

MEMORANDUM

This refers to the memorandum dated 15 March 2023 of **DPWH Region XII Director BASIR M. IBRAHIM**, endorsing the request for the **modification** of the project under FY 2023 GAA, to wit;

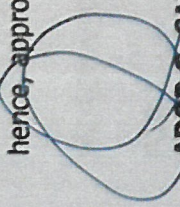
Justification:

- Decrease in physical target due to the usage of Furnished and Driven Steel Sheet Pile, Z-Type, Grade 50 with a depth of 6m and a total length of 2754.00 lm (41.7046%) and Concrete Slope Protection with a volume of 2,255.67 cu.m. (46.1058%) based on the approved DED and POW.
- The use of sheet pile was incorporated in the design to minimize the effect of bending stresses in the piles.
- As per design, to accommodate the design flood height requirements, the structure uses z-type steel sheet pile which has a larger section modulus (1355 cubic centimeter per meter) compared to conventional U-type steel sheet pile to withstand the water pressure needed for the river protection dike (6m² high double berm reinforced concrete).
- The project includes earthworks such as Structure Excavation and Embankment (from Borrow) (6.84%). The project also includes Pipe Culvert, 910mm dia (0.1194%).

27 May 2023 - SR 2023-01-002279 dated 1-30-2023

- The derived unit cost is based on approved DUPA and POW.
- Please see attached copy of a similar project evaluated by the Bureau of Construction (BOC) dated June 8, 2023. Project No. 3 (P00721304MN).

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

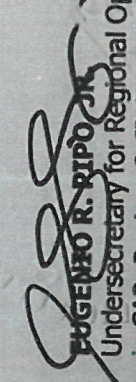

ADOR G. CANLAS

Assistant Secretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

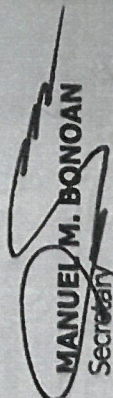
RECOMMENDING APPROVAL:



MARIA CATALINA E. CABRAL, Ph.D., CESO I
Undersecretary for Planning
and Public-Private Partnership Services


EUGENIO R. RIPO
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

APPROVED / DISAPPROVED:


MANUEL M. BONOAN
Secretary

2.3 LDAM/OAL/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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