



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



August 01, 2024

MEMORANDUM

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

This refers to the memorandum dated 9 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					
UACS No. 300215104136000 ✓ Project ID: P00834944MN. ✓ 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 NRJ Tagbalili-Dumaganas Road Phase 2, Esperanza, Agusan del Sur .			 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 NRJ Tagbalili-Dumaganas Road Phase 2, Esperanza, Agusan del Sur -		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road/ 17.604 Lane Km ✓	P10,963,417.41/ Lane Km .	P 193,000,000.00 ✓	CW1- Construction of Concrete Road/ 4.960 Lane Km .	P25,990,407.26 / Lane Km .	P 128,912,420.00 ✓
			CW2- Construction of Road Slope Protection Structure/ ✓ 1,177.463 sq.m. ✓	P51.8 M/k. P54,428.53/ Sq. M. ✓	P 64,087,580.00 ✓
EAO	-	P 7,000,000.00 ✓	EAO	-	P 7,000,000.00 ✓
Total:		P 200,000,000.00 ✓	Total:		P 200,000,000.00 ✓

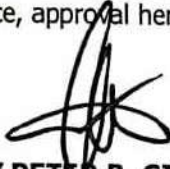
Justification:

- Increase in the unit cost/decrease in physical target of CW1 based on the validated/approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW) due to:
 - The huge earthworks requirement which covers 29.11% of the total direct cost. It comprises embankment from roadway/structure excavation with a total volume of 10,433.40 cu. m. and subgrade preparation (common material) with a total area of 11,099.94 sq. m. The project traverses a rolling terrain and forested area.
 - Drainage and Slope protection structures covers 3.70% of the total direct which cost intended for the cross drainage (Class II, 910mm dia. Pipe culverts) and grouted riprap (Class A) to prevent scouring at the inlet / outlet of the drainage.
 - The Surface Courses also contributes to 25.87% of the total direct cost intended for the construction of 150mm and 230mm thick unreinforced concrete pavement.
 - The addition of miscellaneous structures covers 0.52% of the total direct cost and is intended for pavement markings and metal guardrails essential to address road safety.

At-cc - 202408-03142


- Inclusion of component CW2 – Construction of Road Slope Protection Structure, intended for slippery sections in order to address slope stability and safety of the motorist passing the roadway/structure.
- The substantial unit cost of CW2 is attributed to the following:
 - The provision of grouted riprap and stone masonry having a volume of 737.34 cu. m. and 11.56 cu. m., respectively.
 - The construction of one 2.4mx2.4m reinforced concrete box culvert to address drainage and installation of 4,999.86 l. m. steel sheet piles ($w=72.8\text{kg/m}$) in order to securely retain earth and resist horizontal pressure.
- The unit cost also has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated July 31, 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. PIHO, 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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