



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Bonifacio Drive, Port Area, Manila

Reference
Number: XI-100
Project ID: P00502210MN

April 15, 2021

MEMORANDUM

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

This refers to the Memorandum dated 19 March 2021 of **DPWH Region XI OIC-Regional Director REY PETER B. GILLE, DM**, requesting for the **modification** of the project under FY 2021 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310204101244000 Project ID: P00502210MN					
OO1: Ensure Safe and Reliable National Road System – Network Development – Construction of Bypass and Diversion Roads			OO1: Ensure Safe and Reliable National Road System – Network Development – Construction of Bypass and Diversion Roads		
Jct. Davao – Cotabato Rd. (Matina Crossing Section) – Matina Aplaya Rd. – Jct. Tulip Drive (Davao – Cotabato Rd.) – Ecoland Drive – Jct. ABS-CBN Quimpo Blvd. Diversion Rd. (John Paul Section), Davao City			Jct. Davao – Cotabato Rd. (Matina Crossing Section) – Matina Aplaya Rd. – Jct. Tulip Drive (Davao – Cotabato Rd.) – Ecoland Drive – Jct. ABS-CBN Quimpo Blvd. Diversion Rd. (John Paul Section), Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Reconstruction to Concrete Pavement 2.2752 Km	₱ 12,342,431 /Km	₱ 28,081,500.00	CW1- Reconstruction to Concrete Pavement 3.652 Km	₱ 15,147,935 /Km ₱ 30 M / Km	₱ 55,320,260.00
CW2 – Road Widening 1.48 Km	₱ 21,060,473 /Km	₱ 31,169,500.00	CW2 – Road Widening 0.277 Km	₱ 13,830,541 /Km ₱ 27.6 M / Km	₱ 3,831,060.00
CW3 – Off Carriageway Improvement: Shoulder Paving / Construction 1,588.183 sq.m.	₱ 8,263.53/ sq.m.	₱ 13,124,000.00	CW3 – Off Carriageway Improvement: Shoulder Paving / Construction 1,715.905 sq.m.	₱ 7,707 /sq.m.	₱ 13,223,680.00
ROW Acquisition 13,105.00 sq.m.	₱ 5,522.70/ sq.m.	₱ 72,375,000.00	ROW Acquisition 13,105.00 sq.m.	₱ 5,523/ sq.m.	₱ 72,375,000.00
EAO	-	₱ 5,250,000.00	EAO	-	₱ 5,250,000.00
Total:		₱150,000,000.00	Total:		₱150,000,000.00

Justification:

Increase in physical target for CW1 (reconstruction) from 2.275 lane km to 3.652 lane km with increase in amount and unit cost due to the following:

- As per final design based on actual site condition, there is longer length of existing damaged paved road in the alignment, as such, extended project limits to cover said sections which also needs reconstruction and consequently also needs additional allocation;
- Increase in unit cost since design of road requires correction on horizontal and vertical alignments of road which involves excavation (unsuitable and surplus common) with a total volume of 7,700.84 cu.m. and embankment of 1,911 cu.m. to conform with the DPWH Design Guidelines and Standards;
- The Portland Cement Concrete Pavement (PCCP) used is 7 day concrete instead of the usual 14 and 28 day concrete for the 2-4 lane road (having variable widths from 6.10m-13.4m, 280mm thk) since project is located in a highly urbanized area;
- Project also involves construction of drainage structures with pipe culverts of different sizes (610mm and 910mm dia.), manholes (CHB) of 910mm dia., adjusting manholes (concrete) of different sizes (910mm and 1220mm dia.) including inlets of 610mm dia. And installation of metal frames and grating; and
- Inclusion of other miscellaneous structures such as, installation of warning signs and regulatory signs and application of reflectorized thermoplastic pavement markings.

Decrease in physical target for road widening from 1.48 lane km to 0.277 lane km due to the following:

- The project component only needs widening of 277 meter road (1 lane) with 3.05 m width (280mm thk), as such, excess amount for this component was added to reconstruction (CW1);
- The Portland Cement Concrete Pavement (PCCP) used is 7 day concrete instead of the usual 14 and 28 day concrete since project is located in a highly urbanized area;
- Project also involves construction of drainage structures with pipe culverts of different sizes (610mm and 910mm dia.), manholes (CHB) of 910mm dia., adjusting manholes (concrete) of different sizes (910mm and 1220mm dia.) including inlets of 610mm dia. And installation of metal frames and grating; and
- Inclusion of other miscellaneous structures such as, installation of warning signs and regulatory signs and application of reflectorized thermoplastic pavement markings.

Increase in physical target for off-carriageway improvement from 1,588.183 sq.m. to 1,715.905 sq.m. due to the following:

- There are sections along the alignment with existing good pavement but needs sidewalk, curb and gutter to complement the adjacent sections, hence, increase in physical target
- Design off-carriageway includes sidewalk (100mm thk), curb and gutter (precast) and insertion lanes (80 lm, both sides). The width of the off-carriageway varies from 1.5 to 2.5 m; and
- Project also includes improvement/flaring of intersections at junction Ecoland-Sandawa (Jct. Quimpo Blvd. & Sandawa), Tulip Drive Intersection and Quimpo Blvd. (Jct. Quimpo Blvd. & Tulip Drive) and Tulip Drive Intersection (Jct. Davao Cotabato Road & Tulip Drive) including road sign and pavement markings.

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


EUGENIO R. PIPO, JR.

Undersecretary for Regional Operations in Mindanao


APPROVED/DISAPPROVED:

MARK A. VILLAR

Secretary

2.3 ECL/LCA/AVS/ERP

Department of Public Works and Highways
Office of the Secretary



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