



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

March 22, 2023

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 10 March 2023 of **DPWH Region XI Director REY PETER B. GILLE, DM**, endorsing the request of **District Engineer JANE D. CAINGHOG Davao Oriental 2nd District Engineering Office**, for the approval of Modification of the hereunder project under FY 2023 General Appropriations Act (GAA), to wit:

As per GAA/Original			As Modified		
Project Description					
UACS No.: 310108101673000 Project ID: P00706511MN OO1: Ensure Safe and Reliable National Road System Asset Preservation – Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads Mati-Maragusan Rd – K1499 + (-211) - K1499 + (-193), K1499 + (-333) - K1499 + (-306), K1499 + (-662) -K1499 + (-618), K1501 + 253 - K1501 + 290, K1502 + 745 - K1502 + 771, K1503 + 049 - K1503 + 067, K1505 + 648 - K1505 + 667			OO1: Ensure Safe and Reliable National Road System Asset Preservation – Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads Mati-Maragusan Rd - K1500 + 270 - K1500 + 330, K1501 + 060 - K1501 + 130		
Type of Work/Physical Target	Unit Cost	Allocation	Type of Work/Physical Target	Unit Cost	Estimated Cost
CW – 1 Construction of Road Slope Protection Structure 2,429.38 Square Meters	₱ 14,113.99 / Square meters	₱ 34,288,240.00	CW – 1 Construction of Road Slope Protection Structure 2,080.00 Square Meters	₱ 16,484.73 / Square meters	₱ 34,288,240.00
EAO	-	₱ 699,760.00	EAO	-	₱ 699,760.00
Total:		₱ 34,988,000.00	Total:		₱ 34,988,000.00

Justification:

Decrease in physical target from 2,429.38 square meters to 2,080.00 square meters with modification in station limits due to the following:

- The allocated amount for the original station limits was reduced, thus insufficient to cover seven (7) sections due to substantial scope of works;
- The modified limits were previously included in the proposed for funding which is more critical and dangerous sections that needed to be prioritized first, however, it was not reflected in the GAA 2023. This section was observed to have gradual soil erosion and landslide at the cliff side of the road which requires immediate interventions to prevent further damaged/defects in the existing pavement, traffic accidents and road closures especially during heavy rainfall, as validated;
- Adjusted station limits to be contiguous with project ID P00706362 (as modified, with same scope of work funded also under FY 2023)
- The design for the slope protection structure is Gabions (height of 6m) with Z-Type Hot-Rolled Steel Sheet Piles with embedded depth of 10m, for a total area of 2,080.00 square meters (inorder to securely retain earth and resist horizontal pressure);
- In addition, scope of work also includes the following: (a) concrete reblocking (3.35m width, 280mm thk) of existing shattered slabs due to base failure caused by soil erosion (total area of 134.00 sq. m.), (b) paving of shoulders (2.5m width, 200mm thk) at section 1, for a total length of 58.66m for both sides and a total area of 257.56 square meters, inorder to provide safety at curve sections, and (c) construction of single-barrel (3m x 3m x 16.70m) reinforced concrete box culvert (RCBC) to mitigate high volume of run-off water crossing the road which is one of the main causes of scouring in the project locations. Hence, increase in unit cost, correspondingly, decrease in physical target; and
- Also, project includes road safety features such as reflectorized thermoplastic pavement markings and single-arm post with streetlights for the safety of the travelling public.

Attached are the following supporting documents: Approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA), Approved Detailed Engineering Design (DED), Certificate of Reasonableness of Unit Cost, Certificate of Availability of Funds (CAF), Geotagged Photographs, GIS Map, and Annual Infrastructure Program (AIP) based on GAA.

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



ADOR G. CANLAS

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

APPROVED/~~DISAPPROVED~~:



EUGENIO R. PIIPO, JR.

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