



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



May 23, 2024

**MEMORANDUM**

**FOR :** **MANUEL M. BONOAN**  
Secretary  
This Department

This refers to the memorandum dated 15 April 2024 of **DPWH Region IX Director CAYAMOMBAO D. DIA, CESO III**, requesting for the **modification** of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 320101111321000 Project ID: P00820895MN					
002: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems			002: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems		
Construction of Flood Control Structure along Tumaga River (Guiwan Section), Zamboanga City Package 1			Construction of Flood Control Structure along Tumaga River (Guiwan Section), Zamboanga City Package 1		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure/ 696.423 Lineal Meters	₱138,565.21 /Lineal Meters	₱ 96,500,000.00	CW1- Construction of Flood Mitigation Structure/ 283.00 Lineal Meters	₱ 340,897.41 /Lineal Meters	₱ 96,473,967.09
EAO	—	₱ 3,500,000.00	EAO	—	₱ 3,500,000.00
Total:		₱ 100,000,000.00	EXCESS:		₱ 26,032.91
			Total:		₱ 100,000,000.00

**Justification:**

- The decrease in physical target/increase in the unit cost is due to;
  - ✓ The huge volume of Item 508(1); Handlaid Rock Embankment and Item 900(1)d; Structural Concrete which resulted to the increase in the cost per lineal meters of the project, to protect the river and the bridge from scouring, which constitutes 28.86% (₱27,846,649.75) of the total project cost.
  - ✓ The project utilized a design slope ratio of 1:3 rather than the conventional 1:1, along the river side, and a vertical wall type on the back slope to minimize the encroached area in the land side and avoid ROW Acquisition, alongside specifications including a reinforced concrete on handlaid rock embankment with thickness of 0.3-meter, a crest width of 4-meters and height of 7.15-meters measured from the top of the pile cap.

Excess to be returned to FS. w/in 30 days  
after approval of this modification

Website: [www.dpwh.gov.ph](http://www.dpwh.gov.ph)  
Tel. No(s): 5304-3000 / (02) 165-02



AG-CO-202406-02047

- Furthermore, the design includes a coping beam, rested and welded on top of the structural steel sheet piles, furnished and driven, each measuring 12 meters in length per pile and 0.40 meters in width. This component alone represents a significant portion, amounting to 50.28% (P48,521,527.60) of the overall project expenditure.
- The Change in total amount of the project was reduced from P100,000,000.00 to P99,973,967.09 as the result of the evaluation on the construction cost of the project by the Bureau of Construction dated May 22, 2024 (See attached) for project no. 12. Hence, there is an excess amount of P 26,032.91.
- The derived unit cost is based on the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).


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

  
**REY PETER B. GILLE, D.M.**

Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII

**RECOMMENDING APPROVAL:**

  
**MARIA CATALINA E. CABRAL, Ph.D., CESO I**  
Undersecretary for Planning  
and Public-Private Partnership Services

  
**EUGENIO R. PIPO, JR.**  
Undersecretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII

**APPROVED/DISAPPROVED:**

  
**MANUEL M. BONOAN**  
Secretary

2.3 aap/OAL/AVS/RPBG/ERP

Department of Public Works and Highways  
Office of the Secretary



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