



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

March 22, 2023

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary
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.: 310108101674000 Project ID: P00706512MN 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 – K1522 + 572 - K1522 + 586, K1525 + 188 - K1525 + 194, K1525 + 381 - K1525 + 393, K1533 + 387 - K1533 + 397			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 - K1525 + 177 - K1525 + 192, K1533 + 378 - K1533 + 388		
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 303.980 Square Meters	P 16,119.48 / Square meters	P 4,900,000.00	CW – 1 Construction of Road Slope Protection Structure 179.00 Square Meters	P 27,374.30 / Square meters	P 4,900,000.00
EAO	-	P100,000.00	EAO	-	P 100,000.00
Total:		P 5,000,000.00	Total:		P 5,000,000.00
Justification: Decrease in physical target for CW1-Construction of Road Slope Protection Structure from 303.98 square meters to 179.00 square meters with modification in station limits from "K1522 + 572 - K1522 + 586, K1525 + 188 - K1525 + 194, K1525 + 381 - K1525 + 393, K1533 + 387 - K1533 + 397" to "K1525 + 177 - K1525 + 192, K1533 + 378 - K1533 + 388" due to the following:					
<ul style="list-style-type: none">Deleted 1st and 3rd sections (K1522 + 572 - K1522 + 586 and K1525 + 381 - K1525 + 393) and Modified limits for 2nd and 4th sections to prioritize more critical and dangerous sections along the road, which need Immediate measures/interventions to prevent traffic accidents and road closures due to landslides and soil erosion, as validated. In addition, allocation is insufficient to cover all four sections;Change in design of the slope protection structure from Concrete Retaining Wall to Gabions with Steel Sheet Piles and Grouted Riprap Slope Protection. Hence, higher unit cost, correspondingly, decrease in physical target;For section 1, the appropriate design is Gabions (1m x 1m x 2m) with 264.00 cubic meters having a height of 6.00 meters including Z-Type Hot Rolled Steel Sheet Piles (3m embedded depth) with a total length of 15 ln.m.;For section 2, It includes construction of grouted riprap slope protection having an average slant height of 3.5 m with a total length of 10 ln.m. Inorder to prevent scouring/landslide at the cliff side of the road;Project also involves paving of shoulder (2.5m width, 200mm thick) and reblocking (3.35m width, 280mm thick) of damaged pavement to provide convenience and safety to the end user; andInclusion of miscellaneous structures such as reflectorized thermoplastic pavement markings for 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.					

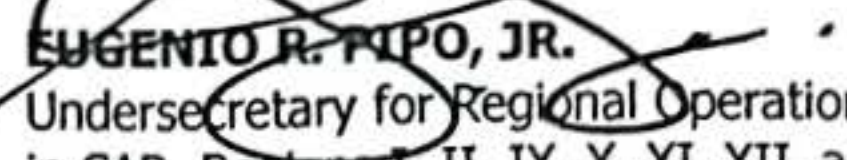
Based on our evaluation, the submitted request for modification of the said project is in order, hence, approval hereof is recommended.


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 PPP 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

2.3 mksa/oal/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary


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