

**GUAM TRANSPORTATION  
IMPROVEMENT PROGRAM  
AMENDMENT NO. 1**

**FY 2020-2023**

September 2020



The Government of Guam  
Department of Public Works

and



U.S. Department of Transportation  
Federal Highway Administration

# Government of Guam

## APPROVAL OF THE GUAM TRANSPORTATION IMPROVEMENT PROGRAM FY 2020 – FY 2023 AMENDMENT NO. 1

WHEREAS, the Stewardship Agreement between the Federal Highway Administration – Hawaii Federal-aid Division and the Government of Guam, executed on August 11, 2014 included a provision that the Government of Guam will develop a Guam Transportation Improvement Program (GTIP) and that the FHWA will review and approve the GTIP; and

WHEREAS, the Guam Transportation Improvement Program is developed for a period of no less than four years and amended as needed any time after the effective date of the GTIP under direction of the Government of Guam Department of Public Works; and

WHEREAS, the Governor of Guam has directed the Department of Public Works to meet U.S. Department of Transportation planning requirements; and

WHEREAS, the Department of Public Works through the conduct of a continuing, comprehensive and coordinated transportation planning process carried out in conjunction with the Government of Guam has prepared a Guam Transportation Improvement Program; and

WHEREAS, the Government of Guam Department of Public Works finds that this Guam Transportation Improvement Program has been prepared through a process of agency coordination and in accordance with required public participation procedures.

WHEREAS, the Government of Guam Department of Public Works approved the Guam Transportation Improvement Program FY2020-FY2023 on February 27, 2020 and Federal Highway Administration approved on March 3, 2020

NOW THEREFORE, BE IT RESOLVED that the Government of Guam Department of Public Works does hereby approve the Guam Transportation Improvement Program for FY 2020 -2023 as amended.

APPROVED this \_\_\_\_ day of \_\_\_\_\_, 2020

By: \_\_\_\_\_  
Vincent P. Arriola, Director, Department of Public Works

## GTIP AMENDMENT NARRATIVE

The Government of Guam Department of Public Works (DPW) developed the Transportation Improvement Program (GTIP) for the federal fiscal years 2020-2023. The GTIP was prepared in accordance with the requirements of the Fixing America's Surface Transportation (FAST) Act, in order to provide a list of transportation improvement projects for implementation. This GTIP provides a near-term improvement plan that is financially feasible, fiscally constrained, and reflects the highway projects that the DPW prioritizes for the expenditure of federal funds for the noted fiscal period.

The purpose of this GTIP amendment is to inform the Federal Highway Administration (FHWA), Federal Transit Administration (FTA), the public, and other interested parties that the DPW has met the requirements of the FAST Act for the development and amendment of the GTIP.

This GTIP is adjunct to the 2030 Guam Transportation Plan (GTP), Guam's long range (20+ year) multi modal transportation strategy and follows previous GTIP documents. The 2030 GTP was finalized December 2008 and presented a long-term strategy to improve transportation throughout Guam. The plan forecasted traffic growth through the year 2030 and included impacts associated with the potential U.S. Department of defense (USDOD) build-up as it was understood at the time the 2030 GTP was produced. Since then the military buildup planned for Guam has been reduced. To capture this change in traffic forecast and to document an analysis of traffic safety on Guam, the 2019 Traffic Safety and Operation Study (TSOS) has been developed. The TSOS supplements the 2030 GTP.

Projects in the GTIP were developed through a comprehensive transportation planning process and based on data collected through the Pavement Management System, results from the Bridge Inspection Reports, needs identified in the 2030 Guam Transportation Plan, and commitments from prior GTIP documents. The list of projects is a product of a consensus building process with decision-making supported by data driven analysis that was carried out by the DPW in cooperation with local villages, utility providers, the local government agencies and Federal government agencies.

Projects contained in the GTIP FY2020-2023 were selected to address safety issues, including issues from flooding on Guam's roadway system, pavement and bridge conditions, and provide traffic operational improvements. Funding for Guam transportation projects will come from several sources, but largely from the federal National Highway System (NHS).

A summary of the funds anticipated to be available to DPW for transportation projects over the four-year life of the GTIP is as follows:

Fiscal Year	Funding Source	Amount
2020	National Highway System	\$17,485,471
	Highway Infrastructure Programs	\$3,727,534
	Defense Access Road	\$8,800,000
2021	National Highway System	\$15,199,300
2022	National Highway System	\$15,199,300
2023	National Highway System	\$15,199,300

The funds available to the Government of Guam, over the four-year life of the GTIP, is planned to be utilized in the following manner:

Funding Source	Amount
National Highway System Projects and Services	\$63,083,371
Highway Infrastructure Programs (HIP)	\$3,727,534
Defense Access Road	\$8,800,000
Transit Projects	\$22,552,000

The table on the following pages represent the Guam Department of Public Works priorities and implementation plan for the expenditure of federal funds for the Federal Fiscal years 2020 – 2023.

