



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



May 5, 2025

**MEMORANDUM**

**FOR :** **EUGENIO R. PIPO, JR.**  
Undersecretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII  
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. 310109101767000 .<br>Project ID: P00909014MN. .<br><br>OO1: Ensure Safe and Reliable National Road System.<br>Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads. .<br><br>Sindangan-Bayog-Lakewood Rd - K1933 + 040 - K1933 + 070. . |                                  |                    | OO1: Ensure Safe and Reliable National Road System .<br>Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads.<br><br>Sindangan-Bayog-Lakewood Rd - <b>K1930+320. - K1930+390, K1933+035.</b> - K1933+070 . |                                              |                    |
| Type of Work/<br>Physical<br>Target                                                                                                                                                                                                                                                                                          | Unit Cost                        | Allocation         | Type of Work/<br>Physical<br>Target                                                                                                                                                                                                                                                    | Unit Cost                                    | Estimated Cost     |
| CW1-<br>Construction of Road Slope Protection Structure / 810.00 Square Meters                                                                                                                                                                                                                                               | ₱ 18,148.15/<br>Square Meters. . | ₱ 14,700,000.00. . | CW1-<br>Construction of Road Slope Protection Structure / <b>1,152.48</b> Square Meters .                                                                                                                                                                                              | <del>₱ 12,755.10/<br/>Square Meters. .</del> | ₱ 14,700,000.00. . |
| EAO                                                                                                                                                                                                                                                                                                                          | -                                | ₱ 300,000.00. .    | EAO                                                                                                                                                                                                                                                                                    | -                                            | ₱ 300,000.00. .    |
| Total:                                                                                                                                                                                                                                                                                                                       |                                  | ₱ 15,000,000.00. . | Total:                                                                                                                                                                                                                                                                                 |                                              | ₱ 15,000,000.00. . |

**Justification:**


- **Change in Station Limits and Increase in Length.** The original project limits **K1933 + 040 - K1933 + 070** were adjusted to **K1930+320 - K1930+390, K1933+035 - K1933+070** to ensure proper coverage of the actual areas affected by the road slip and slope collapse. The additional segment is located along the same road section and included in this project to address the slope collapse on this area. The change in station limits increased the project length from **30 meters to 105 meters**. (See attached Straight Line Diagram).
- **Increase in Physical Target and Decrease in Unit Cost.** The actual total surface area covered by the slope protection structure is **1,152.48 square meters**. There is a decrease in the unit cost by approximately **29.72%**, which is still substantial. The considerable unit cost is attributed to the two types of slope protection measures employed in the project: **(1) Reinforced Concrete Slope Protection on Steel H-Pile and Steel Sheet Pile Foundation, and (2) Gabions**, applied to address road slip and slope collapse conditions, respectively. Both the design and material selection are grounded in the findings of the Design Analyses and Geotechnical Investigation. Furthermore, the integration of drainage structures, paved shoulders, and other roadway

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appurtenances is critical. These features serve not only as erosion control measures but also as essential drainage infrastructure, ensuring the efficient management of surface runoff. They play a vital role in maintaining long-term slope stability by protecting both the crest and toe of the slope, thereby enhancing the overall durability and performance of the roadway system.

- 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.

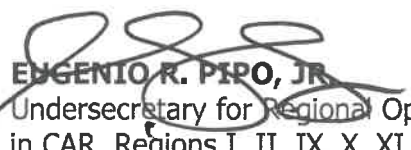
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.

  
**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

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

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