



May 9, 2024

MEMORANDUM

FOR : MANUEL M. BONOAN  
Secretary  
This Department

This refers to the memorandum dated April 16, 2024 of DPWH Region XIII Director POL M. DELOS SANTOS, CESO IV, endorsing the request of District Engineer WEALTHO M. MERILLANA, Agusan del Sur 1<sup>st</sup> District Engineering Office, for the modification of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. 310105101068000</b> ✓ <b>Project ID: P00801215MN</b> ✓  ORGANIZATIONAL OUTCOME 1 : Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads ✓  NJR Bah-Bah-Talacogon Rd – K1311+776 – K1312+079, K1314+396 – K1314+963, K1314+1006 – K1317+138.			 ORGANIZATIONAL OUTCOME 1 : Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads ✓  NJR Bah-Bah-Talacogon Rd - K1311+776 – K1312+079, <b>K1312+112.00</b> , – <b>K1312+364.20</b> , <b>K1312+620</b> – <b>K1313+450</b> , <b>1313+640</b> – <b>K1313+718</b> , <b>K1314+387</b> – <b>K1314+450</b> , <b>K1314+560</b> – <b>K1314+890</b> , <b>K1315+677.00</b> – <b>K1315+718.20</b> , <b>K1316+724.00</b> – <b>K1316+900.80</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Rehabilitation of Paved Roads: ✓ 6.574 Lane Km	₱ 10,808,763.31/ Lane km ✓	₱ 71,056,810.00	CW1- Rehabilitation of Paved Road: <b>4.24</b> Lane km	₱ <b>16,470,326.66</b> / Lane km ✓  <b>₱ 32.8 M/k</b>	₱ 69,834,185.04
EAO	-	₱ 2,577,190.00	EAO	-	₱ 2,532,814.96
			<b>EXCESS</b>		<b>₱ 1,267,000.00</b>
<b>Total:</b>		<b>₱ 73,634,000.00</b>	<b>Total:</b>		<b>₱ 73,634,000.00</b>

Justification:

Change in the station limits in order to:

- Prioritize the road section which is dilapidated as per actual validation, to address the accident prone areas and reduced travel time.
- Increase in unit cost/decrease in physical target by 2.334 lane kilometers (from 6.574 Lane km to 4.24 Lane km) due to the substantial volume of earthworks and surface courses which is 7.68% and 79.38% respectively of the total direct cost.

*Return to Finance Service w/h 30 cd from approval*



- Inclusion of Macro Synthetic Fiber used as additive to PCCP as per D.O 29 series of 2019 which involves Item 311(7)a4 – Portland Cement Concrete Pavement with Elasto Barchip-Synthetic Fibers with 280mm thickness and a width of 6.70 meters to provide improved flexural ductility and toughness, abrasion, impact resistance, impedes crack development, slows crack growth and increased load capacity in pavements. It creates concrete composites that are more durable than plain concrete and reduce spalling at contraction joints.
- Removal of existing ACP 50mm thickness and PCCP 230mm thickness (BAD SECTION) with a carriageway width of 6.10 meters, a length of 2,122.20 meters.
- Provision of reinforced slope protection structure at the road slip section to restore the damage section having 6 meters length U-Type (400mm x 100mm x 10.50mm) steel sheet pile with a vertical height of 3.0 meters to be utilized for the 1-Berm structure.
- Change in the project limits to prioritize road segments based on the severity of damage such as several shattered slabs and severe scaling. (See attached Final Road Condition Data and Straight Line Diagram)
- The change in total amount of the project was reduced from Php 73,634,000.00 to Php 72,367,000.00 as the result of the evaluation on the construction cost of the project by the Bureau of Construction dated May 9, 2024 (see attached). Hence, there is an excess amount of Php 1,267,000.00.
- The derived unit cost is based from the approved Program of Works (POW) and the Detailed Unit Price Analysis (DUPA).

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), BP202, Geotagged photos, and Location Map.

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



**REY PETER B. GILLE, D.M.**  
Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII and XIII

**RECOMMENDING APPROVAL:**



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



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

**APPROVED/~~DISAPPROVED~~:**



**MANUEL M. BONOAN**  
Secretary