 5G project.
	5. Construction Permits And Other Approvals	25%	Permits have been completed pending environmental considerations for the Guam Southern Ring Buried Fiber Optic Cable and 5G project.
	6. Site Preparation	0%	Pending approval of the Six-Month Expenditure Plan and Government of Guam Memorandum of Understanding
	7. Equipment Procurement	0%	Pending approval of the Six-Month Expenditure Plan and Government of Guam Memorandum of Understanding
	8. Network Build (all components - owned, leased, Infeasible Rights of Use, etc.)	0%	Pending approval of the Six-Month Expenditure Plan and Government of Guam Memorandum of Understanding
	9. Equipment Deployment	0%	Pending approval of the Six-Month Expenditure Plan and Government of Guam Memorandum of Understanding
	10. Network Testing	0%	Pending approval of the Six-Month Expenditure Plan and Government of Guam Memorandum of Understanding
	11. Other (please specify):		
1b	Please describe significant project accomplishments during this reporting period funded through BIP grant. (600 words or less)		
	As the Guam Broadband Infrastructure Program project consists of two individual projects which are wholly distinct, the BSP received grantor approval to separate the individual projects so that the individual projects can proceed once the NEPA review is complete. The MOU between BSP, DPW, OTECH and PTI Pacifica Inc., dba IT&E has been signed by responsible parties and is under review by the Office of the Attorney General.		
1c	Please describe any challenges to achieving project accomplishments during this reporting period funded through BIP grant. (600 words or less)		
	The TeleGuam Holdings LLC, dba GTA is awaiting approval regarding BSP's request to NTIA/NIST to extend the project to 2/28/2025 before entering into an agreement (MOU) with BSP and OTECH to conduct the Project to Provide Low Latency to Guam Users.		

## NETWORK BUILD PROGRESS

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. Please select the appropriate drop-down option to indicate if the network build progress item is either middle-mile, last-mile, both, or not applicable. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting semi-annual period. Please provide a narrative description if the total does not align to the target provided in your baseline plan. (300 words or less)				
	NETWORK BUILD PROGRESS	Middle Mile or Last Mile	Total	Narrative (Describe reasons for variances from the baseline plan)
2	2a. Number of new fiber miles (aerial or underground)	Both	0	Receipt of the necessary OSP and Network Core goods are required plus approval of the Categorical Exclusion report
	2b. Number of fiber miles leased			
	2c. Number of existing fiber miles upgraded			
	2d. Number of new wireless links			The intent of the fiber optic Middle Mile project is to eliminate inter-tower and inter-office wireless links to improve network resiliency and throughput for the Guam Southern Ring Buried Fiber Optic Cable project.
	2e. Number of new towers			All of the 26 wireless towers are existing towers that will be augmented with larger antennas and new radios for Guam Southern Ring Buried Fiber Optic Cable project.
	2f. Number of new interconnection points		0	No new technically feasible interconnection points are being added for the Guam Southern Ring Buried Fiber Optic Cable project.
	2g. Number of signed agreements with broadband wholesalers or last-mile providers (include names of broadband wholesalers or last-mile providers in the narrative column)		0	

2h. Number of potential agreements (i.e., agreements currently being negotiated) with broadband wholesalers or last-mile providers (This number should NOT be reported cumulatively)		0	PTI Pacifica dba IT&E does not expect any interest in wholesale agreements until the completion of the network can be better established. TeleGuam Holdings dba GTA will lease 100 Gbps of capacity for 15 years for the Project to Provide Low Latency to Guam Users. The project utilizes an IRU for capacity in an existing undersea cable.
2i. Number of wireless licenses obtained		0	PTI Pacifica, Inc, independent of the NTIA BIP has acquired 50 MHz of spectrum in Band 41, 2.5 GHz that will support FWA in Guam. The mobile wireless CMRS 700 and 1900 MHz spectrum are also available to support the FWA in an approach comparable to the Tmobile FWA application. The 50 MHz of Band 41 will support the FWA as PTI Pacifica, Inc. purchased that spectrum with 100% of their own funds. The same applies to the CMRS spectrum with 100% purchased with PTI Pacifica, Inc. funds.
2j. Other (please specify):			

