



Republic of the Philippines
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 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					
UACS No.310204102780000 . ✓ Project ID: P00800840MN , ✓ OO1: Ensure Safe and Reliable National Road System Network Development – Construction of Bypass and Diversion Roads . ✓ Liangao Coastal Bypass Road (SDCR Alternate Route), Surigao del Sur . ✓			OO1: Ensure Safe and Reliable National Road System Network Development – Construction of Bypass and Diversion Roads Liangao Coastal Bypass Road (SDCR Alternate Route), Surigao del Sur		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road/ 5.328 Lane Km .	P9,650,000.00/ Lane Km .	P51,415,200.00 .	CW1- Construction of Concrete Bridge/ 1,391.688 Square Meters .	P18,028.47/ Square Meters ,	P 25,090,000.00
			CW2- Construction of Road Slope Protection Structure/ 681.30 Square Meters .	P25,114.36/ Square Meter .	P 17,110,415.00
			CW3- Construction of Drainage Structure along Road/ 54 Lineal Meters .	P170,644.17/ Lineal Meters .	P 9,214,785.00
EAO	-	P 1,864,800.00 .	EAO	-	P 1,864,800.00 .
Total:		P53,280,000.00 .	Total:		P53,280,000.00 .

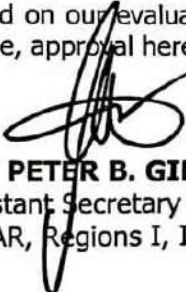
Justification:

- Change in the type of work of CW1 from Construction of Concrete Road to Construction of Concrete Bridge to continue the construction of concrete bridge, ensuring comprehensive improvement within the projects and enhancing overall connectivity.
- The physical target for CW1 – Construction of Concrete Bridge is 1,391.688 square meters attributed with the width of 18.360 meters and length of 75.80 meters.

46-CO-202408-03174


- Bridge Construction covers 45.45% for 404(1)a reinforcing steel grade 40, 404(1)b reinforcing steel grade 60 and 405(1)a3 structural concrete.
- Inclusion of CW2 – Construction of Road Slope Protection Structure to prevent erosion and other damages to the road caused by the tides, waves and storm surges but would also serve as a coastal defense to prevent waves from reaching to the road.
- The physical target for CW2 – Construction of Road Slope Protection Structure is 681.30 square meters due to the following:
 - Earthworks covers 12.75% of the total direct cost due to item 104(2)a embankment from borrow, common soil and item 104(5) boulder fill, intended for the construction of road slope protection.
- Inclusion of CW3 – Construction of Drainage Structure along Road is essential to minimize flooding in the area, thereby enhancing safety for road users. This item incorporates of item 404(1)a reinforcing steel, grade 40, 404(1)b reinforcing steel, grade 60, 405(1)a3 structural concrete, 20.68 Mpa, class A, 28 days, 407(8) lean concrete, class B (16.5 Mpa) and 508(1) hand-laid rock embankment, which is designed to significantly improve the local drainage system, ensuring efficient water management and preventing water accumulation on the roadway.
- The physical target for CW3 – Drainage Structure along Road is 54 lineal meters attributed to the following:
 - Drainage structures covers 17.53% and earthworks covers 0.37% of the total direct cost.
- The unit costs were derived from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA) and Detailed Engineering Design (DED) Plan.
- The unit cost also has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated July 31, 2024.

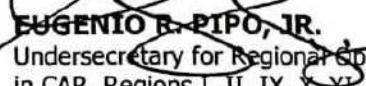
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.


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

2.3 mksa/AVS/RPBG/ERP

Department of Public Works and Highways
Office of the Secretary


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