June 30, 2020

MEMORANDUM

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

This refers to the memorandum dated June 11, 2020 of **DPWH Region XI Director ALLAN S. BORROMEO**, requesting for the **modification** of the project under FY 2020 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 300116202309000 Project ID: P00442813MN					
Local - Local Roads and Bridges - Local Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects			Local - Local Roads and Bridges - Local Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects		
Jct. R Magsaysay Ave. - L. Ma Guerrero St. - Guzman St. - Vinzon St. - T. Palma Gil St. - Jct. Dacudao - Jct. J.P. Cabaguio Ave, Davao City			Jct. R Magsaysay Ave. - L. Ma Guerrero St. - Guzman St. - Vinzon St. - T. Palma Gil St. - Jct. Dacudao - Jct. J.P. Cabaguio Ave, Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Reconstruction to Concrete Pavement/ 4.72 lane km	₱45,534,097.46/ lane km	₱214,920,940	CW1- Reconstruction to Concrete Pavement/ 4.992 lane km	₱40,477,784.66/ lane km ₱80.5 M/km.	₱202,065,101
			CW2- Road Widening/ 0.544 lane km	₱23,632,056.99/ lane km ₱47.2 M/k	₱12,855,839
EAO	-	₱ 7,795,060	EAO	-	₱ 7,795,060
	Total:	₱222,716,000		Total:	₱222,716,000

Justification:

Increase of physical target for CW1 (Reconstruction to Concrete Pavement) from 4.720 lane km to 4.992 lane km and with considerable unit cost due to the following:

- As per actual survey, there is longer length of dilapidated/ in bad condition road section that needs reconstruction;
- Portion of the road requires minimal correction on the vertical alignment (portion on grade while some have embankment of 0.5 m instead of the anticipated 1m as per design) resulting to minimal earthworks and consequently, low unit cost. Hence, project limit was extended to cover adjacent section which also needs reconstruction;
- Reconstruction consists of 0.596 km (4 lanes) and 1.304 km (2 lanes) with a total of 4.992 lane km road;
- The Portland Cement Concrete Pavement (PCCP) used in the design was of 7-day concrete instead of the usual 14-day or 28-day since the road section is located within an urbanized area;
- Project includes considerable drainage structures since road section is flood prone area. Drainage works involve RCPC (910 mm dia), manholes of different sizes (910 mm and 1220 mm), inlets (610 mm dia), adjusting manholes and concrete, clay, plastic and fiber pipe or high density polyethylene pipe (HDPE) for the outfall of different sizes (785 lm-900mm & 1954 lm – 1200mm);
- Considerable unit cost is also due to inclusion of retaining wall (steel sheet piles, height of 6m) to protect the road project against scouring since portion of the area of the road is where water flow accumulates;

Additional type of work/project component (Road Widening) with considerable unit cost due to the following:

- Portion of the road project needs widening (2-4 lanes) to maximize the road limits in order to increase the road network capacity and to connect existing for 4 lane road;
- Widening also includes portion of asphalting since road traverses a number of intersection on which asphalting (transition ramp/flaring) is in need to complement with the existing asphalt road and for homogeneity and safety purposes; and
- Considerable unit cost since PCCP used in the design was of 7-day concrete instead of the usual 14-days or 28-days and it includes sidewalk, curb and gutter, warning signs, regulatory signs and reflectorized thermoplastic pavement markings.

Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended. *subject to RD Certification on the reasonableness of unit cost $80 M/km for Concrete road reconstruction*

DIMAS S. SOSUILON, CESO I
Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

2.3 IMM/LCA/AVS/DSS