



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

Reference Number: **XIII-060**  
Project ID: **P00707530MN**

May 19, 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 May 16, 2023 of **DPWH Region XIII Director POL M. DELOS SANTOS, CESO IV**, endorsing the request of **District Engineer BEN ALDEN R. SERNA**, Agusan del Sur Second DEO, for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description			Project Description		
<b>UACS No. 310101100921000</b> <b>Project ID: P00707530MN</b>					
OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Preventive Maintenance - Primary Roads			OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Preventive Maintenance - Primary Roads		
Daang Maharlika (Agusan-Davao Sect) - K1330 + 984 - K1331 + 759, K1331 + 774 - K1332 + 571, K1333 + 653 - K1334 + 135, K1334 + 157 - K1335 + 000, K1336 + 000 - K1336 + 234			Daang Maharlika (Agusan-Davao Sect) - <b>K1326 + 300 - K1326 + 818, K1330 + 591 - K1330 + 669, K1331 + 095 - K1331 + 754, K1331 + 779 - K1332 + 571, K1333 + 653 - K1333 + 960, K1335 + 102 - K1335 + 320, K1336 + 500 - K1336 + 990, K1337 + 000 - K1338 + 146, K1348 + 896 - K1349 + 393</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Preventive Maintenance of Road: Asphalt Overlay: 6.262 Lane Km	₱ 15,409,333.28/ Lane Km	₱ 96,493,245.00	CW1- Preventive Maintenance of Road: Asphalt Overlay: <b>3.938 Lane Km</b>	₱ 9,227,637.23/ Lane Km <b>₱ 18.4 M/k.</b>	₱ 36,338,435.42
			CW2- Preventive Maintenance of Road: Concrete Reblocking: <b>3.6725 Lane Km</b>	₱ 16,379,798.39/ Lane Km <b>₱ 32.6 M/k.</b>	₱ 60,154,809.58
EAO	-	₱ 3,499,755.00	EAO	-	₱ 3,499,755.00
<b>Total:</b>		<b>₱ 99,993,000.00</b>	<b>Total:</b>		<b>₱ 99,993,000.00</b>

**Justification:**

Change in station limits due to:

- Prioritize and address the distressed, deteriorated and shattered areas which need immediate action, based on the latest Generated Visual Road Condition Data in the RBIA, to improve the rideability of our national primary road (AH21) and ensure safety of the travelling motorists.
- Also, the change in the project limits was made to synchronize with the decrease in the physical target and additional component.

Decrease in physical target and unit cost for CW1 due to:

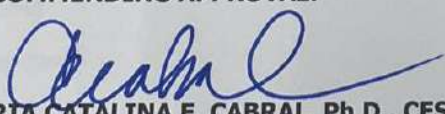
- Inclusion of CW2 - Concrete Reblocking Component. Selective Concrete Reblocking needs to be prioritized since this road section S00439MN - Daang Maharlika (Agusan -Davao Sect) manifest base failures, cracks & potholes that cannot be address by asphalt overlay since the problem occurs beneath the pavement.
  - Re-overlay of the existing Asphalt at three (3) sections with a total project cost of Php 36,338,435.42 (37.66%) in order to address series of potholes and surface failure.
  - The considerable amount of unit cost is due to the inclusion of concrete covered canal as per design consideration reflected in the Approved DED and POW.
  - The derived unit cost is based on approved Detailed Unit Price Analysis (DUPA) and Program of Works.
  - The unit price is based on the Approved 1<sup>st</sup> Quarter Regional Construction Materials Priced Data (RCMPD) 2023
- Introduction of CW2 due to the following:
- Upgrading of Asphalt to Concrete in selected deteriorated areas that cannot be addressed with asphalt overlay since the defects occurs beneath the pavement like base failure. Removal of existing 0.28m thick pavement (BAD CONDITION) and replace it with a width of 6.7m and thickness of 0.300m amounting to Php 16,895,192.26(28.09%) of the project cost.
  - Provision of Cement Treated Base (CTB) which involves Item 204(1)a - Portland Cement Stabilized Road Mix Course with 200mm thickness with an amount of Php 10,014,935.6 to provide a more stable support structure/foundation bed for the PCCP.
  - A total volume of 2,706.63 cu.m equivalent to Php 814,132.64 allotted for Surplus Common Excavation intended for the removal of existing subbase to be replaced with Cement Treated Base. These excavations shall be utilized and placed at low shoulder areas within the project limit.
  - As per result of the Pavement Analysis the minimum thickness for this section is 30.16 cm, thus, introduction of 311(1)f1 - Portland Cement Concrete Pavement (Unreinforced), 0.300 m. thick is needed as per design criteria analysis.
  - Inclusion of Macro Synthetic Fiber used as additive to PCCP as per D.O 29 series of 2019 & Memorandum dated December 28, 2021.

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

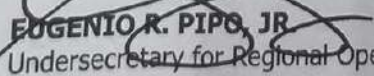
  
**ADOR G. CANLAS**

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