



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

03 MAY 2018

**MEMORANDUM**

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

This refers to the Memorandum dated 12 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. 310204100152000 Project ID: P00201455MN					
OO1: Ensure Safe and Reliable National Road System			OO1: Ensure Safe and Reliable National Road System		
Network Development Program			Network Development Program		
Construction of Bypass and Diversion Roads			Construction of Bypass and Diversion Roads		
Jct. Davao City Diversion Road -Buhangin-Tigatto Road (Buhangin Gallera Section), incl. ROW, Davao City			Jct. Davao City Diversion Road -Buhangin-Tigatto Road (Buhangin Gallera Section), incl. ROW, Davao City		
Physical Target	Unit Cost (P'000)	Allocation (P'000)	Physical Target	Unit Cost (P'000)	Estimated Cost (P'000)
CW-1 Const. of Concrete Road: 0.756 lane km	P 27,020.00/ lane km	P 20,427.12	CW-1 Const. of Gravel Road: 0.808 lane km	P 25,281.09/ lane km	P 20,427.12
ROW: 6,562 sq.m.	P 5.79/ sq.m.	P 37,993.98	ROW: 6,562 sq.m.	P 5.79/ sq.m.	P 37,993.98
EAO	-	P 2,118.90	EAO	-	P 2,118.90
Total:		P 60,540	Total:		P 60,540
Justification:					
Original work (construction of concrete road) was replaced with construction of gravel road (including change in physical target) due to:					
<ul style="list-style-type: none"><li>Massive earthworks (embankment from road excavation and borrow) which constitutes 77.23 % of the project cost; and</li><li>The project involves opening of the road which requires embankment (fill) since the area where the road alignment is located lies on a very low area (up to 7m deep) compared to its adjacent developed area (see attached plan and profile). Also, the existing roads that the project connects have much higher roadway elevation of 3-7.5 m. In addition, the proposed alignment is enclosed by subdivision and market place, hence, subjected to ponding. As such, there is a need to embank and raise the elevation of the road alignment to complement the existing elevation of the roads where it is connected and adjacent developed area. This requires an average embankment of 5 m. However, due to said huge requirement for earthworks, the given allocation could only cover partial embankment (average of 3 m) for the entire road stretch. As such, type of work was replaced and physical target was changed.</li></ul>					

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

**RAFAEL C. TABUT**

Senior Undersecretary  
Undersecretary for Regional Mindanao Operations

**APPROVED/DISAPPROVED:**

**MARK A. VILLAR**  
Secretary

2.1 MSQ/ACF/RCY

Department of Public Works and Highways  
Office of the Secretary



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