



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

Reference Number:	XI-122
Project ID:	P00603851MN

August 10, 2022

MEMORANDUM

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

This refers to the memorandum dated July 26, 2022 of **DPWH Region XI Director REY PETER B. GILLE**, requesting for the **modification** of the project under FY 2022 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310205100865000 Project ID: P00603851MN					
OO1: Ensure Safe and Reliable National Road System – Network Development - Construction of Missing Links/ New Roads			OO1: Ensure Safe and Reliable National Road System – Network Development - Construction of Missing Links/ New Roads		
Mawab-Maragusan-Caraga Road, Package J, Davao Oriental			Mawab-Maragusan-Caraga Road, Package J, Davao Oriental		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Gravel Road: 5.452 lane km	₱ 25,198,854.55/ lane km	₱ 137,384,155.00	CW1- Construction of Gravel Road: 3.292 lane km	85.2 m/km ₱ 42,615,947.75/ lane km	₱ 140,291,700.00
ROW Acquisition: 27,260 sq.m	₱ 270.21/ sq.m	₱ 7,365,845.00	ROW Acquisition: 16,460 sq.m	₱ 271.85/ sq.m	₱ 4,458,300.00
EAO	-	₱ 5,250,000.00	EAO	-	₱ 5,250,000.00
Total:		₱ 150,000,000.00	Total:		₱ 150,000,000.00

Justification:

Adjustment in physical target for CW1 (Construction of Gravel Road) from 5.452 lane km to 3.292 lane km including component cost due to the following:

- Revised costs of construction materials are based on updated canvassed prices pursuant to Department Order No. 63, Series of 2022: Guidelines in Addressing the Effect of the Increasing Prices of Construction of Materials and Equipment Rental Rates Utilized for Infrastructure;
- The road runs on a mountainous terrain (common, solid, and rippable) which traverses ridge and cliff sections especially that said road is unopened;
- Because of this, there is a need to open/downgrade the road especially along the ridge sections (about a cut ranging from 20-38m) and offset the horizontal alignment especially along steep cliff sections (ranging from 38-40m) to conform with the DPWH Design Guidelines and Specification (Horizontal and Vertical Alignment and Road width). As such, the need for considerable amount for said opening/improvement/ gravelling; and
- Said major changes in the vertical and horizontal alignments require voluminous excavation. Road design requires side cuts of up to 38m involving 325,666 cu.m of excavation materials;
- Project also includes drainage and slope protection works with pipe culvert (910mm, 91lm) grouted riprap lined canal (104.30 cu.m.), and stone masonry (27.90 cu.m); and
- Inclusion of other miscellaneous structures such as trees furnishing and transplanting.
- The derived unit cost is based from the Detailed Engineering Design (DED) Plan, Program of Works (POW), and Detailed Unit Price Analysis (DUPA).
- See attached Certificate of Reasonableness of Cost Estimates signed by the Regional Director.

Adjustment of RROW area and amount since there are less structures/improvements that will be affected by the project due to the decrease in length. The derived unit cost for the ROW Acquisition is based on the current market values in the locality.

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


EUGENIO R. PIHO, JR.

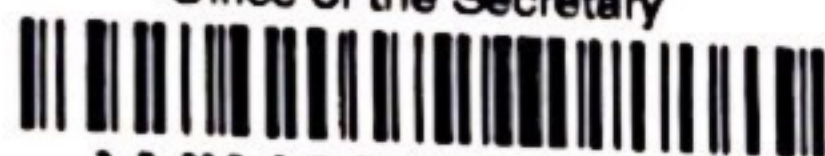
Undersecretary for Regional Operations
Regions I, II, CAR, IX, X, XI, XII and XIII

APPROVED/DISAPPROVED:


MANUEL M. BONOAN
Secretary

2.3 LDAM/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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