

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

MEMORANDUM

FOR

: Secretary MARK A. VILLAR Secretary

This Department

This refers to the Memorandum dated 4 May 2018 of **DPWH Region XI Regional Director ALLAN S. BORROMEO, CESO IV**, requesting for the approval of the Modification of the hereunder project for FY 2018 General Appropriation Act (GAA), to wit:

As per GAA/Original			As Modified		
		Project D	escription		
UACS No. 3102041 Project ID: P002014	00194000 75MN				
OO1: Ensure Safe and Reliable National Road System			001: Ensure Safe and Reliable National Road System		
Network Development		Network Development			
Network Developmen Roads Matiao-Magsaysay Coa		Bypass and Diversion	Roads	ent - Construction	of Bypass and Diversio N, Davao Oriental
Physical Target	Unit Cost (P'000)	Allocation (P'000)	Physical Target	Unit Cost (P'000)	Estimated Cost (P'000)
CW-1 Const. of Asphalt Road: 1.094 lane km	P 61,755.59/ lane km	P 67,560.615	CW-1 Const. of Gravel Road: 1.44 lane km	P 63,370.93/ lane km	P 91,254.13841
CW-2 Const. of Road Slope Protection Strucutre: 4,925.00 sq.m.	P 31.69/ sq.m.	P 156,025.060	CW-2 Const. of Road Slope Protection Strucutre: 2,795.00 sq.m.	P 47.35/ sq.m.	₽ 132,331.53662
ROW: 8,248.605 sq.m.	P 1.56/ sq.m.	P 12,839.325	ROW: 8,248.605 sq.m.	P 1.56/ sq.m.	P 12,839.325
EAO	-	P 8,575	EAO	-	P 8,575
	Total:	P 245,000		Total:	P 245,000
mainly involves massiv low. This requires su comprises the constru (basal reinforcement v instead of the original asphalt road due to sa for said funding in order Decrease in physical ta • The average sides). The Higher unit anchor inste steel sheet	ve embankment from bstantial cost especial ction of 4-lane road (woven geotextiles) wit proposal of 2 lanes, l id earthworks and mis er to allow embankmen arget for road slope pro- a height of the seawall required length for road cost for slope protection and of the anticipated sp piles to provide emban	of asphalt road to constr borrow (up to 8 m) since borrow (up to 8 m) since ly that the total width o t5.6 m) and bicycle lane h an area of 21,215 sq.r nence, requires huge volu- cellaneous structures. M to to settle first considerin <u>btection</u> structure from 4,4 structure as per design is d slope protection is 270 on since the appropriate d seawall using rock due to kment retention/stability. s necessary to prevent ho	a alignment traverses f the embankment is e with a total width o m. to prevent settlem <u>ume of earthworks</u> . A oreover, it is more ap ig the 8 meter high en 923 sq.m. to 2,795 sq 3 m (one side) instea Im. lesign is seawall with s a depth of 8m from se Permanent ground a	along the seashore v 22.5 m. or almost e f 6.9 m of which inc ent. In addition, the s such, the allocation propriate to prioritize nbankment. 	wherein the elevation is t quivalent to a 7-lane roa cludes separation geotext design for road is 4 lan is insufficient to constru- construction of gravel ro ng: erage height of 4.5m (bo ng permanent ground, uires 12-16 m length of eet piles having a total
also include	s drainage geotextiles e, with high unit cost.	(bi-axial separation and p			

Based on our evaluation, the herein request is found in order, hence approval is hereby recommended.

RAFABLE. YABUT

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Senior Undersecretary Undersecretary for Regional Mindanao Operations

APPROVED/DISAPPROVED:

MARK A. VILLAR Secretary RAFAEL C

2.1 MSQ/ACF/RCY

Senior Undersecretary Officer-In-Charge