BROADBAND ACCESS KEY INDICATORS						
Please use the following table to provide anticipated key indicators with the cumulative totals for each beneficiary category and access type for your infrastructure service or project. Information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include an indicator. Please provide a narrative description if the total does not align to the target provided in your baseline plan. (300 words or less)						
PROJECTED NUMBER OF SUBSCRIBERS AND SPEED		Total	Narrative (Describe reasons for variances from the baseline plan)			
BENEFICIARY TYPE	ACCESS TYPE					
3a. Unserved Households	1. Number of Households passed/serviceable	0	At this time, none of the 10,219 housing units in the Southern Guam region have received improved broadband access from the BIP. Construction will begin after the Environmental Considerations report; including the mitigation plan, are approved.			
	2. Households with new access		Many of the hhs have access to broadband but none, based on Form 477 to 25/3 or higher for the southern Guam region.			
	3. Households with improved access		None at this time for the Guam Southern Ring Buried Fiber Optic project. Following completion of the build-outs, more than 4,900 with improved access. The project to provide low latency to Guam users will improve latency for over 63,000 residential and business subscribers on Guam.			
	Total number of Households served	0				
	4. Number of Households served with speeds of at least 25/3		Currently, per the June 30, 2021 Form 477, zero for the Guam Southern Ring Buried Fiber Optic Cable project.			
	5. Number of Households served with speeds of at least 100/20		Currently, per the June 30, 2021 Form 477, zero for the Guam Southern Ring Buried Fiber Optic Cable project.			
3b. Businesses	1. Number of Businesses passed/serviceable					
	2. Businesses with new access					
	3. Businesses with improved access					
	Total number of Businesses served	0				
	4. Number of Businesses served with speeds of at least 25/3					
3c. Community Anchor Institutions (CAIs)	1. Number of CAIs passed/serviceable	0	These are the CAIs (schools, community centers, clinics) that will be addressable with the FWA network for improved broadband access in the Southern Guam region. Construction will begin after the Environmental Considerations report, including the mitigation plan, are approved by NTIA.			
	2. CAIs with new access					
	3. CAIs with improved access					
	Total number of CAIs served	0				
	4. Number of CAIs served with speeds of at least 25/3					
3d. Broadband Wholesalers or Last Mile Providers	1. Number of Broadband wholesalers or last-mile providers		None, pending completion of the network			
	2. Broadband wholesalers or last-mile providers with new access		None, pending completion of the network			
	3. Broadband wholesalers or last-mile providers with improved access		None, pending completion of the network			
	Total number of Broadband wholesalers or last-mile providers served	0	None, pending completion of the network			
	4. Number of Broadband wholesalers or last-mile providers served with speeds of at least 25/3		None, pending completion of the network			
	5. Number of Broadband wholesalers or last-mile providers served with speeds of at least 100/20		None, pending completion of the network			
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.						
Projected Budget Element	Federal Funds	Non Federal Funds	Total Budget (Federal plus Non Federal)	Federal Funds Expended to Date	Non Federal Funds Expended to Date	Total Funds Expended
4a. Administrative and legal expenses	50,000.00	-	50,000.00	-	-	-
4b. Land, structures, rights-of-way, appraisals, etc.	-	-	-	-	-	-
4c. Relocation expenses and payments	-	-	-	-	-	-
4d. Architectural and engineering fees	-	-	-	-	-	-
4e. Other architectural and engineering fees	-	-	-	-	-	-
4f. Project inspection fees	-	-	-	-	-	-
4g. Site work	8,604.40	-	8,604.40	-	-	-
4h. Demolition and removal	-	-	-	-	-	-
4i. Construction	10,318,745.00	-	10,318,745.00	-	-	-
4j. Equipment	1,849,271.97	-	1,849,271.97	-	-	-
4k. Miscellaneous	3,140.00	-	3,140.00	-	-	-
4l. Subtotal	\$ 12,229,761.37	\$ -	\$ 12,229,761.37	\$ -	\$ -	\$ -
4m. Contingencies	\$ 540,930.81	\$ 140,994.53	\$ 681,925.34	\$ -	\$ -	\$ -
4n. Totals	\$ 12,770,692.18	\$ 140,994.53	\$ 12,911,686.71	\$ -	\$ -	\$ -
OTHER INDICATORS						
Please use the following table to provide the total for each question. List the projected total for the number of new position created and or filled this reporting period. Information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include an indicator.						
5	Workforce Indicator		Total	Narrative (Describe reasons for variances from the baseline plan)		
	Outcome	Questions				
	5a. New positions available and funded through BIP grant	1. Number of new positions created	0			
		2. Number of new positions filled	0			
Please use the following table to provide the maximum upload and download speed for each question. Information should be reported as of the report date. Please write "N/A" if your project does not include an indicator.						
6	Broadband Speed			Upload	Download	
	Outcome	Questions				
	6a. Maximum available speed upon project completion	1. What is the maximum available speeds for Households in your eligible area?		100	100	
		2. What is the maximum available speeds for Businesses in your eligible area?		100	100	
3. What is the maximum available speeds for CAIs in your eligible area?			100	100		
CERTIFICATION						

