



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



September 18, 2024

**MEMORANDUM**

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

This refers to the memorandum dated 10 May 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					
<b>UACS No. 300221104921000 /</b> <b>Project ID: P00835944MN</b>  Convergence and Special Support Program Basic Infrastructure Program (BIP) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities  Construction of Bunawan - Veruela - Santa Josefa Road, Agusan del Sur (Phase 10)			Convergence and Special Support Program Basic Infrastructure Program (BIP) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities  Construction of Bunawan - Veruela - Santa Josefa Road, Agusan del Sur (Phase 10)		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road/ 26.406 Lane Km	P11,247,443.76/ Lane Km	P 297,000,000.00	CW1- Construction of Concrete Road/ 4.992Lane Km	P37,478,599.76/ Lane Km <i>P 74.8 M/Km.</i>	P 187,893,170.00
			CW2- Construction of Road Slope Protection Structure / 5,158.10 Square Meter	P21,307.62/ Sq. M.	P 109,906,830.00
EAO	-	P 3,000,000.00	EAO	-	P 3,000,000.00
Total:		P 300,000,000.00	Total:		P 300,000,000.00

**Justification:**

- Decrease in physical target/increase in the unit cost of CW1 - Construction of Concrete Road due to:
  - Earthworks cover 40.14% of the total direct cost due to embankments materials including boulder for the replacement of unsuitable material. The area is flood-prone and beside the Agusan River, thus, it is necessary to raise its roadway elevation to address flooding. The project design elevation is 2.50m from the original ground.
  - The Surface Courses cover 13.62% of the total direct cost intended for the construction of 230mm thick unreinforced Portland Cement Concrete Pavement having an area of 17,544.89sq.m.
  - Miscellaneous structures covers 1.41% of the total direct cost intended for guardrails and pavement markings for road safety features and lane separation of the opposing traffic vehicles.
- Additional component CW2 - Construction of Road Slope Protection Structure with substantial unit cost due to:
  - The addition of new component was made to address scouring, embankment loss, and slope stability due to the location of the project that is beside the principal river (Agusan River). The

river overflows the riverbank that possess hazard to the motorists and residence within the vicinity.

- It covers 36.69% of the total direct cost which includes the installation of 10,212.00 l. m. steel sheet pile and 3,761.27 cu. m. stone masonry for slope stability and to prevent soil erosion.
- The derived unit cost is based on the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).
- The unit cost also has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated September 17, 2024.
- 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.**

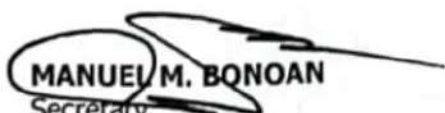
Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII

**RECOMMENDING APPROVAL:**

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

  
**EUGENIO R. PIPO, 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/AVS/RPBG/ERP

Department of Public Works and Highways  
Office of the Secretary



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