



The Honorable
LOURDES A. LEON GUERRERO
Maga' Håga - Governor

The Honorable
JOSHUA F. TENORIO
Sigundo Maga' Låhi - Lieutenant Governor

**Public
Works**
Pride in Public Service

VINCENT P. ARRIOLA
Director
JESSE G. GARCIA
Deputy Director



Guam Transportation Improvement Program (GTIP) Amendment 1

FY 2020-2023

Public Meeting – via Zoom

Thursday, September 24, 2020 9:00 a.m. and 5:00 p.m



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AGENDA

Welcome & Introductions

Vincent P. Arriola, Director, Department of Public Works

Overview of Amendments to GTIP FY20-23

Kristina Ingvarsson, PMT

GRTA Projects added to GTIP FY20-23

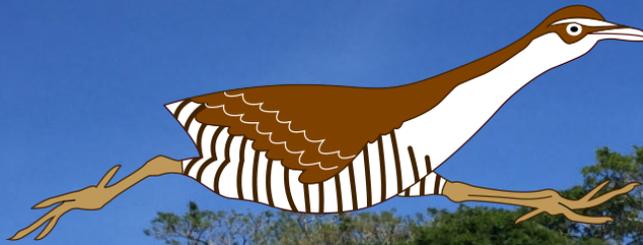
Celestin Babauta, Director, Guam Regional Transit Authority

Question and Answer

**GUAM TRANSPORTATION IMPROVEMENT PROGRAM
 AMENDMENT NO. 1
 FY 2020 - FY 2023 PROJECT LISTING**

ROADWAY AND BRIDGE PROJECTS														
PROJECT	PHASE	FY '20 (Oct 1, 2019 - Sept 30, 2020)			FY '21 (Oct 1, 2020 - Sept 30, 2021)			FY '22 (Oct 1, 2021 - Sept 30, 2022)			FY '23 (Oct 1, 2022 - Sept 30, 2023)			FUNDING CATEGORY
		TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	
Route 4, Mannell Channel Road Flood Mitigation	DES													THP
	ROW													
	CON													
Route 10, Barrigada Road Flood Mitigation	DES													THP
	ROW													
	CON													
Route 17 Reconstruction and Widening from Rt 4 to Rt 4A, Phase 1	DES	13	13											THP
	ROW													
	CON													
Ajayan Bridge Replacement	DES													THP
	ROW													
	CON													
Guatali Bridge Railing Retrofit	DES													THP
	ROW													
	CON													
Route 1, Polaris Point/Augeda Road Flood Mitigation	DES													THP
	ROW													
	CON				250	250								
Route 10 Safety Improvements	DES													THP
	ROW													
	CON							3,660	3,660					
Umatac Bridge Scour Countermeasure	DES													THP
	ROW													
	CON													
Leo Palace Bridge & Pago Bridge Scour Countermeasure	DES													THP
	ROW													
	CON				1,200	1,200								
Route 5 & portion of Route 12 Reconstruction & Widening, Phase 1	DES													THP
	ROW													
	CON				6,710	6,710								
Fonte Inland & Merizo Inland Culvert Rehabilitation	DES													THP
	ROW													
	CON							2,440	2,440					
Route 28, Rehabilitation from Rt 1 to Bumuchachu Street	DES													THP
	ROW													
	CON	5,736	5,736											
Route 14B (Ypao Road) Reconstruction and Widening, Phase 1 (Carmen Memorial Drive to Route 14)	DES													THP
	ROW													
	CON									9,455	9,455			
Route 1 Resurfacing from Rt 30 to Rt 10A	DES													THP
	ROW													
	CON	2,439	2,439											
Sub-Total (Roadway and Bridge Projects)	DES	13	13	-	-	-	-	-	-	-	-	-	-	
	ROW	-	-	-	-	-	-	-	-	-	-	-	-	
	CON	8,175	8,175	-	8,160	8,160	-	6,100	6,100	-	9,455	9,455	-	

