

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAY
OFFICE OF THE SECRETARY
 Bonifacio Drive, Port Area, Manila

Reference Number: **XI-154**
 Project ID: **P00550905MN**

May 03, 2021

MEMORANDUM

FOR : **MARK A. VILLAR**
 Secretary
 This Department

This refers to the Memorandum dated 22 April 2021 of **DPWH Region XI OIC-Regional Director REY PETER B. GILLE, DM**, endorsing the request of District Engineer Richard A. Ragasa, Davao City District Engineering Office for the **modification** of the project under FY 2021 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 300116204555000 Project ID: P00550905MN Local Program - Local - Local Roads and Bridges - Local Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects Construction of Road, Sitio Salukadang, Brgy. Mapula going to Brgy. Malabog, Paquibato District, Davao City			Local Program - Local - Local Roads and Bridges - Local Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects Construction of Road, Sitio Salukadang, Brgy. Mapula going to Brgy. Malabog, Paquibato District, Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road / 0.599 Lane Km	P 9,795,245.03 /Lane Km	P 40,376,000.00	CW1- Construction of Concrete Road / 0.599 Lane Km	P 68,433,898.31 /Lane Km	P 40,376,000.00
EAO	-	P 824,000.00	EAO	P 136 m/km	P 824,000.00
Total:		P41,200,000.00	Total:		P41,200,000.00
Justification: <i>to decrease of target</i> Change in type of work from concreting to graveling with considerable cost due to the following:					
- The road alignment traverses a very mountainous terrain (with ridge and cliff sections), hence, design requires very massive excavation works (surplus common) with a total volume of 124,765 cu. m. (sidecuts of up to 60 meters and thru cut of up to 25 m) to conform with the DPWH Design Guidelines and Standards (Horizontal and Vertical Alignment and Road Width); - With said massive excavation which will require substantial cost, road opening is being prioritized to make the road passable; - Existing carriageway is very narrow/trail, hence, project would require opening with 15 meters width of gravel surface; - In addition, this includes slope protection structures using steel sheet piles (height of 12 meters) with pile cap to ensure soil stability and prevent erosion on ridge sections with steeper slope; and - Design also requires offsetting of the horizontal alignment (at the mountain side) of up to 50 meters from the cliff side to the center.					

Based on our evaluation, the submitted request for modification of the said project is in order - hence, approval hereof is recommended. *see NO Act of Cnl. Heardsless*

EUGENIO R. PIPO, JR.
 Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
 Secretary

Department of Public Works and Highways
 Office of the Secretary



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