CERTIFICATION	I certify to the best of knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.		
	Typed or printed name and title of Authorized Certifying Official:	Lola E. Leon Guerrero Director, Bureau of Statistics and Plans	Telephone (area code, number and extension): (671) 472-4201/2/3
	Signature of Certifying Official:		Email Address: lolalg@bsp.guam.gov
			Date: 11/10/2022



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BROADBAND INFRASTRUCTURE PROGRAM PERFORMANCE (TECHNICAL) REPORT				
<b>GENERAL INFORMATION</b>				
GENERAL	Recipient Organization:	Government of Guam Department of Administration	Award Identification Number:	66-08-12208
	Recipient Street Address:	P.O. Box 884	Report Submission Date (MM/DD/YYYY):	05/17/2023
	City, State, Zip Code:	Hagatna, GU 96932-0884	Final Report	Yes <input type="checkbox"/>
	DUNS/UEI Number:	J5DHQHSHTJE7	No <input checked="" type="checkbox"/>	
	Period of Performance Start Date (MM/DD/YYYY):	03/1/2022	Period of Performance End Date (MM/DD/YYYY):	2/28/2025
	Report Period Start Date (MM/DD/YYYY):	10/1/2022	Report Period End Date (MM/DD/YYYY):	03/31/2023
<b>INFRASTRUCTURE MILESTONE CATEGORIES</b>				
Please provide the percent complete for the following key milestones of 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 include them at the bottom of the table and specify. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting period. Please provide a narrative description if the percent complete does not align to the target provided in your baseline plan. (300 words or less)				
1a	<b>MILESTONES</b>	<b>Percent Complete</b>	<b>Narrative (Describe reasons for variances from the baseline plan)</b>	
	1. Overall Project	8%		
	2. Environmental Assessment	45%		
	3. Network Design	50%	For the Guam Southern Ring Buried Fiber Optic Cable and 5G Project, the middle mile and last mile routes have been identified with aerial and road level views with handhole and existing wireless tower locations. For the Broadband Infrastructure Program to Provide Low Latency to Guam Users, the conceptual design is complete and pending vendor selection.	
	4. Rights Of Way	100%	All Rights of Way have been identified for the Guam Southern Ring Buried Fiber	
	5. Construction Permits And Other Approvals	25%	For the Guam Southern Ring Buried Fiber Optic Cable and 5G project, permits have been completed and pending environmental considerations report.	
	6. Site Preparation	0%		
	7. Equipment Procurement	0%	No equipment has been procured as the Bureau of Statistics and Plans is in the process of entering in an agreement (MOU) with subrecipient, TeleGuam Holdings, LLC dba GTA, to perform the work to provide low latency to Guam users.	
	8. Network Build (all components - owned, leased, Infeasible Rights of Use, etc.)	0%		
	9. Equipment Deployment	0%		
	10. Network Testing	0%		
11. Other (please specify):				
1b	Please describe significant project accomplishments during this reporting period funded through BIP grant. (600 words or less)			
	<p>The Memorandum of Understanding between the Government of Guam and PTI Pacific, Inc. dba IT&amp;E was fully executed on 11/16/2022 for the Guam Southern Buried Fiber Optic Cable and 5G project. Following a competitive bid, IT&amp;E awarded an environmental consulting firm a contract for the environmental report and federal consistency compliance. The firm, EA Engineering, Services, and Technology, Inc., Public Benefit Corporation (PBC), also known as EA, has retained International Archaeology, LLC to complete the cultural resources review and planning. EA is the project prime and are preparing the natural resources review and planning. The cost for the environmental report is being funded by IT&amp;E and it is not included in the federal funding for this project. On 3/22/2023, the NIST Grants Officer approved Guam's request for environmental assessment extension to 8/31/2023 for the Guam Southern Ring Buried Fiber Optic Cable and 5G project.</p> <p>The first draft of the environmental report was presented to ITE for review and comments on 3/31/2023.</p> <p>With NIST's 03/02/2023 approval to extend the award end date to February 28, 2025 at no cost to the government, the Guam Bureau of Statistics and Plans will move forward in entering into an agreement (MOU) with GTA to perform work to provide low latency to Guam users. During the reporting period, the NIST Grants Office notified the Guam Bureau of Statistics and Plans that the Broadband Infrastructure Program to Provide Low Latency to Guam users to be conducted by TeleGuam Holdings, LLC dba GTA qualifies for Categorical Exclusion. The NTIA's Office of Internet Connectivity and Growth has determined that there are no potential environmental considerations (NEPA) associated with the GTA project to Provide Low Latency to Guam Users, nor would the undertaking have the likely potential to affect known historic properties or tribal resources.</p>			
1c	Please describe any challenges to achieving project accomplishments during this reporting period funded through BIP grant. (600 words or less)			
	<p>The Memorandum of Understanding between Government of Guam and TeleGuam Holdings, LLC dba GTA was not executed during the reporting period. Under the current terms of the award, the grant is expected to be expire on February 28, 2023. GTA did not enter into an agreement with the Bureau of Statistics and Plans, Government of Guam as GTA will be bound to complete the project by February 28, 2023. With the approval by NIST to extend the award end date to February 28, 2025, the Guam Department of Administration extended the account and the Bureau of Statistics and Plans is establishing an agreement with GTA to conduct the Broadband Infrastructure Program to Provide Low Latency to Guam users project.</p> <p>With respect to the Guam Southern Ring Buried Fiber Optic Cable and 5G project, the time required for an approved and fully executed MOU between the parties delayed the start of the environmental requirements. The environmental requirement for the size of this project is a six to seven month project as noted by the environmental consultants.</p>			
<b>NETWORK BUILD PROGRESS</b>				
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. Please select the appropriate drop-down option to indicate if the network build progress item is either middle-mile, last-mile, both, or not applicable. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting semi-annual period. Please provide a narrative description if the total does not align to the target provided in your baseline plan. (300 words or less)				
2	<b>NETWORK BUILD PROGRESS</b>	<b>Middle Mile or Last Mile</b>	<b>Total</b>	<b>Narrative (Describe reasons for variances from the baseline plan)</b>
	2a. Number of new fiber miles (aerial or underground)	Both	0	Receipt of the necessary OSP and Network Core goods are required plus approval of the Categorical Exclusion report for the Guam Southern Ring Buried Fiber Optic Cable and 5G project.
	2b. Number of fiber miles leased		0	
	2c. Number of existing fiber miles upgraded		0	
	2d. Number of new wireless links		0	
	2e. Number of new towers		0	
	2f. Number of new interconnection points		0	
	2g. Number of signed agreements with broadband wholesalers or last-mile providers (include names of broadband wholesalers or last-mile providers in the narrative column)		0	
	2h. Number of potential agreements (i.e., agreements currently being negotiated) with broadband wholesalers or last-mile providers (This number should NOT be reported cumulatively)		0	

