



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

Reference Number: **XI-271**  
Project ID: **P00550534MN**

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. 300106200567000 Project ID: P00550534MN  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 Pangil Bridge-I Upstream, Matina Pangil Section, Left Bank, Davao City			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 Pangil Bridge-I Upstream, Matina Pangil Section, Left Bank, Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1-Construction of Revetment / 400.000 lm	<del>P 213,265/</del> lm	P 85,306,000	CW1- Construction of Revetment / 285.000 lm	<del>P 299,319.30/</del> lm	P 85,306,000
EAO	-	P 3,094,000	EAO	-	P 3,094,000
Total:		P 88,400,000	Total:		P 88,400,000

**Justification:**

Decrease in physical target from 400.00 lineal meters to 285.00 lineal meters due to the following:

- 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 on CCLIS since it is more efficient based on design for it requires a very high section modulus and it is larsen interlocking;
- The design requires 5-meter slant height of rubble concrete on steel sheet pile cap to attain the maximum flood elevation requirement of the flood mitigation structure with Riprap "Class D" of 1,767 cubic meters which is essential for the toe protection and soil stability especially that a substantial volume of soil has already receded due to erosion;
- Considering substantial earthworks such as embankment (hand laid embankment = 1,316.70 cu.m.) of 3-meters high for foundation support of the structure, unsuitable excavation (19,023.30 cu.m.) for river widening, clearing and grubbing, surplus excavation (6,870.90 cu.m.), and embankment from roadway/structure excavation (484.80 cu.m.);
- Provision of 520 lineal meters detour/access road including maintenance for the whole project duration; and
- Scope of work includes removal and restoration of actual structures/obstructions, CHB fence (including fence cyclones), railings and miscellaneous structures such as trees furnishing/transplanting, coco-net, coco-logs/fascine and vegetation vetiver grass system for slope protection.
- See attached justification signed and submitted by the Regional Director.

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

Department of Public Works and Highways  
Office of the Secretary



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