



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

Reference Number: **XI-246**
Project ID: **P00550656MN**

May 18, 2021

MEMORANDUM

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

This refers to the memorandum dated 06 May 2021 of **DPWH Region XI OIC-Director REY PETER B. GILLE** endorsing the request of **District Engineer RICHARD A. RAGASA, Davao City District Engineering Office**, for the approval of Modification of the hereunder project covered by CY 2021 General Appropriation Act (GAA), to wit;

covered by the 2021 General Appropriation Act (GAA), to wit,

As per GAA/Original			As Modified		
Project Description					
UACS No. 300116203449000 Project ID : P00550656MN					
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		
Preventive Maintenance of Road, Asphalt Overlay - Bolton St., Davao City			Preventive Maintenance of Road, Asphalt Overlay - Bolton St., Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Preventive Maintenance of Road: Asphalt Overlay/ 1.100 lane km	₱ 30,704,545.45/ lane km	₱ 33,775,000.00	CW1 – Preventive Maintenance of Road: <u>Asphalt Overlay/</u> 1.516 lane km	₱ 22,279,023.75/ lane km ₱ 44.4 m / km.	₱ 33,775,000.00
EAO	-	₱ 1,225,000.00	EAO	-	₱ 1,225,000.00
Total		₱ 35,000,000.00	Total		₱ 35,000,000.00

Justification:

See NO Cont of Cost Memorandum dtd 5/6/21
Increase in physical target from 1.100 lane km to 1.516 lane km but with substantial cost due to the following:

- There is considerable cost for asphalt overlay with varying width from 6.2m to 11 m (80mm thick) due to inclusion of "Anti-Rutting Additive" (ARA) to prevent the road surface from rutting since this section is located in a highly urbanized area especially that heavy and 10-wheeler cargo trucks are traversing this road. ARA is recommended to be used in asphalt overlay projects that will carry more than 2000 vehicles per day to improve the quality of asphalt per DO 11, S. 2019;
- Project length was extended to cover adjacent sections of the road which also need asphalt overlay with corrections. Transition ramps for six (6) junctions (length varying from 10m to 160m with varying widths from 4m to 8m) along the road section were also considered for asphalt overlay for road safety purposes;
- This also includes concrete re-blocking for dilapidated road surface of 29 blocks using 0.280m thick PCCP on 3- day curing. Hence, contributed to the increase in unit cost; and
- Scope of work also includes removal of actual structures/obstructions (existing PCCP and ACP), adjusting 8 manholes' elevation to avoid uneven grade line and other miscellaneous structures such as installation of internally illuminated (solar) pavement levelled marker/stud flush (bi-directional) and application of reflectorized thermoplastic pavement markings.

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

EUGENIO R. RIPO, JR.
Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

2.3 aap/LCA/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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