



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

August 3, 2021

MEMORANDUM

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

This refers to the memorandum dated July 30, 2021 of **DPWH Region XIII Director POL M. DELOS SANTOS**, endorsing the request of **District Engineer NOEL R. OCLARIT**, Surigao del Sur 2ND DEO, for the **modification** of the project under FY 2021 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 300111200356000 Project ID: P00550594MN					
Local Program - National Roads and Bridges - National Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects			Local Program - National Roads and Bridges - National Roads - Construction / Repair / Rehabilitation / Improvement of Various Infrastructure including Local Projects		
Construction of Bislig City Coastal Protection along Surigao-Davao Coastal Rd, Surigao del Sur			Construction of Bislig City Coastal Protection along Surigao-Davao Coastal Rd, Surigao del Sur		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road: 5.474 lane km	₱ 14,103,032.52/ lane km	₱ 77,200,000.00	CW1- Construction of Concrete Road: 0.480 lane km	₱ 91,088,976.56/ lane km	₱ 43,722,708.75
-	-	-	CW2- Construction of Slope Protection Structure: 2,353.37 sq. m	₱ 13,932.25/ sq. m	₱ 32,787,739.18
EAO	-	₱ 2,800,000.00	EAO	-	₱ 2,775,552.07
-	-	-	EXCESS	-	₱ 714,000.00
Total:		₱ 80,000,000.00	Total:		₱ 80,000,000.00
Justification:					
<ul style="list-style-type: none">The construction of concrete road is the major type of work, however, the physical target was decreased due to the inclusion of the construction of slope protection structure since the concrete road is along shoreline that requires concrete structure, grouted riprap, and steel sheet piles to avoid settlement or instability of the embankment.CW1- Construction of Concrete Road accounts to a total of 57.15% of the total construction cost inconsideration of the design requirements as per approved design plans, which involve earthworks, <u>big volume of embankment</u> from borrow (4,314.79 cu.m), boulder fill (30-70kg, H=1.55m, 7,597.96 cu.m) and hand-laid rock embankment (15-25 kg, H=1.60m, 7,958.03 cu. m) and construction of 200mm thk. Aggregate subbase course and PCC Pavement (Unreinforced) (150mm thk. And 280mm thk).The majority of the cost of CW2 came from the major items of work which involves the provision of voluminous boulder fill and hand-laid rock embankment coupled with high price of boulders that will be sourced out from Simulao, Davao Oriental (48 kilometers away from the project site by land hauling).Substantial cost for CW2 – Construction of Slope Protection Structures accounts to a total of 42.85% of the total construction cost considering design requirements as per approved design plans to prevent coastal erosion and to withstand severe wave action. This involves big volume of Grouted Riprap (Class A) (both left and right side), provision of adequate Concrete Slope Protection works (wave deflector wall) with a volume of 1,046.75 m³ and Steel Sheet Piles, L=6m at 60kg/m (right side), with concrete pile cap, having a total length of 3,600 meters to support embankment.The difference of the total amount by Php 714,000.00 from Php 80,000,000.00 to Php 79,286,000.00 was due to the corrections and adjustment made by the Bureau of Construction (BOC). Thus, the reduction of EAO was applied in accordance to the revised total project cost.					

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Infrastructure including Local Projects - Construction of Bislig City Coastal
Protection along Surigao-Davao Coastal Rd, Surigao del Sur

Page 2 of 2

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 LDAM/LCA/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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