



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

10669

June 30, 2020

MEMORANDUM

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

This refers to the memorandum dated 03 June 2020 of **DPWH Region XI Director ALLAN S. BORRAMEO** requesting for the approval of the Modification of the hereunder project covered by CY 2020 General Appropriation Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 300116202249000 Project ID : P00443435MN					
Local Program - Local Roads and Bridges - Local Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects			Local Program - Local Roads and Bridges - Local Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects		
Road Widening along Jct. Davao City Diversion Rd. - Langub Rd. - Magtuod Rd., Davao City			Road Widening along Jct. Davao City Diversion Rd. - Langub Rd. - Magtuod Rd., Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Road Widening 3.00 lane km	₱ 24,125,000.00/ lane km	₱ 72,375,000.00	CW1 – Road Widening 2.0 lane km	₱15,814,720.00/ lane km <i>₱31.6M/km</i>	₱ 31,629,440.00
CW2 – Construction of Road Slope Protection Structure 2,165.990 sq.m.	₱ 28,959.04 / sq.m.	₱ 62,725,000.00	CW2 – Construction of Road Slope Protection Structure 3,499.62 sq.m.	₱ 29,566.22 / sq.m.	₱103,470,560.00
EAO	-	₱ 4,900,000.00	EAO	-	₱ 4,900,000.00
Total ₱ 140,000,000.00			Total ₱ 140,000,000.00		

Justification:

Decrease in physical target for road widening from 3.00 lane km to 2.00 lane km due to the following:

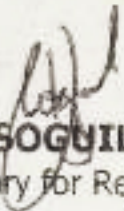
- The road traverses on portions with ridge sections having a depth of up to 50 m wherein widening would require construction of slope protection structures especially for road sections with steep slope. Said construction of slope protection structure constitutes about 76.64 % of the project cost, hence allocation for road is reduced;
- Road widening includes installation of drainage structures with pipe culverts having diameter of 910 mm; and
- Inclusion of miscellaneous structures such as sidewalk with curb and gutter, installation of metal guardrails (metal beam) including post, trees furnishing and transplanting and application of reflectorized thermoplastic pavement.

Increase in physical target for slope protection from 2,165.99 sq. m. to 3,499.62 sq. m. with considerable cost due the following:

- Increase in physical target to cover sections of the road which has urgent need for slope protection structures; and
- Considerable unit cost since the appropriate design for the road slope protection structure is Erosion Control Mat with high tensile wire mesh (3,499.62 sq.m.) to prevent excessive movement of soil and rock layer detachment and stabilize the unstable slope. The design also includes permanent ground anchor (with a total of 1114 anchors having a total length of 11,875 ln.m.) including hydroseeding/vegetation to prevent horizontal movement and ensure the stability of the structure.

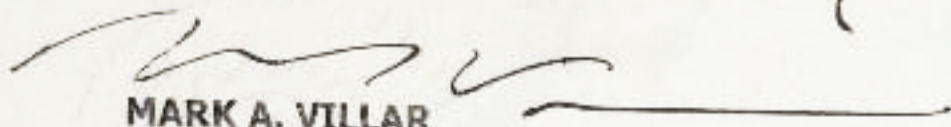
Based on our evaluation, the submitted request for modification of the said project is in order hence, it is respectfully recommended to the Secretary for his consideration and approval.

*subject
to NO Certificate of
Unit Cost of Assembly
of slope protection.*


DIMAS S. SOGUILON, CESO I

Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:


MARK A. VILLAR
Secretary

2.3 aap/AVS/DSS

Department of Public Works and Highways
Office of the Secretary



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COST