

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



April 15, 2024

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary
This Department

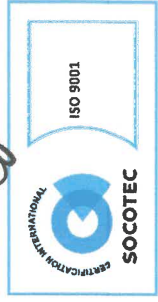
Respectfully submitted is the Memorandum dated April 11, 2024 of **DPWH Region IX Director CAYAMOMBAO D. DIA, CESO III** favorably endorsing the request of **OIC-District Engineer PABLO L. ESCUADRO, Zamboanga del Sur 1st District Engineering Office**, for the modification of the project under FY 2024 GAA, to wit:

As per GAA/Original			As Modified		
Project Description					
UACS No. 310107100643000 Project ID: P00802687MN			OO1: Ensure Safe and Reliable National Road System Asset Preservation - Rehabilitation /Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Primary Roads		
Lanao - Pagadian - Zamboanga City Road (RN9) K1646+500 - K1646+550 R/S			Lanao - Pagadian - Zamboanga City Road (RN9) K1640+519 - K1640+541.50 R/S		
Type of Work/ Physical Target	Unit Cost (Php)	Allocation (Php)	Type of Work/ Physical Target	Unit Cost (Php)	Estimated Cost(Php)
CW-1 – Construction of Road Slope Protection Structure 300.00 Square Meters	₱9,650.00 /sq.m	₱2,895,000.00	CW-1 – Construction of Road Slope Protection Structure 85.04 Square Meters	₱29,098.31 /sq.m	₱2,474,520.00
			CW-2 – Preventive Maintenance of Road: Concrete Reblocking 0.045 Lane Km	₱9,344,000.00 /Lane Km ₱18.6m/km	₱420,480.00
EAO	-	₱105,000.00	EAO	-	₱105,000.00
Total		₱3,000,000.00	Total		₱3,000,000.00

Use of Steel Sheet piling

Website: <https://www.dpwh.gov.ph>
Tel. No(s): 5304-3000 / (02) 165-02

At-10-202404-009999



Justification:

Change in station limit from K1646+500 - K1646+550 to **K1640+519 - K1640+541.50** due to the following:

- The other road slope protection project for FY 2024 with a Project ID of P00802688MN that is costing ₱12,000,000.00 is not enough for the actual road condition where project requires steel sheet piles, inclusion of miscellaneous structures for traffic safety and inclusion of CW2-Preventive Maintenance of Road where the 2 lanes is already collapsed and is not passable. There is still 22.50 meters of length left that is needed to put slope protection structure and road reblocking, thus change in station limits to connect with the remaining length and to cover the section where the soil slope failure dominantly occurs.
- The actual condition of original station as per GAA is still stable and is passable without the road slope protection structure. Distance between the new beginning station is 6.048km with the same road section. See attached Straight Line Diagram.

Increase in unit cost/decrease in physical target by 214.96 sq.m, from **300.00 sq.m to 85.04 sq.m**, due to the following:

- High cost of the steel sheet piles(6.0m) with coping beam that is 43.62% of the total cost. The said material was used due to the history of the road section where slope protection structure was easily damaged caused by water seepage.
- Inclusion of miscellaneous structures for traffic safety, such as metal guardrail (metal beam) including post, metal beam end piece, Hazard markers 450mm x 600mm chevron signs, reflective pavement studs and thermoplastic pavement markings.
- Inclusion of CW2-Preventive Maintenance of Road: Concrete Reblocking. A total length of 11m of road requires rehabilitation due to the unstable subbase caused by to soil erosion.
- The derived unit cost is based on the Approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached Evaluation of the Bureau of Construction for this project dated April 30, 2024.

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAP), BP 202, Straight Line Diagram, Geotagged photos and GIS Map.



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.



REY PETER B. GILLE
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, JR.
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and
XIII

APPROVED / DISAPPROVED:



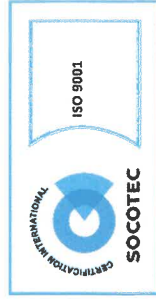
MANUEL M. BONOAN
Secretary

2.3 mksa/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
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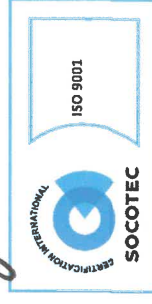
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MANUEL M. BONOAN
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2.3 mksa/AVS/AGC/ERP