



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

May 11, 2017

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MEMORANDUM

FOR : MARK A. VILLAR
Secretary
This Department

This refers to the memorandum dated 05 May 2017 of **DPWH CAR Director NERIE D. BUENO**, endorsing the request of District Engineer, **ELEHIMICON M. LORENZANA**, Ifugao 1st District Engineering Office, for the **modification** of the hereunder stated project:

Location	Project Description		Physical Target / Cost	
	as per GAA UACS: 165003014600133	as modified	per GAA/Original	as modified
Hungduan, Ifugao	MFO-1 National Road Network Services, Asset Preservation of National Roads - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Tertiary Banaue Hungduan-Benguet Bdry Rd - K0360+030 - K0360+048, K0360+080 - K0360+200, K0360+090 - K0360+115, K0361+500 - K0361+600, K0361+850 - K0361+918, K0362+550 - K0362+670, K0363+140 - K0363+172, K0363+200 - K0363+260, K0366+900 - K0366+950, K0367+200 - K0367+240, K0367+850 - K0367+870, K0369+450 - K0369+500, K0369+650 - K0369+695 (Construction of Road Slope Protection Structure)	MFO-1 National Road Network Services, Asset Preservation of National Roads - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Tertiary Banaue Hungduan-Benguet Bdry Rd – K0360+022 - K0360+043, K0360+089 - K0360+144(LS), K0360+080 - K0360+195.50(R.S), K0361+418 - K0361+500, K0361+512 - K0361+534, K0361+747 - K0361+838 , K0362+368 - K0362+517, K0363+098 - K0363+136, K0363+141 - K0363+200, K0366+814 - K0366+873, K0367+200 - K0367+260, K0367+594 - K0367+614, K0369+314 - K0369+372, K0369+525-K0369+571, (Construction of Road Slope Protection Structure)	9,617.50 Sq.m.	8,841.19 Sq.m.
			Unit Cost: P9.237T/Sq.m.	Unit Cost: P10.049T/Sq.m
			Allocation: Php 88,846M	Estimated Cost: Php 88,846M

Justification:

- Decrease in physical target and increase in unit cost.
- The original station limits which were lifted from Road Slope Management (RSM) were revised to reflect the exact stations as per Road Bridge Information application – Local Reference Point (LRP) and to cover only those that presently need road slope intervention.
- Station K0363+200-Station K0363+260 was advanced to Station K0363+141-Station K0363+200 to avoid overlapping of projects.
- Station K0361+850-Station K0361+918 was advanced to station K0361+512-K0361+534 and K0361+747-K0361+838 because these station limits are the ones that actually need road slope intervention.
- The lengths and heights of the different stations were either increased or decrease to cover the actual dimentions that need road slope intervention based on actual field survey.
- The aggregate length of the original stations covered increased from 748 lm to 875 lm. However, the unit cost increased due to changes made in the type of structure to be built based on design criteria/parameters and actual field requirements as shown:

Type of Countermeasure/Intervention	Area (sq.m)	Weight, %
High Tensile Wire Mesh	2,806.69	43.05%
Crib Wall	2,610.50	29.53%
Stone Masonry (Breastwall/Stone masonry)	2,424.00	27.42%

- Considering the cost of the different road slope interventions as tabulated above, the unit cost of the project is high.

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

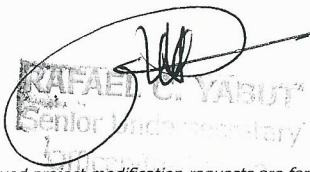

ROMEO S. MOMO

Undersecretary for Luzon Operations

APPROVED/ ~~DISAPPROVED~~:

MARK A. VILLAR

Secretary


RAFAEL C. YABUT
Senior Undersecretary

NOTE: Copies of the approved project modification requests are forwarded to the Office of Undersecretary Maria Catalina E. Cabral, PhD, CESO I.

2.4 alr/AVS/ERP/RSM

Department of Public Works and Highways
Office of the Secretary



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