ISLANDWIDE PROJECTS														
PROJECT	PHASE	FY '20 (Oct 1, 2019 - Sept 30, 2020)			FY '21 (Oct 1, 2020 - Sept 30, 2021)			FY '22 (Oct 1, 2021 - Sept 30, 2022)			FY '23 (Oct 1, 2022 - Sept 30, 2023)			FUNDING CATEGORY
		TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	TOTAL (x \$1000)	FEDERAL (x \$1000)	LOCAL (x \$1000)	
Islandwide Safety Projects	DES													THP
	ROW													
	CON				805	805		500	500		500	500		
American with Disabilities Act Compliance	DES				50	50								THP
	ROW													
	CON				150	150								
Islandwide Bridge Preventative Maintenance (IDIQ)	DES													THP
	ROW													
	CON	800	800		1,000	1,000		1,000	1,000					
Islandwide Safety Improvements on Primary Roads (Pavement/Striping/ Marking)	DES													THP
	ROW													
	CON	2,000	2,000					2,000	2,000					
Islandwide Highway System Signage Upgrade (IDIQ)	DES													THP
	ROW													
	CON				250	250					250	250		
Islandwide Guardrail Repair & Replacement (IDIQ)	DES													THP
	ROW													
	CON	1,000	1,000		500	500		800	800		500	500		
Traffic Signal System Equipment	EQP	150	150		150	150		150	150		150	150		THP
Legal Services	OPS	100	100		100	100		100	100		100	100		THP
Program Administration and Operations	OPS	3,825	3,825		3,872	3,872		3,887	3,887		3,882	3,882		THP
Islandwide Bridge Inspection Services	OPS	600	600		300	300		600	600		300	300		THP
Islandwide Program Management Services	OPS	4,500	4,500											THP
On-the-Job Training Support Services & National Summer Transportation Institute Program	TNG	50	50		62	62		62	62		62	62		THP
Sub-Total (Islandwide Projects)	DES	-	-	-	50	50	-	-	-	-	-	-	-	
	ROW	-	-	-	-	-	-	-	-	-	-	-	-	
	CON	3,800	3,800	-	2,805	2,805	-	4,300	4,300	-	1,250	1,250	-	
	EQP	150	150	-	150	150	-	150	150	-	150	150	-	
	TNG	50	50	-	62	62	-	62	62	-	62	62	-	
	OPS	9,025	9,025	-	4,272	4,272	-	4,587	4,587	-	4,282	4,282	-	



GRTA

GUAM REGIONAL TRANSIT AUTHORITY

Guam Transportation Improvement Plan FY2020 – FY2023, Amendment No 1

Sept 24, 2020
Thursday



AGENDA



- **Grants/Projects:**
 - **Accelerating Innovative Mobility (AIM)**
 - **Bus and Bus Facilities**
 - **CARES Act**
 - **Non-Urbanized Formula Continuing Grant**



ACCELERATING INNOVATIVE MOBILITY CHALLENGE GRANT



- **The AIM Competitive Grant - \$1.9M plus 20% matching**
- **Funds will be used to implement Mobility on Demand (MOD) - Uber-like transit**
- **Purchase UberRoutematch Transportation Management System (TMS)**
- **Lease to own 8 vehicles**
- **Will cover southern villages of Agat, Santa Rita, Piti plus Naval Base Guam**
- **Residents will be afforded a transit system that's new on Guam**



ACCELERATING INNOVATIVE MOBILITY CHALLENGE GRANT



Continued:

- Residents of Agat, Piti, Santa Rita, Naval Base Guam may download UberRoutematch mobile app schedule their rides and get picked up with a car – don't have to wait at a bus stop
- Riders are given rides to work, school, medical appointments, employment opportunity zones, shopping centers, etc.
- UOG, GRTA will partner to conduct research to compare MOD and traditional fixed route transit operations
- Results of research will be forwarded to FTA and shared with other transit agencies
- GRTA may implement MOD if it meets transportation rider expectations



FOR BUSES AND BUS FACILITIES



- **Competitive Grant Amount: \$9.5M to reduce pollution and promote healthy environment**
- **Purchase 8 ADA Electric Buses & install 8 Charging Stations**
- **Procure 8 Electric Cars**
- **Acquire UberRoutematch Transportation Management System (TMS)**
- **Design & Construct a New Park and Ride Facility**
- **Start the Mobility on Demand (Uber-like) transit**



FOR BUSES AND BUS FACILITIES



- Avail the people of Dededo, Yigo, Andersen AFB, and Ben Blaz Marine Corps Base with a transit system that's never been offered on Guam.
- Provide reliable transportation for hundreds of students attending UOG, GCC, Trades Academy, GWHS, FDMS as well as people of Dededo, Yigo, Andersen AFB, Ben Blaz Marine Corps Base



FOR BUSES AND BUS FACILITIES



- Riders download UberRoutematch TMS schedule their rides, if needed, car will be dispatch to pick them up, bring back to Park & Ride, and get on electric bus.
- Riders do not have to wait at a bus stop.



CARES ACT



- **Grant - \$2.7M**
- **Assist in addressing COVID 19 challenges –**
 - **Social distancing**
 - **Address transportation challenges**
 - **Personal Protective Equipment**
- **Procure 14 and 24 passenger buses**



NON-URBANIZED FORMULA GRANT



Annual Award Continuing Formula Grant - \$1.9M

- **Period of award – FY2020 thru FY2023**
- **Procure more buses relative to 2030 Guam Transportation Plan (GTP)**
- **GTP recommends 50 buses**
- **Construction of GRTA facility**



ADVANTAGES IN TRANSIT IMPROVEMENTS



- Reduce congestion
- Healthy environment
- Economic growth
- Transportation for most vulnerable
- Reduce road repairs
- Lower vehicle maintenance costs
- Don't have to buy expensive gas



SUMMARY



- **Grants – crucial in enhancing Guam’s transit system**
- **Without grants GRTA facility won’t be built, TMS won’t be bought, electric buses and cars non-existence**
- **Transportation needs of the most vulnerable will not be fulfilled.**





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Si Yu'os Ma'åse'

