



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

June 1, 2023

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary
This Department

This refers to the memorandum dated May 30, 2023 of DPWH Region XIII Director POL M. DELOS SANTOS, endorsing the request of District Engineer EDMUND V. OPINION, Agusan del Norte DEO, for the modification of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No.310107100601000 Project ID: P00706550MN OO1: Ensure Safe and Reliable National Road System – Asset Preservation–Rehabilitation/Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Primary Roads Butuan City-Cagayan de Oro City-Iligan City Road (Agusan-Misamis Or Rd)–K1278 + 800 – K1279 + 100			OO1: Ensure Safe and Reliable National Road System – Asset Preservation–Rehabilitation/Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Primary Roads Butuan City-Cagayan de Oro City-Iligan City Road (Agusan-Misamis Or Rd) – K1277 + 300 – K1277 + 340		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Road Slope Protection Structure: 4,502.37 square meters	P 8,271.20/ Square meters	P 37,240,000.00	CW1- Construction of Road Slope Protection Structure: 1,284.31 square meters	P 28,996.11/ Square meters	P 37,240,000.00
EAO	-	P 760,000.00	EAO	-	P 760,000.00
Total:		P 38,000,000.00	Total:		P 38,000,000.00
Justification: <i>Use of Rockfall Netting</i> <ul style="list-style-type: none">Decrease in physical target/increase in the unit cost of CW1- Construction of Road Slope Protection Structure due to the change of structure from Reinforced Concrete Retention to Active Protection System (APS) since the area has an existing unstable 7-berm slope without protection with the maximum height of approximately 29 meters. Given these details, it was recommended to use active protection system to stabilize the slope.<u>Active Protection System (APS)</u> is a new and convenient technique of slope protection, which does not need massive ground excavation, and saves time in the installation process. It prevent soil erosion and rock fall as well as to provide support to unstable slope of the roads and provide safety among motorists and the people residing in the area.Change of station limits was made to prioritized stations K1277+300 – K1277+340 due to the recent damaged caused by constant heavy rains that require immediate construction of Slope Protection Structure.The project also includes 87 meters lined canal to prevent further damage to the carriageway brought about by the rainfall run-off.The derived unit cost is based on approved Program of Works (POW), Detailed Unit Price Analysis (DUPA) and Detailed Engineering Plans (DED).					

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



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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