	2i. Number of wireless licenses obtained		0	PTI Pacifica, Inc, independent of the NTIA BIP has acquired 50 MHz of spectrum in Band 41, 2.5 GHz that will support Fixed Wireless Access (FWA) in Guam. The mobile wireless CMRS 700 and 1900 MHz spectrum are also available to support the FWA in an approach comparable to the Tmobile FWA application. The 50 MHz of Band 41 will support the FWA as IT&E purchased that spectrum with 100% of their own funds. The same applies to the CMRS spectrum with 100% purchased with PTI Pacifica, Inc. dba IT&E funds.
	2j. Other (please specify):			

BROADBAND ACCESS KEY INDICATORS						
Please use the following table to provide anticipated key indicators with the cumulative totals for each beneficiary category and access type for your infrastructure service or project. Information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include an indicator. Please provide a narrative description if the total does not align to the target provided in your baseline plan. (300 words or less)						
BENEFICIARY TYPE	PROJECTED NUMBER OF SUBSCRIBERS AND SPEED	Total	Narrative (Describe reasons for variances from the baseline plan)			
	ACCESS TYPE					
3a. Unserved Households	1. Number of Households passed/serviceable	0				
	2. Households with new access	0				
	3. Households with improved access	0				
	Total number of Households served	0				
	4. Number of Households served with speeds of at least 25/3	0	Currently, per the June 30, 2021 Form 477, zero for the Guam Southern Ring Buried Fiber Optic Cable project.			
3b. Businesses	5. Number of Households served with speeds of at least 100/20	0	Currently, per the June 30, 2021 Form 477, zero for the Guam Southern Ring Buried Fiber Optic Cable project.			
	1. Number of Businesses passed/serviceable	0				
	2. Businesses with new access	0				
	3. Businesses with improved access	0				
	Total number of Businesses served	0				
3c. Community Anchor Institutions (CAIs)	4. Number of Businesses served with speeds of at least 25/3	0	PTI has FWA customers in Southern Guam region but due to the limitations of the current Middle Mile, they serve very few. The BIP award is funding the purchase and deployment of more powerful radios and larger antennas to implement a resilient, high bandwidth Middle Mile that will support services of 100/20. BIP construction has not been approved at this time.			
	5. Number of Businesses served with speeds of at least 100/20	0				
	1. Number of CAIs passed/serviceable	0	These are the CAIs (schools, community centers, clinics) that will be addressable with the FWA network for improved broadband access in the Southern Guam region. Construction will begin after the Environmental Considerations report, including the mitigation plan, are approved by NTIA.			
	2. CAIs with new access	0				
	3. CAIs with improved access	0				
3d. Broadband Wholesalers or Last Mile Providers	Total number of CAIs served	0				
	4. Number of CAIs served with speeds of at least 25/3	0				
	5. Number of CAIs served with speeds of at least 100/20	0				
	1. Number of Broadband wholesalers or last-mile providers	0	None, pending completion of the network			
	2. Broadband wholesalers or last-mile providers with new access	0	None, pending completion of the network			
	3. Broadband wholesalers or last-mile providers with improved access	0	None, pending completion of the network			
	Total number of Broadband wholesalers or last-mile providers served	0	None, pending completion of the network			
	4. Number of Broadband wholesalers or last-mile providers served with speeds of at least 25/3	0	None, pending completion of the network			
