



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

04 JUN 2018

MEMORANDUM

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

This refers to the Memorandum dated 4 May 2018 of **DPWH Region XI Regional Director ALLAN S. BORROMEO, 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			Project Description		As Modified	
UACS No. 310205100175000 Project ID: P00201597MN						
OO1: Ensure Safe and Reliable National Road System			OO1: Ensure Safe and Reliable National Road System			
Network Development			Network Development			
Construction of Missing Links/ New Roads			Construction of Missing Links/ New Roads			
Bukidnon-Compostela Valley Road (Brgy. Namnam, San Fernando, Bukidnon-Laak Compostela Valley), Package 1, incl. ROW, Davao del Norte			Bukidnon-Compostela Valley Road (Brgy. Namnam, San Fernando, Bukidnon-Laak Compostela Valley), Package 1, incl. ROW, Davao del Norte			
Physical Target	Unit Cost (P'000)	Allocation (P'000)	Physical Target	Unit Cost (P'000)	Estimated Cost (P'000)	
CW1 Construction of Concrete Road: 12.91200 lane km	P21,712.50/ lane km	P280,351.80	CW1 Construction of Concrete Road: 7.3361 lane km	P27,946.89/ lane km	P205,021.17011	
EAO	-	P 10,500.00	CW2 Construction of Concrete Bridge: 381.60 sq.m.	P 87.90/ sq.m.	P33,542.94959	
ROW: 96,840 sq.m.	P0.09/ sq.m.	P 9,148.20	CW3 Construction of Concrete Bridge: 429.30 sq.m.	P 97.34/ sq.m.	P41,787.68030	
			EAO	-	P 10,500.00	
			ROW: 96,840 sq.m.	P0.09/ sq.m.	P 9,148.20	
Total:		P 300,000	Total:		P 300,000	

Justification:

- Decrease in physical target for construction of concrete road from 12.912 lane km to 7.3361 lane km and with additional type of work (construction of bridge) due to the following:
- As per actual survey, the project alignment crosses two rivers, hence, the need to prioritize the construction of two bridges to make the road passable especially that it will connect 15 barangay/sitios of Compostela Valley and Davao Del Norte Provinces including Namnam, San Fernando, Bukidnon in Region X. The needed bridges as per design are 40 lm and 45 lm, both on bored piles, which require almost 25% of the allocation, thus, amount for road was reduced;
 - The road section for concreting runs on a mountainous terrain instead of the anticipated combination of rolling and mountainous terrain;
 - There are only portions of the road alignment having existing gravel/earth carriageway (width of 4 m). Significant portions of the road require opening as there is no existing road;
 - The proposed road runs on a very steep gradeline reaching up to 30 %, hence, the need to excavate/ through cut for most portions of the road especially on the opening of road having height ranging from 3-15m (average of 9m) to conform with the DPWH Design Guidelines and Standards (Horizontal and Vertical Alignment and Road Width), hence, with massive excavation (mostly common with hard and soft rock which constitutes about 29% of the project cost); and
 - The design also requires offsetting of the horizontal alignment (at the mountain side) of up to 21 m and high side cuts (average of 9 m, highest is 24 m) as the road traverses cliff sections.

Please see attached summary of cost per component for the project.

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


RAFAEL C. YABUT
Senior Undersecretary
Officer-In-Charge

2.1 MSQ/ACF/RCY

Department of Public Works and Highways
Office of the Secretary



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