



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. 310109101679000 Project ID: P00909033MN OO1: Ensure Safe and Reliable National Road System Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads Sindangan-Bayog-Lakewood Rd - K1936 + 694 - K1936 + 774			OO1: Ensure Safe and Reliable National Road System Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads Sindangan-Bayog-Lakewood Rd - K1936+660 - K1936+780		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Road Slope Protection Structure / 3,335.320 Square Meters	₱ 17,359.65/ Square Meters	₱ 57,900,000.00	CW1- Construction of Road Slope Protection Structure / 3,228.92 Square Meters	₱ 17,931.69/ Square Meters	₱ 57,900,000.00
EAO	—	₱ 2,100,000.00	EAO	—	₱ 2,100,000.00
Total:		₱ 60,000,000.00	Total:		₱ 60,000,000.00
Justification:					
<ul style="list-style-type: none">• Change in Station Limits and Increase in Length. The original project limits K1936 + 694 - K1936 + 774 were adjusted to K1936+660 - K1936+780 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 80 meters to 120 meters. (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 3,228.92 square meters. The increase in the unit cost by approximately 3.30% 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. The complex structural design—entailing substantial quantities of concrete and reinforcing steel, along with the use of specialized materials—was a major factor in the increased unit					

cost. Nevertheless, the reduced surface area does not compromise the structural integrity of the project, as 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 appurtenances is necessary. 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.

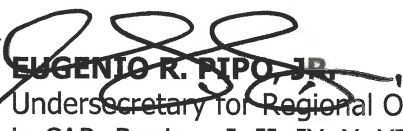
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.


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