



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

Reference Number: **XI-268**

Project ID: **P00550535MN**

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. 300106200568000 Project ID: P00550535MN					
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 Revetment along Matina River, Matina Pangi Downstream, Matina Pangi Section, Davao City			Construction of Revetment along Matina River, Matina Pangi Downstream, Matina Pangi Section, Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Revetment / 410.000 lm	₱ 213,594.51/ lm	₱ 87,573,750	CW1- Construction of Revetment / 300.000 lm	₱ 291,912.50/ lm	₱ 87,573,750
EAO	-	₱ 3,176,250	EAO	-	₱ 3,176,250
Total:		₱ 90,750,000	Total:		₱ 90,750,000

Justification: *26% decrease in target*
Decrease in physical target from 410.00 lineal meters to 300.00 lineal meters (with increase in unit cost) due to the following:

- Project requires Z-Type Hot Rolled Steel Sheet Pile (height of 12 m) 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 5-meter slant height of rubble concrete on steel sheet pile with pile cap to attain the maximum flood elevation requirement of the flood mitigation structure with riprap "Class D" having a volume of 1,860 cu.m. for toe protection and soil stability especially that a substantial volume of soil has already receded due to erosion;
- This includes substantial earthworks such as embankment (hand-laid embankment with a volume of 1,386 cu.m.) with a height of 3m which is necessary for foundation support of the structure. Also this requires, huge volume of unsuitable excavation of 8,044 cu.m. for river widening including clearing and grubbing, surplus excavation of 1,448.90 cu. m. and embankment (from borrow of 1,424.50 cu.m. and from roadway excavation of 1,086.70 cu.m.);
- Provision of 450 lineal meters of detour/access road with maintenance for the whole project duration; and
- Scope of work also includes removal/restoration of actual structures/obstructions (45 wooden/concrete houses), CHB fence (including fence cyclones), railings and other miscellaneous structures such as trees furnishing and transplanting, coco-logs/ fascine and vegetation grass system.
- See attached justification signed and submitted by the Regional Director. *+ DE are attached to*

justify high unit cost

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

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

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