**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											
<b>Sub-Total (Roadway and Bridge Projects)</b>	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	-	-		605	605		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
<b>Sub-Total (Islandwide Projects)</b>	DES	-	-	-	50	50	-	-	-	-	-	-	-	
	ROW	-	-	-	-	-	-	-	-	-	-	-	-	
	CON	3,800	3,800	-	2,505	2,505	-	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	-	

SECTION 1934 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)		
	DES													1934 / THP	
	ROW														
	CON														
<b>Sub-Total (Section 1934 Projects)</b>	<b>DES</b>	-	-	-	-	-	-	-	-	-	-	-	-		
	<b>ROW</b>	-	-	-	-	-	-	-	-	-	-	-	-		
	<b>CON</b>	-	-	-	-	-	-	-	-	-	-	-	-		

DEFENSE ACCESS ROAD 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 1 Reconstruction of Multiple Bridges (Hagatna to Piti)	DES	2,400	2,400											DAR	
	ROW														
	CON														
Under Pavement Infrastructure Retrofit	DES	6,400	6,400											DAR	
	ROW														
	CON														
<b>Sub-Total (DAR Projects)</b>	<b>DES</b>	<b>8,800</b>	<b>8,800</b>	-	-	-	-	-	-	-	-	-	-		
	<b>ROW</b>	-	-	-	-	-	-	-	-	-	-	-	-		
	<b>CON</b>	-	-	-	-	-	-	-	-	-	-	-	-		

TRANSIT 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)	
Section 5312	Accelerating Innovative Mobility Challenge Grant		2,396	1,950	446									FTA	
Section 5339	Bus and Bus Facilities Grant Program		9,558	9,558	0									FTA	
Section 5311 Cares Act	Operating Expenditures		984	984	0									FTA	
Section 5311 Cares Act	Capital Expenditures		1,720	1,720	0									FTA	
Section 5311 and 5311(b)(3)	Non-Urbanized Formula Grant - RTAP- Rural Transit Assistance Program		920	920	0	920	920	0	920	920	0	920	920	0	FTA
Section 5310	Non-Urbanized Formula Grant -Elderly and Persons with Disability Program		46	46	0	46	46	0	46	46	0	46	46	0	FTA
Section 5339	Non-Urbanized Formula Grant - Bus and Bus Facilities Capital Improvement Projects		1,000	1,000	0	1,000	1,000	0	1,000	1,000	0	1,000	1,000	0	FTA
<b>Sub-Total (Transit Projects)</b>			-	-	-	-	-	-	-	-	-	-	-	-	
			16,624	16,178	446	1,966	1,966	-	1,966	1,966	-	1,966	1,966	-	
			-	-	-	-	-	-	-	-	-	-	-	-	



	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)		
		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)
	DES	8,813	8,813	-	50	50	-	-	-	-	-	-	
	ROW	-	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL EXPENDITURES</b>	CON	11,975	11,975	-	10,665	10,665	-	10,400	10,400	-	10,705	10,705	
	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	
	TRN	16,624	16,178	446	1,966	1,966	-	1,966	1,966	-	1,966	1,966	
	<b>Totals</b>	<b>46,637</b>	<b>46,191</b>	<b>446</b>	<b>17,165</b>	<b>17,165</b>	<b>-</b>	<b>17,165</b>	<b>17,165</b>	<b>-</b>	<b>17,165</b>	<b>17,165</b>	

EXPENDITURE SUMMARY	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)		
	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)
<b>PROJECT TYPE</b>												
<b>THP</b>												
<b>ROADWAY AND BRIDGE PROJECTS</b>	8,188	8,188	-	8,160	8,160	-	6,100	6,100	-	9,455	9,455	-
<b>ISLANDWIDE PROJECTS</b>	13,025	13,025	-	7,039	7,039	-	9,099	9,099	-	5,744	5,744	-
<b>GARVEE PROJECTS</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>SECTION 1934 PROJECTS</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>DEFENSE ACCESS ROAD PROJECTS</b>	8,800	8,800	-	-	-	-	-	-	-	-	-	-
<b>TRANSIT PROJECTS</b>												
<b>SECTION 5310</b>	46	46	-	46	46	-	46	46	-	46	46	-
<b>SECTION 5311</b>	3,624	3,624	-	920	920	-	920	920	-	920	920	-
<b>SECTION 5312</b>	2,396	1,950	446	-	-	-	-	-	-	-	-	-
<b>SECTION 5339</b>	10,558	10,558	-	1,000	1,000	-	1,000	1,000	-	1,000	1,000	-
	<b>Totals</b>	<b>46,637</b>	<b>46,191</b>	<b>446</b>	<b>17,165</b>	<b>17,165</b>	<b>-</b>	<b>17,165</b>	<b>17,165</b>	<b>-</b>	<b>17,165</b>	<b>17,165</b>