



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

22 MAY 2018

MEMORANDUM

FOR : Secretary MARK A. VILLAR
Secretary
This Department

This refers to the Memorandum dated 24 April 2018 of **DPWH Region XI Regional Director ALLAN S. BORRAMEO, CESO IV**, requesting for the approval of the Modification of the hereunder project for FY 2018 General Appropriation Act (GAA), to wit:

As per GAA/Original			As Modified		
Project Description					
UACS No. 300116200014000 Project ID: P00257776MN					
Local Program			Local Program		
Construction / Repair /Rehabilitation / Improvement of Various Infrastructure including Local Projects			Construction / Repair /Rehabilitation / Improvement of Various Infrastructure including Local Projects		
Local Roads and Bridges – Local Roads			Local Roads and Bridges – Local Roads		
Construction of Patel-Kapatagan Road Package 4, Davao del Norte			Construction of Patel-Kapatagan Road Package 4, Davao del Norte		
Physical Target	Unit Cost (P'000)	Allocation (P'000)	Physical Target	Unit Cost (P'000)	Allocation (P'000)
CW-1 Const. of Gravel Road: 26.667 lane km	P 14,474.82/ lane km	P 386,000	CW-1 Const. of Gravel Road: 15.28874 lane km	P 25,247.34/ lane km	P 386,000
EAO	-	P 14,000	EAO	-	P 14,000
Total:		P 400,000	Total:		P 400,000
Justification:					
Decrease in physical target from 26.667 lane km to 15.28874 lane km (with considerable cost) due to the following:					
<ul style="list-style-type: none">Actual terrain is mountainous for the entire stretch instead of the anticipated of mostly mountainous with portions of rolling;The existing gradeline in the area is very steep reaching even up to 49%. Hence, the alignment of the road was shifted to the most economical alignment for this project which will also connect 10 sitios/barangays of Davao Del Norte including Loreto Boundary in Region XIII, however, still needs huge volume of excavation since the lowest existing gradeline is about 20% on cliff sections. Massive excavation (mostly hard rock with common and soft rock) constitutes 89.75% of the project cost (attached are the back-up computations);Opening of the road requires substantial vertical correction (mostly through cut which ranges from 3-20 m for most sections and embankment which ranges from 1-6 m) to conform with the DPWH Design Guidelines and Standards (Horizontal and Vertical Alignment and Road Width); andThe design also requires offsetting of the horizontal alignment (at the mountain side) of up to 14 m and high side cuts (average of 15 m, highest is 32 m) as the road traverses cliff sections.					

Based on our evaluation, the herein request is found in order, hence approval is hereby recommended.


RAFAEL C. YABUT
Senior Undersecretary
Undersecretary for Regional Mindanao Operations

APPROVED/DISAPPROVED:


MARK A. VILLAR
Secretary

Department of Public Works and Highways
Office of the Secretary



WIN8C03050

2.1 MSQ/ACF/RCY