



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



September 9, 2024

**MEMORANDUM**

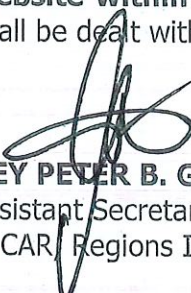
**TO :** **REYNALDO C. ALCONCEL**  
Regional Director  
DPWH-Region II  
Tuguegarao City, Cagayan

**ATTENTION :** **ESMERALDA O. DE GUZMAN**  
OIC-District Engineer  
Cagayan 3<sup>rd</sup> District Engineering Office

Transmitted herewith is the **APPROVED** request for the **modification** of hereunder stated project:

1. ORGANIZATIONAL OUTCOME 1: Ensure Safe and Reliable National Road System:  
Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved  
Roads - Tertiary Roads Peñablanca-Callao Cave Rd – K0483+550-K0484+020- - -  
**₱20,861,000.00**

Please be reminded that all approved modifications **shall be posted in the DPWH website within five (5) days** from its approval. Failure to comply with this requirement shall be dealt with accordingly.

  
**REY PETER B. GILLE, D.M.**  
Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII

2.3 mksa/AVS/RPBG/ERP





August 12, 2024

## MEMORANDUM

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

This refers to the memorandum dated 05 August 2024 of **DPWH Region II Regional Director REYNALDO C. ALCONCEL**, endorsing the request of **OIC-District Engineer ESMERALDA O. DE GUZMAN**, Cagayan 3<sup>rd</sup> District Engineering Office; for the **modification** of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310106101100000 Project ID:P00805734LZ					
ORGANIZATIONAL OUTCOME 1: Ensure Safe and Reliable National Road System: Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads -			ORGANIZATIONAL OUTCOME 1: Ensure Safe and Reliable National Road System: Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads -		
Peñablanca-Callao Cave Rd – K0483+550-K0484+020			Peñablanca-Callao Cave Rd – K0483+550-K0484+020		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1: Reconstruction to Concrete Pavement - 1.700 Lane Kilometers	₱ 12,025,752.94/ Lane kilometer	₱ 20,443,780.00	CW1: Rehabilitation of Paved Road- 0.880 Lane Kilometers	₱ 19,682,086.76/ Lane kilometer <i>₱ 39.2 M/km</i>	₱ 17,320,236.35
			CW2: Construction of Road Slope Protection Structure - 615 Square Meters	₱ 5,078.93/ Square meter	₱ 3,123,543.65
EAO	—	₱ 417,220.00	EAO	—	₱ 417,220.00
Total:		₱ 20,861,000.00	Total:		₱ 20,861,000.00



**Justification:**

Modification is sought due to the following:

- The change in Type of Work from "Reconstruction to Concrete Pavement" to "Rehabilitation of Paved Road" due to the following:
  - The project has been reconstructed to concrete pavement twice, but since the project is located on a sinking road there was still ground movements, hence, rigid pavement is still prone to breakage.
  - Flexible type of pavement is more suitable in a sinking road; hence, Asphalt Granular Base is utilized. (See attached Certification of Design)
- The increase in unit cost/decrease in the physical target from 1.70 lane km to 0.88 lane km are due to the following:
  - The Raising of grade to desired elevation of 2.3m height.
  - The use of 100mm thickness for Asphalt Pavement as per Detailed Engineering Design.
- The inclusion of CW2 – Construction of slope protection structures which accounts to 15.279% of the total cost, to address road safety concerns by ensuring slope stability to prevent soil erosion.
- The unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated May 29, 2024.

Attached are the following supporting documents: GIS Map of the Proposed Project Work Location, Certificate of Availability of Funds (CAF), BP Form 202, Certificate of Reasonableness of Cost Estimate, Certificate of "No Overlapping" and "Not Within Warranty Period", Geotagged Photographs, Approved Program of Works (POW) and Approved Detailed Engineering Design (DED).

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

**APPROVED/DISAPPROVED:**

  
**MANUEL M. BONOAN**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



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