



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



May 27, 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;

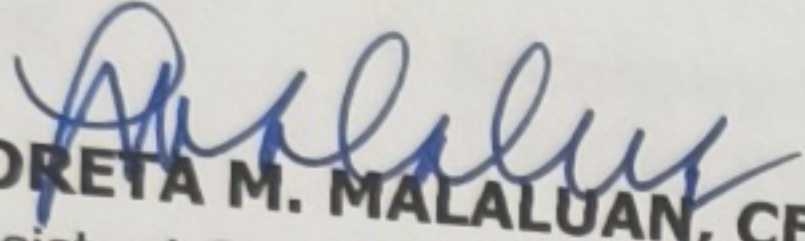
As per GAA/Original			As Modified		
Project Description					
UACS No. 310204103131000 Project ID: P00910562MN.					
OO1: Ensure Safe and Reliable National Road System - Network Development Program - Construction of By-Pass and Diversion Roads.			OO1: Ensure Safe and Reliable National Road System - Network Development Program - Construction of By-Pass and Diversion Roads.		
Construction of Mangima-Agusan <b>Acanyon</b> Bypass Road, Package 3, Bukidnon.			Construction of Mangima-Agusan <b>Canyon</b> Bypass Road, Package 3, Bukidnon.		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road/ 20.00 Lane Km	P 9,650,000.00 /Lane Km	P 193,000,000.00	CW1- Construction of Gravel Road/ 0.850 Lane Km	P 227,058,823.53 /Lane Km <b>₱ 455 M / km</b>	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
<b>Justification:</b> <ul style="list-style-type: none"><li>• Typographical error in the project title/description. "Acanyon" Bypass Road should be "Canyon" Bypass Road. See attached LGU Certification.</li><li>• The change in scope of work from construction of concrete to gravel road is due to the substantial volume of roadway excavation required along the project alignment. The excavation primarily consists of hard rock formations with cut heights reaching up to 60.00 meters on the left side and 22.00 meters along the centerline, necessitating significant earthworks, rendering the allocated funds sufficient to cover only up to the construction of gravel road (See attached Geo-resistivity Report).</li><li>• This revision results from the integration of standard roadway side cuts and adjustments to the vertical alignment to achieve a maximum gradient of 12% in cut sections, in strict adherence to the DPWH Design Guidelines, Criteria, and Standards (DGCS). These modifications are essential to ensuring the structural integrity, stability, and safety of the roadway while addressing the engineering challenges posed by the site's topography.</li><li>• The presence of the hard rock requires the Item 102(3)b – Surplus Rock Excavation, which is calculated to be at 108,665.588 cubic meters which constitutes 87.40% of the total project cost. Consequently, the allocated fund is only sufficient to cover the construction of a gravel road.</li><li>• This project also includes necessary work items such as clearing and grubbing, individual removal of trees, surplus common excavation, and miscellaneous item such as Seedlings/Saplings for other Programs/Initiative, which constitutes 11.79% of the total project cost.</li></ul>					

AG-CO-202505-D/151

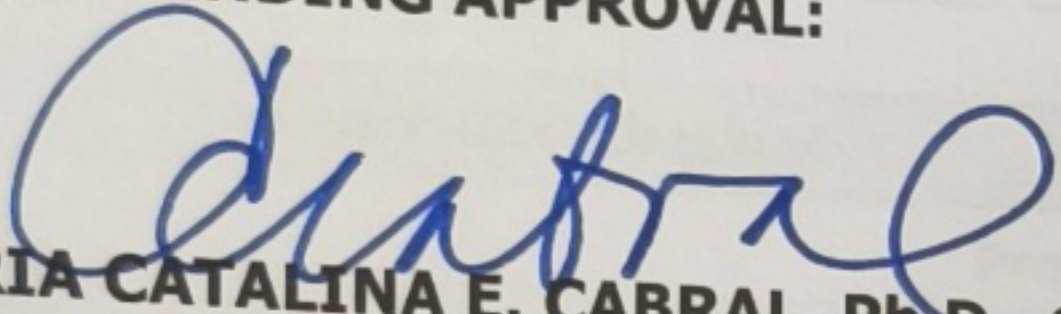


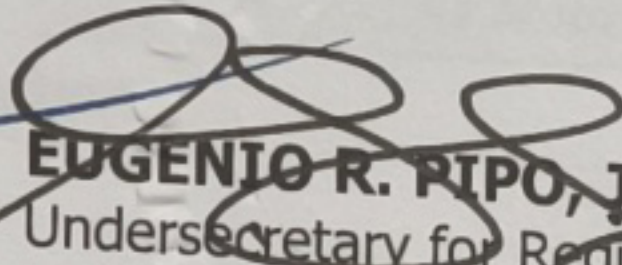
- The derived unit cost is based on the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).
- See attached Certificate of Reasonableness of Cost Estimate signed and approved by the Regional Director.
- The unit cost has been evaluated and reviewed by the Bureau of Construction (BOC) dated May 26, 2025, and has been found to be reasonable.

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

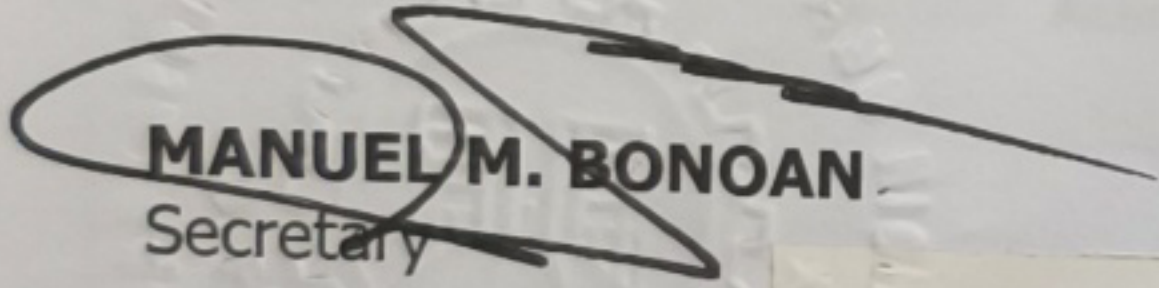
  
**LORETA M. MALALUAN, CESO IV**  
Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, XIII and NCR.

**RECOMMENDING APPROVAL:**

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

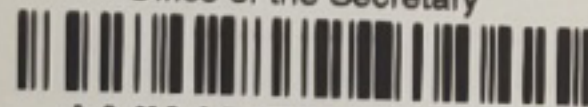
  
**EUGENIO R. PIHO, JR.**  
Undersecretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII.

**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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