June 22, 2020

MEMORANDUM

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

This refers to the memorandum dated May 26, 2020 of **DPWH Region XI Director ALLAN S. BORROMEO,** endorsing the request of OIC-District Engineer **DANIEL A. JARAVATA,** Compostela Valley DEO, for the **modification** of the project under FY 2020 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310107100172000 Project ID: P00400055MN OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Primary Roads Daang Maharlika (MN) - K1384 + **550** - K1384 + **650**, K1385 + 600 - K1385 + **650**, K1398 + **300** - K1398 + **360**, K1401 + **500** - K1401 + **550**, K1404 + **700** - K1404 + 800			OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Primary Roads Daang Maharlika (MN) - K1384 + **710** – K1384 + **867**, K1385 + 600 – K1385 + **638**, K1398 + **315** – K1398 + **423**, K1404 + **720** – K1404 + **800**		
Type of Work/ Physical Target	**Unit Cost**	**Allocation**	**Type of Work/ Physical Target**	**Unit Cost**	**Estimated Cost**
CW1- Construction of Road Slope Protection Structure/ **2,800.00 sq.m.**	₱ 9,800/ sq.m.	₱ 27,440,000	CW1- Construction of Road Slope Protection Structure/ **1,217.400 sq.m.**	₱ 22,540/ sq.m.	₱ 27,440,000
EAO	-	₱ 560,000	EAO	-	₱ 560,000
	Total:	₱ 28,000,000		**Total:**	**₱ 28,000,000**

Justification: *The unit cost is fr Rockfall net.*

Decrease in physical target from 2,800 sq.m. to 1,217.40 sq.m. and with modification in project limits were due to the following:

- Change in station limits to prioritize most critical sections that need immediate slope protection especially along cliff section wherein substantial volume has already eroded. Original 4th section was deleted since this was already addressed/undergone maintenance works;
- Increase in length in slope protection from 360 lm to 383.4 lm but with lesser area due to the decrease in average height of retaining wall from 5m to 3m and due to said deletion of one section;
- There is considerable cost for slope protection due to change in design for one section from retaining wall to steel sheet piles with concrete coping since along cliff section. The 38.4 lm road section as per design (2nd Section) requires height of 8m (3 layers, a total of 1,536 lm of sheet piles) to prevent excessive movement of soil and stabilize the unstable slope; and
- Height of embankment (along cliff section) is up to 5m and mostly from borrow which entails higher cost. Also, design of slope requires side cuts (mountain side) of up to 5m. Hence, with considerable volume resulting to increase in unit cost.

Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended. *subject to RO Certification on reasonableness of unit cost of Rockfall net w/c is very much higher than the DPWH-referenced unit cost fr base item.*

DIMAS S. SOGUILON, CESO I
Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

2.3 IMM/LCA/AVS/DSS