	5. Number of Broadband wholesalers or last-mile providers served with speeds of at least 100/20	0	None, pending completion of the network			
	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.						
Projected Budget Element	Federal Funds	Non Federal Funds	Total Budget (Federal plus Non Federal)	Federal Funds Expended to Date	Non Federal Funds Expended to Date	Total Funds Expended
4a. Administrative and legal expenses	55,867.00	-	55,867.00	17,976.15	-	17,976.15
4b. Land, structures, rights-of-way, appraisals, etc.	-	-	-	-	-	-
4c. Relocation expenses and payments	-	-	-	-	-	-
4d. Architectural and engineering fees	37,957.18	-	37,957.18	-	-	-
4e. Other architectural and engineering fees	-	-	-	-	-	-
4f. Project inspection fees	-	-	-	-	-	-
4g. Site work	8,604.40	-	8,604.40	-	-	-
4h. Demolition and removal	-	-	-	-	-	-
4i. Construction	5,479,597.18	-	5,479,597.18	-	-	-
4j. Equipment	7,186,126.42	-	7,186,126.42	-	-	-
4k. Miscellaneous	2,540.00	-	2,540.00	-	-	-
4l. Subtotal	\$ 12,770,692.18	\$ -	\$ 12,770,692.18	\$ 17,976.15	\$ -	\$ 17,976.15
4m. Contingencies	-	\$ 140,994.53	\$ 140,994.53	\$ -	\$ -	\$ -
4n. Totals	\$ 12,770,692.18	\$ 140,994.53	\$ 12,911,686.71	\$ 17,976.15	\$ -	\$ 17,976.15
OTHER INDICATORS						
Please use the following table to provide the total for each question. List the projected total for the number of new position created and or filled this reporting period. Information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include an indicator.						
5	Workforce Indicator		Total	Narrative (Describe reasons for variances from the baseline plan)		
	Outcome	Questions				
	5a. New positions available and funded through BIP grant	1. Number of new positions created	0			
		2. Number of new positions filled	0			
Please use the following table to provide the maximum upload and download speed for each question. Information should be reported as of the report date. Please write "N/A" if your project does not include an indicator.						
6	Broadband Speed		Upload	Download		
	Outcome	Questions				
	6a. Maximum available speed upon project completion	1. What is the maximum available speeds for Households in your eligible area?	100	100		
		2. What is the maximum available speeds for Businesses in your eligible area?	100	100		
		3. What is the maximum available speeds for CAIs in your eligible area?	100	100		
CERTIFICATION						
I certify to the best of knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.						
				Telephone (area	(671) 472-4201/2/3	

CERTIFICATION	Typed or printed name and title of Authorized Certifying Official:	Lola E. Leon Guerrero Director, Bureau of Statistics and Plans	Telephone (area code, number and extension):	
	Signature of Certifying Official:	<i>Lola E. Leon Guerrero</i>	Email Address:	lolalg@bsp.guam.gov
			Date:	5/17/2023





OMB Control No. 0660-0049 Expiration Date: 07/31/2025

## BROADBAND INFRASTRUCTURE PROGRAM PERFORMANCE (TECHNICAL) REPORT

## GENERAL INFORMATION

GENERAL	Recipient Organization:	Government of Guam Department of Administration	Award Identification Number:	66-08-12208
	Recipient Street Address:	P.O. Box 884	Report Submission Date (MM/DD/YYYY):	10/30/2023
	City, State, Zip Code:	Hagatna, GU 96932-0884	Final Report	Yes <input type="checkbox"/>
	DUNS/UEI Number:	JSDHQHSHTJE7		No <input checked="" type="checkbox"/>
	Period of Performance Start Date (MM/DD/YYYY):	03/1/2022	Period of Performance End Date (MM/DD/YYYY):	2/28/2025
	Report Period Start Date (MM/DD/YYYY):	04/1/2023	Report Period End Date (MM/DD/YYYY):	09/30/2023

