



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**OFFICE OF THE SECRETARY**  
Bonifacio Drive, Port Area, Manila



October 19, 2023

**MEMORANDUM**

**FOR :** **MANUEL M. BONOAN**  
Secretary  
This Department

This refers to the memorandum dated 8 September 2023 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of District Engineer **JOSELITO T. ARAO** of **Abra District Engineering Office** for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No.: 300214100335000 Project ID: P00739552LZ					
CONVERGENCE AND SPECIAL SUPPORT PROGRAM, Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239, Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0431+100 - K0432 + 000			CONVERGENCE AND SPECIAL SUPPORT PROGRAM, Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239, Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - <b>K0431+104 - K0432+050</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Pavement markings / 15.951 lane km.	₱ 6,049,777.44/ lane km.	₱ 96,500,000.00	CW1- Preventive Maintenance of Road: Concrete Reblocking / <b>1372.50</b> Lane Km	₱ <b>13,753.30/</b> Lane Km	<b>₱ 18,876,405.369</b>
			CW2- Road Safety: Guardrails / <b>734</b> meters	₱ <b>88,584.61/</b> meter	<b>₱ 65,021,102.42</b>
			CW3- Road Safety: Roadway Lighting / <b>60</b> units	₱ <b>209,865.47/</b> Number of unit	<b>₱ 12,591,928.35</b>
EAO	-	₱ 3,500,000.00	EAO	-	<b>₱ 3,499,616.85</b>
			<b>Excess:</b>		<b>₱ 10,947.03</b>
<b>Total:</b>		<b>₱ 100,000,000.00</b>	<b>Total:</b>		<b>₱ 100,000,000.00</b>

**Justification:**

- Based on the conducted site validation and inspection, it was determined that additional safety measures are required to address specific concerns identified in the selected road section. The presence of potential hazards necessitates the usage of Road Reblocking, Roller Barriers, and Roadway Lighting to ensure adequate safety for road users. Road Reblocking is vital for safety, smooth traffic flow and overall quality of the road section. The roller barrier do more than absorb impact energy. It converts the impact energy into rotational energy to propel the vehicle forward rather than potentially breaking through immovable guardrail. Solar LED Street Light is also included in order to enhance road visibility/illuminate the road particularly at night.
- Considering the site validation findings, it is recommended that the project's Type of Work be modified into CW-1- Preventive Maintenance of Road: Concrete Reblocking (using Item 311(1)e1 - Portland Cement Concrete Pavement - Unreinforced - 0.28m thk with a quantity of 1372.50 Lane Km), CW-2 - Road Safety: Guardrails (using Item 637(2) - Double Roller Safety Barrier System with a quantity of 734 meters) and CW-3 - Road Safety: Roadway Lighting (using Item 624(8) - Solar LED Street Lights with a quantity of 60 units). This modification will significantly contribute to the overall safety and integrity of the road section, safeguarding the well-being of road users.
- Station limits are modified to consider specific areas or sections of the road network that require immediate attention due to safety concerns, high traffic volume, and deteriorating conditions.
- The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW) with reference to the evaluation made by the Bureau of Construction as per memorandum dated September 29, 2023.

AG-co-2023/0-01832

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:**



**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 aap/AVS/RPBG/ERP

Department of Public Works and Highways  
Office of the Secretary



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