



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

OCT 29 2021

MEMORANDUM

FOR : **ROGER G. MERCADO**
Acting Secretary
This Department

This refers to the memorandum dated 28 April 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. 300106200572000 Project ID: P00550538MN					
Local Program - Flood Control and Drainage - Flood Control Structures / Facilities - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects			Local Program - Flood Control and Drainage - Flood Control Structures / Facilities - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects		
Construction of Seawall at NHA Bangkal Relocation, Davao City			Construction of Seawall at NHA Bangkal Relocation, 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 / 913.372 lm	P 105,652.46/ lm	P 96,500,000	CW1- Construction of Flood Mitigation Structure / 240.000 lm	P 402,083.33/ lm	P 96,500,000
EAO	-	P 3,500,000	EAO	-	P 3,500,000
Total:		P 100,000,000	Total:		P 100,000,000
Justification: Decrease in physical target from 913.372 lineal meters to 240.000 lineal meters due to the following:					
<ul style="list-style-type: none">• The project uses Z-Type Hot Rolled Steel Sheet Pile with pile cap for high strength on steel grade instead of the ordinary structural steel sheet piles since it is more efficient based on design for it requires a very high section modulus. Also, said type of steel sheet piles are larsen interlocked;• The design of revetment requires 394.40 cu.m of rubble concrete with 3-meter slant height with 533.00 cu.m. grouted riprap (Class A) for back slope and ditch, to prevent overflowing of the river to the nearby residences;• Design also considers Rock Works Materials (Class I = 4,934.40 tonne and Class II = 514.52 tonne) for toe protection of the seawall structure with substantial earthwork requirement (embankment from borrow) of 920.09 cu.m., clearing and grubbing, and excavation of unsuitable materials = 3,436.67 cu.m.;• Project includes 720 units of hexapods and deflector wall as top structure of the project with 2.4-meter high of 0.200 thick Portland Cement Concrete Pavement (PCCP) for safety purposes and protection from massive waves and overflow since the structure faces the open sea;• Project also includes provision of 200 lineal meters detour/access road for the project for the whole duration since the project location has no available access road, including removal and restoration of actual structures/obstructions and construction of CHB fence (cyclone fence/welded wire); and• Project is contiguous with FY 2021 Project with the same scope of work — P00522308MN.					

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


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

APPROVED/DISAPPROVED:


ROGER G. MERCADO
Acting Secretary

2.3 mksa/LCA/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary

