



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



July 11, 2024

**MEMORANDUM**

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

This refers to the memorandum dated 28 May 2024 of **DPWH Region X Director ZENAIDA T. TAN**, requesting for the approval of the Modification of the hereunder project covered by FY 2024 General Appropriations Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. 300215104058000</b> <b>Project ID: P00834883MN</b>  Convergence and Special Support Program Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities  Construction of Access Road, Jct. Don Carlos-Kadingilan Rd leading to Bukidnon Airport Terminal, Don Carlos, Bukidnon			Convergence and Special Support Program Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities  Construction of Access Road, Jct. Don Carlos-Kadingilan Rd leading to Bukidnon Airport Terminal, Don Carlos, Bukidnon		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
<b>CW1- Construction of Concrete Road/ 1.20 Lane Km</b>	<b>P20,104,166.67/ Lane Km</b>	<b>P 24,125,000.00</b>	<b>CW1- Construction of Concrete Road/ 1.200 Lane Km</b>	<b>P15,651,886.46/ Lane Km</b> <i>₱ 31.24/km</i>	<b>P 18,782,763.75</b>
-	-	-	<b>CW2- Construction of Road Slope Protection Structure/ 800.000 Square Meter</b>	<b>P6,678.42/ Square meter</b>	<b>P 5,342,736.25</b>
EAO	-	<b>P 875,000.00</b>	EAO	-	<b>P 875,000.00</b>
<b>Total:</b>		<b>P 25,000,000.00</b>	<b>Total:</b>		<b>P25,000,000.00</b>
<b>Justification:</b> <ul style="list-style-type: none"><li>The decrease in the unit cost was undertaken due to the construction of a 2-lane concrete road with 280mm thickness having considerable volume of roadway excavation and embankment, with a total volume of 1,164.50 cu.m. constituting 5.33% of the total project cost. This resulted from standard roadway side cuts and vertical alignment compliant with the DPWH Design Guidelines Criteria and Standards (DGCS) and in accordance with the Minimum Design Standards for Industry Roads which constitutes 48.11% of the total project cost.</li></ul>					

Website: [www.dpwh.gov.ph](http://www.dpwh.gov.ph)  
Tel. No(s).: 5304-3000 / (02) 165-02



- The inclusion of CW2 was deemed necessary to provide slope stability along sections with high embankment. This consists of a construction of stone masonry road slope protection structure, ranging from 1.00 meter to 2.30 meters in height which constitutes 11.77% of the total project cost.
- Further the project also includes the construction of reinforced concrete box culvert as provision for drainage structure, which constitute 9.26% of the total project cost.
- The derived unit cost is based on the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).
- See attached Certificate of Reasonableness of Cost Estimate signed and approved by the Regional Director.


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**


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

**APPROVED/~~DISAPPROVED~~:**

  
**MANUEL M. BONOAN**  
Secretary

Department of Public Works and Highways  
Office of the Secretary

  
WIN4XW00135