## INFRASTRUCTURE MILESTONE CATEGORIES

Please provide the percent complete for the following milestones on 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 include them at the bottom of the table and specify, unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting period. Please provide a narrative description if the percent complete does not align to the target provided in your baseline plan. (300 words or less)		
MILESTONES	Percent Complete	Narrative (Describe reasons for variances from the baseline plan)
1. Overall Project	5%	The overall project completion has been updated to reflect the two projects covering the 1) Guam Southern Ring Buried Fiber Optic Cable and 5G project (PTI Pacifica, Inc. dba IT&E) and the 2) Project to Provide Low Latency to Guam users (TeleGuam Holdings, LLC dba GTA). IT&E is further along in the project at 9% completion as of this reporting period. For the Guam Southern Ring Buried Fiber Optic Cable and 5G project, the Guam State Historic Preservation Office (SHPO) requires conventional trenching using a smooth 12" blade and an excavator in the moderate and high sensitivity areas. Micro trench construction uses a 4" to 4" wide cut. The SHPO request is the basis for the modest improvement in the project completion for the Guam Southern Ring Buried Fiber Optic Cable and 5G project. With regard to the Project to Provide Low Latency Project to Guam users to be conducted by GTA, the MOU between the Bureau of Statistics and Plans, Office of Technology, Department of Public Works and GTA was fully executed on August 2023 as signed by the Governor of Guam. In this regard, GTA has just starting up on the project with 0% completion as of this reporting period. Overall project completion for the two projects is at 5-percent.
2. Environmental Assessment	95%	The environmental assessment completion is reported at 95-percent for the Guam Southern Ring Buried Fiber Optic Cable and 5G project. The Guam SHPO requested further information concerning 14 locations on the route. The subrecipient, PTI Pacifica, Inc. is providing additional information to SHPO and the Archaeological Research Design (RD) for the Section 106 compliance is being updated for SHPO review and approval. The NEPA report will be revised based on any changes in the Research Design that impact the NEPA. IT&E is addressing potential changes to Research Design such that low sensitivity areas may be revised to be recognized as moderate sensitivity areas based on the elevation of the earth on each side of the roadway. As of this reporting period, the CZMA Federal Consistency report has been routed to the Bureau of Statistics and Plans for review of the current Archaeological Research Design and accompanying NEPA report. For the Project to Provide Low Latency to Guam users to be conducted by GTA, this activity is not applicable (N/A) as the environmental assessment is not required for this project. NTIA's Office of Internet Connectivity and Growth has determined that there are no potential environmental considerations associated with the proposed action for the project to provide low latency to Guam users.
3. Network Design	50%	For the Guam Southern Ring Buried Fiber Optic Cable and 5G Project, the network design is reported at 100-percent completion. For the Project to Provide Low Latency to Guam users, the network design is reported at 0-percent. The network design will be conducted upon the selection of the vendor. Total network design completion during this reporting period is reported at 50-percent.
4. Rights Of Way	100%	All Rights of Way have been identified for the Guam Southern Ring Buried Fiber Optic Cable and 5G project at 100-percent. For the Project to Provide Low Latency to Guam users, this is not applicable (N/A).
5. Construction Permits And Other Approvals	65%	Permits are pending approvals by NTIA and the Archaeological Research Design by NTIA/SHPO are required for the Guam Southern Ring Buried Fiber Optic Cable and 5G project. Additionally, the Guam Southern Ring Buried Fiber Optic Cable and 5G project is awaiting federal consistency approval of the project. For the Project to Provide Low Latency to Guam users, this is not applicable (N/A).
6. Site Preparation	0%	
7. Equipment Procurement	0%	The amount of \$1,335,648.64 was expended and covers the administrative and legal expenses and the IP Core for the Guam Southern Ring Buried Fiber Optic Cable and 5G project. As of this reporting period, the Bureau of Statistics and Plans is in receipt of invoices from subrecipient, PTI Pacifica, Inc., dba IT&E for the Guam Southern Ring Buried Fiber Optic Cable and 5G project for review and processing. The invoices processed will be reflected in the next reporting period.
8. Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	0%	
9. Equipment Deployment	0%	
10. Network Testing	0%	
11. Other (please specify):		

