



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

March 21, 2018

**MEMORANDUM**

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

This refers to the memorandum dated 07 March 2018 of **DPWH Region II Director MELANIO C. BRIOSOS**, endorsing the request of **District Engineer MARIFEL T. ANDES**, Quirino District Engineering Office, for the **modification** of the project under FY 2018 GAA, to wit:

As per GAA/Original		As Modified	
Project Description			
UACS No. 300203100248000 Project ID: P00230176LZ			
Convergence and Special Support Program - Construction/Improvement of Access Roads leading to Declared Tourism Destinations		Convergence and Special Support Program - Construction/Improvement of Access Roads leading to Declared Tourism Destinations	
Access Road to Diamond Caves, Nagtipunan, Quirino		Access Road to Diamond Caves, Nagtipunan, Quirino	
Type of Work/ Physical Target	Unit Cost	Allocation	
CW1 – Construction of Concrete Road/ 3.600 lane-km	₱ 12.250M/ lane-km	₱ 44.100M	
-	-	-	
EAO	-	₱ 900.0T	
Total		₱ 45.0M	
Type of Work/ Physical Target	Unit Cost	Estimated Cost	
CW1 – Construction of Concrete Road/ 2.12 lane -km	₱ 15.550M/ lane-km	₱ 32.966M	
CW2 – Construction of Road Slope Protection Structure/ 2,695.50 sq.m.	₱ 4.13T/sq.m.	₱ 11.134M	
EAO	-	₱ 900.0T	
Total		₱ 45.0M	
<b>Justification:</b> Decrease in physical target due to: <ul style="list-style-type: none"><li>The inclusion of Drainage and Slope Protection such as Stone Masonry and RC Pipes in order to protect the PCCP from possible soil/subbase erosion;</li><li>The design of the roads involves 6.70 meters wide roadway, 0.28 meter thick PCC Pavement, with paved shoulders of 1.50 meters width, 0.15 meters thick both sides, and 0.35 meter thick aggregate base course as leveling course;</li><li>The increase of cost/km is the result of the increase in hauling distance of aggregate materials from quarry to project site, from 19kms to 33 kms; and</li><li>The common Soil Excavation (6,499 cu.m.) and Surplus Rock Excavation (4,082 cu.m.) is voluminous since the project is a barangay road. -</li></ul>			