



OFFICE OF THE SECRETARY
Manila

May 26, 2021

MEMORANDUM

FOR : MARK A. VILLAR
Secretary
This Department

This refers to the memorandum dated 10 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. 300106200586000 Project ID: P00550539MN Local Program - Flood Control and Drainage - Flood Control Structures / Facilities - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure Including Local Projects Rehabilitation of Drainage Structure at Sasa Creek, Davao City			Local Program - Flood Control and Drainage - Flood Control Structures / Facilities - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure Including Local Projects Rehabilitation of Drainage Structure at Sasa Creek, Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Rehabilitation / Major Repair of Drainage Structure / 300.000 lm	P 193,000/ lm	P 57,900,000	CW1- Rehabilitation / Major Repair of Drainage Structure / 210.00 lm	P 275,714.29/ lm	P 57,900,000
EAO	-	P 2,100,000	EAO	-	P 2,100,000
Total:		P 60,000,000	Total:		P 60,000,000
Justification: Decrease in physical target from 300 lineal meters to 210 lineal meters with increase in unit cost due to the following: <ul style="list-style-type: none"> • Project requires Z-Type Hot Rolled Steel Sheet Pile (height of 12m) with pile cap instead of the ordinary structural steel sheet pile to ensure high strength on steel grade since it has a very high section modulus and it is a larsen interlocked sheet piles; • The design also requires Riprap "Class D" (288 cu.m. for Site A and Site B) and Rock Works (Class I Rock of 1,393.32 tonne, Class II Rock of 1,329.72 tonne for Site C) which is essential for toe protection and soil stability especially that substantial volume of soil already receded due to erosion and also since the structure is facing the open sea; • This includes 2.5-meter height of rubble concrete (91.20 cu.m. for Site C) on steel sheet pile with pile cap to attain the maximum flood elevation of the flood mitigation structure; • In addition, this involves 1.5m high parapet wall (for Site A and Site B) on steel sheet pile and 1.2-meter height of deflector wall (for Site C) as top structure of the project for safety purposes and protection from overflowing of water and waves; • Moreover, project requires massive earthworks such a unsuitable excavation (3,992.02 cu.m.) for creek widening, clearing and grubbing, foundation fill and embankment (from borrow of 547.06 cu. m.); and • Scope of work also includes gate (1.2m x 2m - double swing) for existing pumping station, fence (CHB, cyclone/welded wire), removal and restoration of structures/obstructions (3 wooden/concrete houses), 2,100 trees furnishing and transplanting, removal of trees and 200 lineal meters detour/access road. Including maintenance for the whole project duration. 					

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

~~EUGENIO R. PIRO, JR.~~
Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

Department of Public Works and Highways
Office of the Secretary



REG/LCA/AV3/AGG/DRP