

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



May 24, 2024

**MEMORANDUM**

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

This refers to the memorandum dated 26 April 2024 of **DPWH Region XIII Director POL M. DELOS SANTOS** requesting for the approval of Modification of the hereunder project under FY 2024 General Appropriations Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description			Project Description		
<b>UACS No. 310201101370000</b> <b>Project ID: P00800154MN</b> OO1: Ensure Safe and Reliable National Road System Network Development - Road Widening - Primary Roads Daang Maharlika (Surigao-Agusan Sect) - K1224 + 779 - K1224 + 920, K1224 + 986 - K1225 + 010, K1225 + 148 - K1225 + 824, K1225 + 923 - K1226 + 000, K1235 + 515 - K1238 + 135, K1240 + 694 - K1240 + 863			OO1: Ensure Safe and Reliable National Road System Network Development - Road Widening - Primary Roads Daang Maharlika (Surigao-Agusan Sect) - K1225 + 923 - K1226 + 000, K1235 + 515 - K1238 + 135		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Widening 6.794 Lane Km	₱ 21,571,173.09/ Lane Km	₱ 146,554,550.00	CW1- Road Widening 5.182 Lane Km	₱ 28,281,464.68/ Lane Km	146,554,550.00
ROW- Road Widening 2.072 Lane Km	₱ 2,328,667.95/ Lane Km	₱ 4,825,000.00	ROW- ROW Acquisition 45,000.00 Sq.m.	₱ 107.22/ Sq.m.	₱ 4,825,000.00
EAO	-	₱ 5,490,450.00	EAO	-	₱ 5,490,450.00
Total:		₱ 156,870,000.00	Total:		₱ 156,870,000.00

**Justification:** Row. - per Sec. Memo dtd June 5, 2024


- Increase in unit cost/decreased in length of physical target by 1.612 lane km (from 6.794 lane km to 5.182 lane km).
  - Recompense the change in station limits. Project includes extension of pipe culverts, 3.00m width paved shoulder at both sides, 3.5m widening and correction with 0.15 for every 3.35m width of existing lane. The total project length was based on equivalent chainage, see attached plan.
  - Earthworks account for 7.78% of the overall direct cost, which involve clearing existing structures and obstacles like 50mm thick asphalt pavements, RCPC pipes with diameters of 910mm and 1220mm, as well as concrete structures and trees. Additionally, 3.90% of the direct costs are allocated for surplus common excavation within earthworks, including sidecut operations.
  - Surface Course accounts for 65.87% of the total direct cost, comprising a 300mm thick concrete pavement designed for the proposed widening, along with a 230mm thick concrete pavement designated for the paved shoulder
  - Drainage and Slope Protection Structure constitute 6.42% of the total direct cost, encompassing the installation of pipe culverts (with diameters 910mm and 1220mm), grouted riprap and stone masonry.

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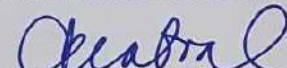
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- Miscellaneous Structure constitute 0.72% of the total direct cost allocated for pavement markings essential for road safety features.
- Quantification of ROW affected areas, the derived unit cost is based on the prevailing market values in the Locality
- The derived unit cost is based on the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).
- Attached are the following supporting documents: Approved Program of Works (POW), Approved Plan, BP Form 202, Certificate of Availability of Funds (CAF), Certificate of Reasonableness of Cost Estimate, Geotagged Photos and GIS Map of the Proposed Project Work Location.

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:**

  
**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



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