



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



September 29, 2023

MEMORANDUM

- FOR** : **Undersecretary EUGENIO R. PIPO, JR.**
For Regional Operations in CAR, Region I, II, IX, X, XI, XII and XIII
- SUBJECT** : **Request for Approval of Modification of Six (6) Motor Vehicle User's Charge (MVUC) Projects Prepared by DPWH Abra District Engineering Office in the total amount of P600,000,000.00 under FY 2023 GAA:**
1. **P00739551LZ – 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 – K0427+023 – K0430+967**
 2. **P00739555LZ – 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-Kalinga Rd – K0441+001.8 – K0449+943.0**
 3. **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+104 – K0432+050**
 4. **P00739553LZ – 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 – K0432+058 – K0433+460**
 5. **P00739554LZ – 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-Kalinga Rd – K0433+587 – K0440+990**
 6. **P00739550LZ – 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 – K0416+938 – K0426+392**

Forwarded herewith are the results of the review/evaluation of the above-mentioned six (6) projects out of fifteen (15) projects requested for modification, which were referred to this

September 29, 2023

MEMORANDUM

FOR : **Undersecretary EUGENIO R. PIPO, JR.**
For Regional Operations in CAR, Region I, II, IX, X, XI, XII and XIII

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Forwarded herewith are the results of the review/evaluation of the above-mentioned six (6) projects out of fifteen (15) projects requested for modification, which were referred to this

Office per Memorandum dated August 02, 2023 (**Annex A**). Please be informed that the aforementioned fifteen (15) projects were returned by this Office for compliance and submission of lacking documents through a memorandum dated August 8, 2023 (**Annex B**); however, twelve (12) projects of which were resubmitted by that Implementing Office on September 8, 2023 (**Annex C**), and six (6) projects of which were reviewed/evaluated and forwarded to your Office through a memorandum dated September 22, 2023 (**Annex D**). Likewise, the above-mentioned six (6) projects were withdrawn due to necessary corrections on the Detailed Unit Price Analyses (DUPAs) per memorandum dated September 20, 2023 (**Annex E**) and were resubmitted through memorandum dated September 22, 2023 (**Annex F**) of the District Engineer, Abra District Engineering Office, CAR.

PROJECT NO. 1

The amount of **P100,000,000.00** for the **656.00 linear meter** Installation of Road Safety Devices along Abra-Ilocos Norte Rd – K0427+023 – K0430+967 as submitted was reduced to **P99,796,893.94** (inclusive of EAO) due to the corrections made on the equipment rental rates, and labor & equipment utilization. Likewise, the items of work and corresponding quantities were based on the Program of Works (POWs), Detailed Engineering Design plans, and other pertinent documents duly approved by the District Engineer, DPWH - Abra DEO.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.69%
Part B	Other General Requirements	P 593,225.45	0.61%
Part F	Bridge Construction	P 2,311,668.89	2.40%
Part H	Miscellaneous Structures	P 92,739,305.93	96.30%
	GRAND TOTAL	P 96,304,002.66	100.00%

Cost per linear meter of road safety devices (Part H only)

=

P92,739,305.93

656.00 l.m.

=

P141,370.89/l.m.

The cost per linear meter of **P141,370.89** as modified is due to the design requirements as reflected in the duly approved plans, which includes the installation of double roller safety barrier system and solar LED street lights (single arm and double arm posts), which accounts to **96.30%** of the total project cost. Hence, it is considered reasonable as the unit costs of the pay items of work involved are within the range of the prevailing cost of the Department.

