



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

May 15, 2017

MEMORANDUM

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

This refers to the memorandum dated 12 May 2017 of **DPWH CAR Director NERIE D. BUENO**, endorsing the request of District Engineer **DOMINGO A. ENCISO**, Upper Kalinga District Engineering Office, for the **modification** of the hereunder stated project:

Location	Project Description		Physical Target / Cost	
	<i>as per GAA</i>	<i>as modified</i>	<i>per GAA/Original</i>	<i>as modified</i>
	UACS: 292003020402323			
Poblacion, Tinglayan, Kalinga	MFO 2 : Flood Management Services - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems, Rehabilitation of Bonog Bridge Flood Control along Chico River, Kalinga <i>(Construction of Revetment)</i>	MFO 2 : Flood Management Services - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems, Rehabilitation of Bonog Bridge Flood Control along Chico River, Kalinga <i>(Construction of Revetment)</i>	400 Lm	143 Lm
			Unit Cost: P12.500T/Lm	Unit Cost: P34.965T/Lm
			Allocation: PhP 5.0M	Estimated Cost: PhP 5.0M
Justification: <ul style="list-style-type: none">The original physical target of 400 ln.m, is reduced to 143 ln.m due to the change of design structure to be constructed, from an original design concept of "grouted riprap - 3 meters high", to a "grouted riprap with reinforced concrete armor" with a thickness 0.15 m and a height of 5 meters. The change in the design is necessary to attain more stable structure and to protect the residential houses and farmlands from the impact of flood and increase water level during typhoon.The reduce final target (143 ln.m) when constructed is still functional since the omitted target is to be addressed by the project; "Repair/Rehab of Bonog Bridge including its abutment protections" (Please see attached pictures).This decrease in the physical target resulted to an increase in the unit cost from 12,500/l.m. to 34,965.03/l.m. (179.72%) based from the approved Plans, Detailed Unit Price Analysis (DUPA) and Program of Works (POW).				

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 L. TABATA
Senior Undersecretary

Department of Public Works and Highways
Office of the Secretary



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

2.4 mksa/AVS/ERP/RSM