



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

June 11, 2018

**MEMORANDUM**

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

This refers to the memorandum dated April 16, 2018 of Regional Director **DANILO E. VERSOLA**, **DPWH-Region V**, requesting for the **modification** of project under the FY 2018 GAA, to wit:

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. 310204100075000</b> <b>Project ID: P00201069LZ</b> OO1 : Ensure Safe and Reliable National Road System - Network Development Program - Construction of By-Pass and Diversion Roads Camarines Sur-Albay Diversion Road (Camarines Sur Section), Camarines Sur			OO1 : Ensure Safe and Reliable National Road System - Network Development Program - Construction of By-Pass and Diversion Roads Camarines Sur-Albay Diversion Road (Camarines Sur Section), Camarines Sur		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1-Construction of Concrete Road/ 11.64 lane km	₱16.58 M /lane km	₱193.00M	CW1-Reconstruction of Concrete Road/ 4.8524 lane km	₱30.10 M /lane km	₱146,058,600
			CW2-Constructin of Slope Protection Structure/ 4,217.62 sq.m.	₱ 8,813.40 /sq.m.	₱37,171,400
			ROW Acquisiton/ 72,786 sq.m.	₱134.23 /sq.m.	₱9,770,000
EAO	-	₱7.00M	EAO	-	₱7.00M
Total:		₱ 200.00M	Total:		₱ 200.00M
<b>Justification:</b> <ul style="list-style-type: none"><li>Correction in type of work for CW1, from "Construction of Concrete Road" to "Reconstruction of Concrete Road" since the existing road is in bad condition. There are adjustments on the design road profile and location since the project is in mountainous terrain, thus, involves massive earthworks (39.73%). The project also requires earthworks for the additional lanes/widening, for future improvements.</li><li>Addition of CW2 – Construction of Slope Protection Structures (20.29%) to protect the road from sliding, scouring and erosion of soil.</li><li>Addition of ROW component (4.89%) due to the additional lane. The ROW area (4,852.4 lane m x 15 m) corresponds to the length of Civil works. This has low unit cost since the project location is not yet developed (in a remote area).</li><li>The increase in unit cost is due to:<ul style="list-style-type: none"><li>Inclusion of drainage in CW1 (14.15%) to protect the road from scouring during heavy rains. It adopts a covered lined concrete design that also functions as sidewalk.</li><li>High unit cost is attributed to the hauling cost of aggregates sourced from Nasisi River in Ligao City, Albay which is approximately 77 km away from the project site.</li><li>Provision of other road safety features such as guardrails and pavements markings.</li></ul></li></ul>					

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

**DIMAS S. SOGULON, CESO II**  
Undersecretary for Regional Operations  
Regions I, II, III, IV-A, V & CAR

**APPROVED/DISAPPROVED:**

**MARK A. VILLAR**  
Secretary

2.4 IMM/LCA/AVS/DSS

Department of Public Works and Highways  
Office of the Secretary



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