



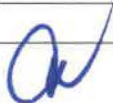
Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
OFFICE OF THE SECRETARY  
Manila

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 2<sup>nd</sup> 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.: 310109101239000 Project ID: P00706375MN  OO1: Ensure Safe and Reliable National Road System  Asset Preservation – Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads  Tibanban-Lavigan Rd - K1785 + 854 - K1786 + 003			OO1: Ensure Safe and Reliable National Road System  Asset Preservation – Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads  Tibanban-Lavigan Rd - K1786 + 308 - K1786 + 597		
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  5,555.560 Square Meters	₱ 17,369.99 / Square Meters	₱ 96,500,000.00	CW – 1 Construction of Road Slope Protection Structure  4,946.637 Square Meters	₱ 19,508.20 / Square meters	₱ 96,500,000.00
EAO	-	₱ 3,500,000.00	EAO	-	₱ 3,500,000.00
Total:		₱ 100,000,000.00	Total:		₱ 100,000,000.00
<b>Justification:</b> 					
Decrease in physical target from 5,555.560.00 sq.m. to 4,946.637 sq.m. (with change in station limits) due to the following:					
<ul style="list-style-type: none"><li>Modified limits to K1786 + 308 – K1786 + 597 in order to address and prioritize more critical sections which need immediate measures / interventions to prevent traffic accidents and road closures due to soil erosion since road section is along coastal area, as validated. Moreover, the original limits overlapped with Project ID P00706373MN (as modified, with same scope of work funded also under FY 2023). The said modified limits were also contiguous with Project ID P00706373MN with same scope of works funded under FY 2023.</li><li>The design of road slope protection is a combination of rubble concrete and reinforced structural concrete with concrete blocks, hexapods, and drainage geotextile instead of the initial proposal of active protection system (mountain side). The existing slope protection along coastal road was damaged by Typhoon, hence, was prioritized instead. As such, increase in unit cost, correspondingly, decrease in physical target;</li><li>Project requires 1,220 cu.m. hexapod, 3,220.09 sq.m. of drainage geotextile, and 2,807 cu.m. of handlaid rock embankment as toe protection. It also involves substantial embankment works (borrow=5,698 cu.m.) since it requires offset of 10m – 14m from edge of the existing pavement to attain the designed width in preparation for future road widening and concrete block (1m x 1m x 1m) with a width of 10m from the footing of road slope protection structure to prevent from scouring; and</li><li>Also, design involves construction of drainage such as construction of reinforced concrete lined canal with concrete cover, 910mm dia, pipe culvert (Class IV, RCPC), 910mm dia. concrete manhole, and 910mm dia. cleaning culvert pipe in place.</li></ul>					
Attached are the following supporting documents: Approved Program of Works (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 Photos, 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. PIHO, JR.**

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