



June 30, 2020

## MEMORANDUM

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

This refers to the memorandum dated 29 May 2020 of **DPWH Region XI Director ALLAN S. BORROMEO** requesting for the approval of the Modification of the hereunder project covered by CY 2020 General Appropriation Act (GAA), to wit;

by the 2020 General Appropriation Act (GAA), to wit,

| As per GAA/Original   |                             |                 | As Modified   |  |                |
|---|-----------------------------|-----------------|---|--|----------------|
| Project Description   |                             |                 |   |  |                |
| UACS No. 300116202233000<br>Project ID : P00443395MN  |                             |                 |   |  |                |
| 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 |  |                |
| Rehabilitation of Paved Road along Matina Crossing Rd. (Jct. Davao - Cotabato Rd. - Jct. Davao City Diversion Rd.), Davao City                                  |                             |                 | Rehabilitation of Paved Road along Matina Crossing Rd. (Jct. Davao - Cotabato Rd. - Jct. Davao City Diversion Rd.), Davao City                                  |  |                |
| Type of Work/<br>Physical Target  | Unit Cost                   | Allocation      | Type of Work/<br>Physical Target  | Unit Cost                                      | Estimated Cost |
| CW1 - Reconstruction to Concrete Pavement<br><br>3.042 lane km  | P 26,955,195.27/<br>lane km | P 81,997,704.00 | CW1 - Reconstruction to Concrete Pavement<br><br>1.402 lane km  | P 56,406,461.23/<br>lane km<br><br>P 112 M/km  | P79,081,858.65 |
| CW2 - Road Widening<br><br>0.598 lane km  | P 24,251,331.10/<br>lane km | P 14,502,296.00 | CW2 - Road Widening<br><br>0.674 lane km  | P 25,842,939.69/<br>lane km<br><br>P 51.6 M/km | P17,418,141.35 |
| EAO   | -                           | P 3,500,000.00  | EAO   | -  | P 3,500,000.00 |
| Total P 100,000,000.00  |                             |                 | Total P100,000,000.00   |  |                |

**Justification:**

Decrease in physical target for CW1 (Reconstruction to Concrete Pavement) from 3.042 lane km to 1.402 lane km and with increase in unit cost due to the following:

- Designed width of carriageway is 10 m to maximize the road limits in order to increase the road network capacity;
- The Portland Cement Concrete Pavement (PCCP) used in the design was of 7-day concrete instead of the usual 14 or 28-day since the road section is located within an urbanized area;
- One of the sections of the road for reconstruction forms part of the approaches of the bridge (under CV 2018) which was designed to be elevated to follow the gradeline design of the bridge, hence, with massive embankment works. This requires embankment of up to 7 m and side fill of up to 15 m (mostly 5m-7m). Also, average base width of embankment at said section is 35 m and even has a road section with base width of up to 67 m. As such, requires considerable cost for earthworks especially that said embankment works are from borrow;
- Project includes considerable drainage structures since road section is flood prone. Drainage works involve RCPC of different sizes (610mm, 910mm, 1220mm, 1520mm), 1-barrel RCBC (3x2.10x16 Im), manholes of different sizes (910 mm, 1220mm, 1520 mm) and concrete, clay, plastic and fiber pipe or high density polyethylene pipe (HDPE) for the outfall (122 Im, 1600 mm dia). In addition, construction of drainage requires removal and restoration of affected existing pavement going to outfall (215.34 sq.m.); and
- Project also includes sidewalk, curb and gutter, insertion lanes, metal guardrail including post, metal beam end piece, warning signs, regulatory signs, guide of information sign, hazard markers and reflectorized thermoplastic pavement markings.

Increase in physical target for CW2 (Road Widening) from 0.598 lane km to 0.674 lane km and with increase in unit cost due to the following:

- Widening of road was prioritized to complement the on-going construction of 4 lane bridge (under CV 2018) in order to address bottleneck; and
- With considerable cost since widening includes embankment works of up to 7 m with grouted riprap (slope protection). Also, Portland Cement Concrete Pavement (PCCP) used in the design was of 7-day concrete instead of the usual 14 or 28-day project and it also includes sidewalk, curb and gutter, metal guardrail including post, metal beam end piece, warning signs, regulatory signs, guide of information sign, hazard markers and reflectorized thermoplastic pavement markings.

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.

*to RD Certification n  
of unit cont p CW-1.*

**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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*complied*