



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**OFFICE OF THE SECRETARY**  
Manila



August 02, 2024

**MEMORANDUM**

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

This refers to the memorandum dated 16 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					
<b>UACS No. 310204102792000 .</b> <b>Project ID: P00803872MN .</b>  OO1: Ensure Safe and Reliable National Road System - Network Development - Construction of Bypass and Diversion Roads .  Construction of San Francisco, Agusan del Sur to Lianga, Surigao del Sur Bypass Road, Package 1 .			OO1: Ensure Safe and Reliable National Road System Network Development - Construction of Bypass and Diversion Roads .  Construction of San Francisco, Agusan del Sur to Lianga, Surigao del Sur Bypass Road, Package 1 .		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road 30.000 Lane Km .	₱9,650,000.00/ Lane Km .	₱ 289,500,000.00 .	CW1- Construction of Gravel Road 11.600 Lane Km .	₱24,956,896.55/ Lane Km ₱ 49.8 M/km	₱ 289,500,000.00
EAO	-	₱ 10,500,000.00 .	EAO	-	₱ 10,500,000.00 .
Total:		₱ 300,000,000.00 .	Total:		₱ 300,000,000.00 .

**Justification:**

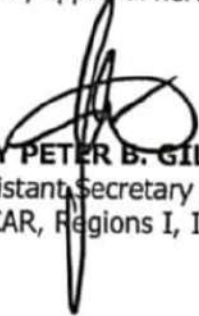
- Change in the type of work from "Construction of Concrete Road", 30 lane kms., to "Construction of Gravel Road", 11.60 lane kms., in order to continue the road opening of the entire road alignment.
- The decreased in the physical target/increased in unit cost is due to:
  - High unit cost per lane km that is attributed to the earthwork requirements of the project as reflected in the summary of quantities in the project plans.
  - Earthworks covers 84.09% of the total direct cost where Surplus Common Excavation (564,633.20 cu.m.), Embankment from Roadway/Structure Excavation (54,215.89 cu.m.) and Surplus Rock Excavation Soft (33,284.37) contribute 62.51%, 8.01% and 7.31%, respectively.
  - The Aggregate Subbase Course covers 12,546.40 cu.m. or 11.06% of the total direct cost of the project.
  - The project traverse mountainous terrain with design longitudinal gradient of G=-14% and G=-13%.
- The project Drainage and Slope Protection Structures cover 3.72% of the total direct cost for pipe culvert, box culvert, inlet and outlet protection, and headwall.
- 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, Straight Line Diagram, and GIS Map of the Proposed Project Work Location.
- The unit cost also has been evaluated and reviewed by the Bureau of Construction (BOC). See attached

AC-60-202409-03377

evaluation dated July 31, 2024.

- The proposed road alignment has no future RROW and DENR problems.
- The alignment of the project is more economically feasible and beneficial than the existing roads.


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

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

  
**MANUEL M. BONOAN**  
Secretary

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