



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Bonifacio Drive, Port Area Manila



June 3, 2024

MEMORANDUM

FOR : **MANUEL M. BONOAN**
Secretary
This Department

This refers to the memorandum dated April 16, 2024 of **DPWH Region XIII Director POL M. DELOS SANTOS, CESO IV**, endorsing the request of **District Engineer WEALTHO M. MERILLANA**, Agusan del Sur 1st District Engineering Office, for the **modification** of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310106101214000 Project ID: P00801219MN ORGANIZATIONAL OUTCOME 1 : Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads NRJ Bayugan-Calaitan-Tandag Rd - K1273+451 - K1273+529, K1275+145 - K1275+370, K1291+000 - K1291+200, K1291+714 - K1291+777, K1292+050 - K1292+324, K1292+850 - K1292+886, K1293+153 - K1293+292			ORGANIZATIONAL OUTCOME 1 : Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads NRJ Bayugan-Calaitan-Tandag Rd - K1291+714 - K1291+776.92, K1292+166 - K1292+409.50, K1293+753 - K1293+780.10		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Rehabilitation of Paved Roads: 3.548 Lane Km	₱11,493,455.47/ Lane km	₱40,778,780.00	CW1- Rehabilitation of Paved Road: 0.67 Lane km	₱31,260,671.60/ Lane km ₱62.4 M/km	₱20,944,649.97
			CW2- Construction of Road Slope Protection Structure: 455 square meter	₱43,591.49/ Square meter	₱19,834,130.03
EAO	-	₱832,220.00	EAO	-	₱832,220.00
Total:		₱41,611,000.00	Total:		₱41,611,000.00

Website: <https://www.dpw.gov.ph>

ISO 9001

Website: <https://www.dpwh.gov.ph>
Tel. No(s): 5304-3000 / (02) 165-11



AU-CO-202406-02109

Justification:

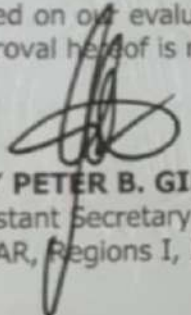
Decrease in the physical target/increase in the unit cost due to following:

- Increase in unit cost/decrease in physical target by 2.878 lane kilometers (from 3.548 Lane km to 0.67 Lane km) due to the inclusion of additional component CW2 which is Construction of Road Slope Protection Structure in order to protect the stability of the roadway, prevent road slips and scouring.
- Inclusion of Macro Synthetic Fiber used as additive to PCCP as per D.O 29 series of 2019 which involves Item 311(7) a4 - Portland Cement Concrete Pavement with Elasto Barchip-Synthetic Fibers with 280mm thickness and width of 6.70 meters to provide improved flexural ductility and toughness, abrasion, impact resistance, impedes crack development, slows crack growth and increased load capacity in pavements. It create concrete composites that are more durable than plain concrete and reduce spalling at contraction joints.
- Removal of existing PCCP 230mm thickness (BAD SECTION) with a carriageway width of 6.10 meters, a length of 293.66 meters and a thickness of 230mm.
- Change in the project limits to prioritize the road sections which are dilapidated, as per actual validation. And also, to address the accident prone areas, and reduced travel time. (See attached Final Road Condition Data and Straight Line Diagram)

Inclusion of CW2 - Construction of Road Slope Protection Structure due to:

- Provision of reinforced slope protection structure at the road slip section to restore the damage section having 7.50 meters and 10.00 meters length U-Type (400mm x 100mm x 10.50mm) steel sheet pile with a vertical height of 6.00 meters to be utilized for the 2-Berm structure.
- Please see attached evaluation of the Bureau of Construction (BOC) dated May 30, 2024, Project No. 5
- The derived unit cost is based from the approved Program of Works (POW) and the Detailed Unit Price Analysis (DUPA).

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

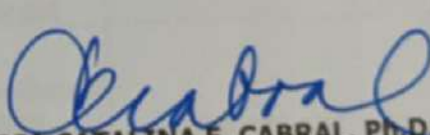

REY PETER B. GILLE, D.M.

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

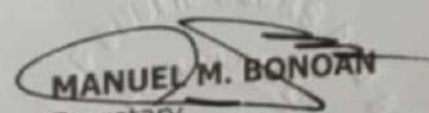
RECOMMENDING APPROVAL:


EUGENIO R. PIHO, JR.

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


MARIA CATALINA E. CABRAL, Ph.D., CESO I
Undersecretary for Planning and
Public-Private Partnership Services

APPROVED/~~DISAPPROVED~~:


MANUEL M. BONOAN
Secretary

2.3 LDAM/OAL/AVS/RPBG/ERP

Department of Public Works and Highways
Office of the Secretary


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