1b	Please describe significant project accomplishments during this reporting period funded through BIP grant. (600 words or less)			
	With regard to the Guam Southern Ring Buried Fiber Optic Cable and 5G project to be conducted by subrecipient, PTI Pacifica, Inc., dba IT&E, the Section 106 cultural resources draft research design is being updated as requested by the Guam State Historic Preservation Office (SHPO). The biological field survey was updated based on the revised field surveys completed after the passing of Typhoon Mawar in May 2023. For the Project to Provide Low Latency to Guam users to be conducted by subrecipient, TeleGuam Holdings, LLC dba GTA, the MOU between the Bureau of Statistics and Plans, the Office of Technology, the Department of Public Works and GTA was fully executed on August 28, 2023 as signed by the Governor of Guam. The Indefeasible Right to Use (IRU) Invitation for Bid announcement for the capital lease of a 100 Gbps optical capacity of an Asia Pacific cable system between Guam to Japan was issued on September 22, 2023. The award of the bid is expected to be issued in the next reporting period.			
1c	Please describe any challenges to achieving project accomplishments during this reporting period funded through BIP grant. (600 words or less)			
	The Bureau of Statistics and Plans is awaiting the approval and completion of the NHPA, NEPA, and CZMA federal consistency for the Guam Southern Ring Buried Fiber Optic Cable and 5G project. For the Project to Provide Low Latency to Guam users, the project timelines were adjusted as the MOU between the Bureau of Statistics and Plans, the Office of Technology, the Department of Public Works and GTA was fully executed on August 28, 2023.			
<b>NETWORK BUILD PROGRESS</b>				
2	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. Please select the appropriate drop-down option to indicate if the network build progress item is either middle-mile, last mile, both, or not applicable. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting semi-annual period. Please provide a narrative description if the total does not align to the target provided in your baseline plan. (300 words or less)			
	<b>NETWORK BUILD PROGRESS</b>	<b>Middle Mile or Last Mile</b>	<b>Total</b>	<b>Narrative (Describe reasons for variances from the baseline plan)</b>
	2a. Number of new fiber miles (aerial or underground)	Both	0	Receipt of the necessary approval of the Categorical Exclusion report for the Guam Southern Ring Buried Fiber Optic Cable and 5G project is required prior to the initiation of the OSP construction. The Project to Provide Low Latency to Guam users is N/A.
	2b. Number of fiber miles leased		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project is N/A. The Project to Provide Low Latency to Guam users is Middle Mile at 0.
	2c. Number of existing fiber miles upgraded		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project is N/A. The Project to Provide Low Latency to Guam users is N/A.
	2d. Number of new wireless links		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project reports 0. The Project to Provide Low Latency to Guam users is N/A.
	2e. Number of new towers		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project reports 0. The Project to Provide Low Latency to Guam users is N/A.
	2f. Number of new interconnection points		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project reports 0. The Project to Provide Low Latency to Guam users is Middle Mile at 0.
	2g. Number of signed agreements with broadband wholesalers or last-mile providers (include names of broadband wholesalers or last-mile providers in the narrative column)		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project reports 0. The Project to Provide Low Latency to Guam users is N/A.
	2h. Number of potential agreements (i.e., agreements currently being negotiated) with broadband wholesalers or last-mile providers (This number should NOT be reported cumulatively)		0	The Guam Southern Ring Buried Fiber Optic Cable and 5G project reports 0. The Project to Provide Low Latency to Guam users is N/A.
	2i. Number of wireless licenses obtained		0	PTI Pacifica, Inc, independent of the NTIA BIP has acquired 50 MHz of spectrum in Band 41, 2.5 GHz that will support Fixed Wireless Access (FWA) in Guam. The mobile wireless CMRS 700 and 1900 MHz spectrum are also available to support the FWA in an approach comparable to the Tmobile FWA application. The 50 MHz of Band 41 will support the FWA as IT&E purchased that spectrum with 100% of their own funds. The same applies to the CMRS spectrum with 100% purchased with PTI Pacifica, Inc. dba IT&E funds. The Project to Provide Low Latency to Guam users is N/A.
	2j. Other (please specify):			
<b>BROADBAND ACCESS KEY INDICATORS</b>				
3	Please use the following table to provide anticipated key indicators with the cumulative totals for each beneficiary category and access type for your infrastructure service or project. Information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include an indicator. Please provide a narrative description if the total does not align to the target provided in your baseline plan. (300 words or less)			
	<b>BENEFICIARY TYPE</b>	<b>PROJECTED NUMBER OF SUBSCRIBERS AND SPEED</b>	<b>Total</b>	<b>Narrative (Describe reasons for variances from the baseline plan)</b>
	3a. Unserved Households	1. Number of Households passed/serviceable	0	
		2. Households with new access	0	
		3. Households with improved access	0	
		Total number of Households served	0	
		4. Number of Households served with speeds of at least 25/3	0	Per the June 30, 2021 Form 477, zero for the Guam Southern Ring Buried Fiber Optic Cable project.
	3b. Businesses	5. Number of Households served with speeds of at least 100/20	0	Per the June 30, 2021 Form 477, zero for the Guam Southern Ring Buried Fiber Optic Cable project.
		1. Number of Businesses passed/serviceable	0	
		2. Businesses with new access	0	
		3. Businesses with improved access	0	
		Total number of Businesses served	0	
	3c. Community Anchor Institutions (CAIs)	4. Number of Businesses served with speeds of at least 25/3	0	PTI has FWA customers in Southern Guam region but due to the limitations of the current Middle Mile, they serve very few. The BIP award is funding the purchase and deployment of more powerful radios and larger antennas to implement a resilient, high bandwidth Middle Mile that will support services of 100/20. BIP construction has not been approved at this time.
		5. Number of Businesses served with speeds of at least 100/20	0	
		1. Number of CAIs passed/serviceable	0	There are CAIs (schools, community centers, clinics) that will be addressable with the FWA network for improved broadband access in the Southern Guam region. Construction will begin after the Environmental Considerations report, including the mitigation plan, are approved by NTIA.
		2. CAIs with new access	0	
		3. CAIs with improved access	0	
		Total number of CAIs served	0	
	4. Number of CAIs served with speeds of at least 25/3	0		
	5. Number of CAIs served with speeds of at least 100/20	0		

