



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.310107100599000 Project ID: P00706548MN					
OO1: Ensure Safe and Reliable National Road System – Asset Preservation–Rehabilitation/Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Primary Roads			OO1: Ensure Safe and Reliable National Road System – Asset Preservation–Rehabilitation/Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Primary Roads		
Daang Maharlika (Surigao-Agusan Sect) – K1180 + 145– K1180 +201			Daang Maharlika (Surigao-Agusan Sect) – K1180 + 145– K1180 +194		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Road Slope Protection Structure: 2,444.44 square meters	P 17,640.03/ Square meters	P 43,120,000.00	CW1- Construction of Road Slope Protection Structure: 1,510.89 square meters	P 28,539.47/ Square meters	P 43,120,000.00
EAO	-	P 880,000.00	EAO	-	P 880,000.00
Total:		P 44,000,000.00	Total:		P 44,000,000.00
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 Retevment to <u>Active Protection System (APS)</u> since as per actual survey on site the height of slope has a maximum of approximately 21 meters.Active Protection System (APS) is a new and convenient technique of slope protection, which does not need massive ground excavation, and saves time in the installation process. It prevents 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.The project also Includes 49 meters shoulder with width 2.5m and 49 meters lined canal at leftside.Adjustment in station limits due to the decrease in the physical target as per approved Program of Work (POW) , DUPA and Detailed Engineering Design 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., CESQ I
Undersecretary for Planning
and Public-Private Partnership Services



EUGENIO R. RIPO, 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



WIN3E03002