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

June 13, 2017

MEMORANDUM

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

Respectfully submitted is the Memorandum dated 08 May 2017 of **OIC-Regional Director ALLAN S. BORROMEO** of DPWH-XI, requesting for approval of the Modification of Project to be implemented by the said region under the FY 2017 GAA in the prescribed form (2017, version 2.1), to wit:

FROM	TO
MFO 1 – National Road Network Services **Network Development - Construction of By-Passes/ Diversion Roads, including ROW** Construction of Concrete Road and Construction of Road Slope Protection Structure - Davao City Coastal Bypass Road at Jct. Davao-Cotabato Road-Bago Aplaya-Talomo-Matina Aplaya-Roxas Avenue (Bago Aplaya-Times Beach Section), Davao City (Package 2) **Allocation :** **Total = ₱240.00 Million** Construction of Concrete Road = ₱175,108,015.00 Construction of Road Slope Protection Structure = ₱64,891,985.00 **Physical Target :** *Construction of Concrete Road* = 1.532 lane km *Construction of Road Slope Protection Structure* = 1,915 sq.m. **Unit Cost :** *Construction of Concrete Road* = ₱114,300,270.89/lane km *Construction of Road Slope Protection Structure* = ₱33,886.15 /sq.m.	**MFO 1 –** National Road Network Services **Network Development - Construction of By-Passes/ Diversion Roads, including ROW** Construction of Davao City Coastal Bypass Road at Jct. Davao - Cotabato Road – Bago Aplaya – Talomo – Matina Aplaya - Roxas Avenue (Bago Aplaya - Times Beach Section), Davao City (Package 2) **Allocation :** **Total = ₱240.00 Million** Construction of Asphalt Road = ₱168,982,747.20 Construction of Road Slope Protection Structure = ₱71,017,252.80 **Physical Target :** *Construction of Asphalt Road* = 1.532 lane km *Construction of Road Slope Protection Structure* = 4,210 sq.m. **Unit Cost :** *Construction of Asphalt Road* = ₱110,302,054.31/ lane km *Construction of Road Slope Protection Structure* = ₱16,868.71/sq.m.

JUSTIFICATION:

- There is no change in physical target for roads and length of slope protection (grouted riprap and seawall = 383 lm, both sides), however, increase in area for said slope protection structure from 1,915 sq.m. to 4,210 sq.m. as per actual need and design (height of structure varies depending on the depth of sea water). The allocation is just sufficient to cover the needed lengths (road and slope protection) as per original. Attached is a typical roadway section detail including seawall and grouted riprap. The scopes of work for the project also involve construction of sidewalk and bicycle lane, provision of metal guardrails including post, construction of lined canal and other drainage structures and fence.

- The main scope of work for the road project is embankment works inasmuch as it is along the coastal area. Concreting of the road was not considered for the design due to the anticipation of settlement of the ground/sea bed (embankment works) which will result damage to the concrete pavement. Inorder that said embankment will not be eroded by run-off waters, there is a need to pave the road and provide drainage for safety purposes. As such, the road was designed to be constructed with asphalt pavement instead of concrete especially that asphalt is a flexible pavement (considering the settlement). This design scheme was submitted to the Bureau of Design (BOD) and was approved. Hence, change in type of work.

Attached are the required documents, such as Evaluation Form (2017 version 2.1), BP202, Certificate of Availability of Funds (CAF), Approved Program of Work and Geotagged photographs.

In view of the above, the request for Modification of the Project is respectfully recommended for the Honorable Secretary's approval.

DIMAS S. SOGUILON, CESO II
Assistant Secretary for Mindanao Operations

APPROVED/~~DISAPPROVED~~:

MARK A. VILLAR
Secretary

RAFAEL C. YABUT
Senior Undersecretary
Officer-In-Charge

3.5IMM/LCA/DSS

Department of Public Works and Highways
Office of the Secretary
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