3d. Broadband Wholesalers or Last Mile Providers	passed/serviceable	0	None, pending completion of the network
	2. Broadband wholesalers or last-mile providers with new access	0	None, pending completion of the network
	3. Broadband wholesalers or last-mile providers with improved access	0	None, pending completion of the network
	Total number of Broadband wholesalers or last-mile providers served	0	None, pending completion of the network
	4. Number of Broadband wholesalers or last-mile providers served with speeds of at least 25/3	0	None, pending completion of the network
	5. Number of Broadband wholesalers or last-mile providers served with speeds of at least 100/20	0	None, pending completion of the network


## 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.						
Projected Budget Element	Federal Funds	Non Federal Funds	Total Budget (Federal plus Non Federal)	Federal Funds Expended to Date	Non Federal Funds Expended to Date	Total Funds Expended
4a. Administrative and legal expenses	55,867.00		55,867.00	17,976.15	-	17,976.15
4b. Land, structures, rights-of-way, appraisals, etc.	-	-	-	-	-	-
4c. Relocation expenses and payments	-	-	-	-	-	-
4d. Architectural and engineering fees	37,957.18	3,795.71	41,752.89	-	-	-
4e. Other architectural and engineering fees	-	-	-	-	-	-
4f. Project inspection fees	-	-	-	-	-	-
4g. Site work	8,604.40	860.40	9,464.80	-	-	-
4h. Demolition and removal	-	-	-	-	-	-
4i. Construction	5,479,597.18	120,000.00	5,599,597.18	-	-	-
4j. Equipment	7,186,126.42	16,338.42	7,202,464.84	1,337,672.49	-	1,337,672.49
4k. Miscellaneous	2,540.00	-	2,540.00	-	-	-
4l. Subtotal	\$ 12,770,692.18	\$ 140,994.53	\$ 12,911,686.71	\$ 1,355,648.64	\$ -	\$ 1,355,648.64
4m. Contingencies			\$ -	\$ -	\$ -	\$ -
4n. Totals	\$ 12,770,692.18	\$ 140,994.53	\$ 12,911,686.71	\$ 1,355,648.64	\$ -	\$ 1,355,648.64

## OTHER INDICATORS

Please use the following table to provide the total for each question. List the projected total for the number of new position created and or filled this reporting period. Information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include an indicator.					
5	Workforce Indicator		Total	Narrative (Describe reasons for variances from the baseline plan)	
	Outcome	Questions			
	5a. New positions available and funded through BIP grant	1. Number of new positions created	0		
		2. Number of new positions filled	0		
Please use the following table to provide the maximum upload and download speed for each question. Information should be reported as of the report date. Please write "N/A" if your project does not include an indicator.					
6	Broadband Speed			Upload	Download
	Outcome	Questions			
	6a. Maximum available speed upon project completion	1. What is the maximum available speeds for Households in your eligible area?		100	100
		2. What is the maximum available speeds for Businesses in your eligible area?		100	100
		3. What is the maximum available speeds for CAIs in your eligible area?		100	100

## CERTIFICATION

I certify to the best of knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.				
CERTIFICATION	Typed or printed name and title of Authorized Certifying Official:	Lola E. Leon Guerrero Director, Bureau of Statistics and Plans	Telephone (area code, number and extension):	(671) 472-4201/2/3
	Signature of Certifying Official:		Email Address:	lolaleg@bsp.guam.gov
			Date:	10/30/2023