Reference Number: XI-270

Project ID: P00522319MN

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

June 7, 2021

MEMORANDUM

FOR : **MARK A. VILLAR**
Secretary
This Department

This refers to the memorandum dated 21 May 2021 of **DPWH Region XI OIC-Director REY PETER B. GILLE,** endorsing the request of **District Engineer RICHARD A. RAGASA, Davao City District Engineering Office,** for the **modification** of the project under FY 2021 GAA, to wit;

As per GAA/Original			***As Modified***		
Project Description					
UACS No. 32010210418400O **Project ID: P00522319MN** OO2: Protect Lives and Properties Against Major Floods – Flood Management - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers Construction of Esplanade at Davao River, Right Bank, Bolton Bridge Downstream Section, Davao City			OO2: Protect Lives and Properties Against Major Floods – Flood Management - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers Construction of Esplanade at Davao River, Right Bank, Bolton Bridge Downstream Section, Davao City		
Type of Work/ Physical Target	**Unit Cost**	**Allocation**	**Type of Work/ Physical Target**	**Unit Cost**	**Estimated Cost**
CW1- Construction of Flood Mitigation Structure/ 309.000 lm	₱ 232,349.51/ lm	₱ 71,796,000	CW1- Construction of Flood Mitigation Structure/ **359**.000 lm	₱ **199,988.86**/ lm	₱ 71,796,000
EAO	-	₱ 2,604,000	EAO	-	₱ 2,604,000
	Total:	**₱ 74,400,000**		**Total:**	**₱ 74,400,000**

Justification:
Increase in physical target from 309 lineal meters to 359 lineal meters with considerable unit cost due to the following:

- Project design requires 1-meter height of rubble concrete including riprap "Class D" with a volume of 2,261.70 cu.m. for toe protection and soil stability and grouted riprap "Class A" for back slope and ditch instead of the anticipated installation of steel sheet piles with pile cap. As such, lesser unit cost;
- The construction of esplanade involves substantial earthworks such as embankment (from borrow) for benches and plant box, gravel fill for wall footing, structure excavation (common soil), and aggregate subbase course as embankment material for the beautification of the flood control structure since it is considered as tourist destination and serves as crest for the concrete revetment that includes softscape, hardscapes for monument pedestal and paver blocks for the path way;
- The design also requires 0.4m concrete barrier as top structure of the project with decorative railings for the esplanade;
- In addition, this includes generator set (silent type diesel generator, 8.0 kVA), flood gate with complete accessories ready for service, finishing and other works such as prepainted metal sheets, cement plaster finish, decorative stone, painting works and railings; and
- The scope of work also includes cellular confinement system (geoweb) for slope protection, separation geotextile (basal reinforcement) and other miscellaneous structures such as solar LED street lights (165 pcs.) and 565 sq.m. special corrosion paint.

See ND Cert of Cat Reasonableness

Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.

EUGENIO R. RIPÓ, JR.
Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

2.3 mksa/LCA/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary
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