

May 28, 2025

**MEMORANDUM**

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

This refers to the memorandum dated 14 April 2025 of DPWH Region X Director **LILIBETH N. APARECIO, D.M.**, requesting for the approval of the Modification of the hereunder project covered by FY 2025 General Appropriations Act (GAA), to wit;


As per GAA/Original			As Modified		
Project Description					
UACS No. 310204103123000 - Project ID: P00901622MN.			OO1: Ensure Safe and Reliable National Road System - Network Development Program - Construction of Bypass and Diversion Roads.		
OO1: Ensure Safe and Reliable National Road System - Network Development Program - Construction of Bypass and Diversion Roads.			Manolo Fortich - Misamis Oriental Alternate/Bypass Road, Package 15, Bukidnon.		
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Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road/ 20.000 Lane Km	P 9,650,000.00 /Lane Km.	P 193,000,000.00	CW1- Construction of Gravel Road/ 10.000 Lane Km	P 19,300,000.00 /Lane Km.	P 193,000,000.00
EAO	-	P 7,000,000.00	EAO	-	P 7,000,000.00
Total:		P 200,000,000.00	Total:		P 200,000,000.00

**Justification:**

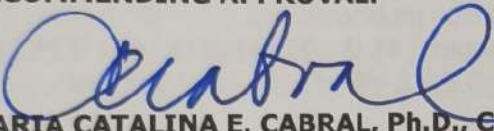
- The change in scope of work from the construction of concrete road to the construction of gravel road was undertaken based on the conducted Detailed Engineering Survey and Site Validation, which required a high volume of roadway excavation resulting from standard roadway side cuts and vertical alignment compliant with the DPWH Design Guidelines Criteria and Standards (DGCS) and in accordance with the Minimum Design Standards for Industry Roads.
- The increase in the physical target/ decrease in the unit cost is due to the prioritization of road opening to improve accessibility. The project requires high volume of roadway excavation constituting 91.52% of the total project cost. This extensive excavation, is a result of incorporating standard roadway side cuts, ensuring a stable 1:1 cut slope for safety and slope stability, and adjusting the vertical alignment to achieve a maximum gradient of 12% in cut sections. These modifications ensure the project meets the required safety and design specifications.
- The derived unit cost is based on the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).
- See attached Certificate of Reasonableness of Cost Estimate signed and approved by the Regional Director.
- The unit cost has been evaluated and reviewed by the Bureau of Construction (BOC) dated May 27, 2025 and has been found to be reasonable.

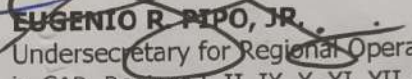
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Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.

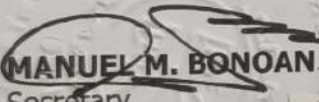
  
**LORETA M. MALALUAN, CESO IV**  
Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, XIII, and NCR.

**RECOMMENDING APPROVAL:**

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

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

**APPROVED/~~DISAPPROVED~~:**

  
**MANUEL M. BONOAN**  
Secretary

2.3 mksa/AVS/LMM/ERP

Department of Public Works and Highways  
Office of the Secretary



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