



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



April 29, 2025

**MEMORANDUM**

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

This refers to the memorandum dated 25 April 2025 of **DPWH Region IX Director CAYAMOMBAO D. DIA** endorsing the request of **District Engineer AMINODIN P. MANIRI, Zamboanga del Norte 2nd District Engineering Office**, for the approval of Modification of the hereunder project under FY 2025 General Appropriations Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310108102180000. Project ID: P00909009MN.  OO1: Ensure Safe and Reliable National Road System- Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads .  Sindangan-Siayan-Dumingag-Mahayag Rd (Sindangan-Siayan Sect) - K1948 + 890 - K1948 + 930.			OO1: Ensure Safe and Reliable National Road System . Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads .  Sindangan-Siayan-Dumingag-Mahayag Rd (Sindangan-Siayan Sect) - <b>K1948+860- K1948+890, K1951+420-K1951+430, K1951+460-K1951+514</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Road Slope Protection Structure / 1,000.00 Square Meters .	₱ 9,800.00/ Square Meters .	₱ 9,800,000.00 .	CW1- <b>Rehabilitation / Major Repair of Road Slope Protection Structure / 814.36 Square Meters .</b>	<b>₱12,033.99/ Square Meters .</b>	₱ 9,800,000.00.
EAO	—	₱ 200,000.00 .	EAO	—	₱ 200,000.00 .
Total:		₱ 10,000,000.00	Total:		₱ 10,000,000.00

**Justification:**


- **Change in Station Limits and Increase in Length.** The original project limits **K1948 + 890 - K1948 + 930** were adjusted to **K1948 + 860 - K1948 + 890, K1951 + 420 - K1951 + 430, K1951 + 460 - K1951 + 514** to ensure proper coverage of the actual areas affected by the road slip and slope collapse. The change in station limits increased the project length from **40 meters** to **94 meters**. The additional segments are located along the same road section and flagged as high priority in the Road Slope Management (RSM). (See attached Straight Line Diagram).
- **Decrease in Physical Target and Increase in Unit Cost.** The actual total surface area covered by the slope protection structures is equivalent to **814.36 square meters (L=94 meters, with a varying height of 8, 4 and 5 meters)**. The increase in unit cost by **22.80%** is attributed to the three types of slope protection measures adopted in this project namely: Reinforced Concrete Slope Protection on Reinforced Concrete Retaining Wall Foundation, Reinforced Concrete Retaining Wall on

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Steel H-Pile Foundation, and Gabions. The complex design of the slope protection structures which involves the use of large quantities of concrete and reinforcement as well as high-end materials also caused the increase in unit cost of the project. However, the decrease in area does not compromise the structural integrity of the project since the design of the structure and the choice of materials are based on the results of the Design Analyses and Geotechnical Investigation.


- **Change in Type of Work.** The type of work was changed from "**Construction of Road Slope Protection Structure**" to "**Rehabilitation / Major Repair of Road Slope Protection Structure**" since the scope of work involves the rehabilitation of an existing slope protection structure within the specified station limits.
- Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), BP 202, Geotagged photos, GIS Map and Straight-Line Diagram.

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. RIPIO, 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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