PROJECT NO. 2

The amount of **P100,000,000.00** for the **734.00 linear meter** Installation of Road Safety Devices Along Abra-Kalinga Rd – K0441+001.8 – K0449+943.0 as submitted was reduced to **P99,827,900.60** (inclusive of EAO) due to the corrections made on the equipment rental

rates, and labor & equipment utilization. Likewise, the items of work and corresponding quantities were based on the Program of Works (POWs), Detailed Engineering Design plans, and other pertinent documents duly approved by the District Engineer, DPWH - Abra DEO.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.68%
Part B	Other General Requirements	P 602,817.99	0.63%
Part F	Bridge Construction	P 1,928,227.98	2.00%
Part H	Miscellaneous Structures	P 93,143,075.73	96.69%
	GRAND TOTAL	P 96,333,924.08	100.00%

Cost per linear meter of road safety devices (Part H only) = $\frac{P93,143,075.73}{734.00 \text{ l.m.}}$ = **P126,897.92/l.m.**

The cost per linear meter of **P126,897.92** as modified is due to the design requirements as reflected in the duly approved plans, which includes the installation of double roller safety barrier system and solar LED street lights (single arm and double arm posts), which accounts to **96.69%** of the total project cost. Hence, it is considered reasonable as the unit costs of the pay items of work involved are within the range of the prevailing cost of the Department.

PROJECT NO. 3

The amount of **P100,000,000.00** for the **734.00 linear meter** Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0431+104 – K0432+050 as submitted was reduced to **P99,989,052.97** (inclusive of EAO) due to the corrections made on the equipment rental rates, and labor & equipment utilization. Likewise, the items of work and corresponding quantities were based on the Program of Works (POWs), Detailed Engineering Design plans, and other pertinent documents duly approved by the District Engineer, DPWH - Abra DEO.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.68%
Part B	Other General Requirements	P 768,870.49	0.80%
Part C	Earthworks	P 1,230,067.57	1.27%
Part E	Surface Courses	P 15,371,471.69	15.93%
Part F	Bridge Construction	P 846,193.23	0.88%
Part H	Miscellaneous Structures	P 77,613,030.77	80.44%
	GRAND TOTAL	P 96,489,436.12	100.00%

Cost per linear meter of road safety devices (Part H only) = $\frac{P77,613,030.77}{734.00 \text{ l.m.}}$ = **P105,739.82/l.m.**

The cost per linear meter of **P105,739.82** as modified is due to the design requirements as reflected in the duly approved plans, which includes the installation of double roller safety barrier system and solar LED street lights (single arm and double arm posts), which accounts to **80.44%** of the total project cost. Hence, it is considered reasonable as the unit costs of the pay items of work involved are within the range of the prevailing cost of the Department.

PROJECT NO. 4

The amount of **P100,000,000.00** for the **734.00 linear meter** Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0432+058 – K0433+460 as submitted was reduced to **P99,989,289.44** (inclusive of EAO) due to the corrections made on the equipment rental rates, and labor & equipment utilization. Likewise, the items of work and corresponding quantities were based on the Program of Works (POWs), Detailed Engineering Design plans, and other pertinent documents duly approved by the District Engineer, DPWH - Abra DEO.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.68%
Part B	Other General Requirements	P 840,793.48	0.87%
Part C	Earthworks	P 1,264,731.05	1.31%
Part E	Surface Courses	P 15,265,113.40	15.82%
Part F	Bridge Construction	P 846,193.23	0.88%
Part H	Miscellaneous Structures	P 77,613,030.77	80.44%
	GRAND TOTAL	P 96,489,664.31	100.00%

Cost per linear meter of road safety devices (Part H only) = $\frac{P77,613,030.77}{734.00 \text{ l.m.}}$ = **P105,739.82/l.m.**

The cost per linear meter of **P105,739.82** as modified is due to the design requirements as reflected in the duly approved plans, which includes the installation of double roller safety barrier system and solar LED street lights (single arm and double arm posts), which accounts to **80.44%** of the total project cost. Hence, it is considered reasonable as the unit costs of the pay items of work involved are within the range of the prevailing cost of the Department.

PROJECT NO. 5

The amount of **P100,000,000.00** for the **734.00 linear meter** Installation of Road Safety Devices Along Abra-Kalinga Rd – K0433+587 – K0440+990 as submitted was reduced to

P99,827,900.60 (inclusive of EAO) due to the corrections made on the equipment rental rates, and labor & equipment utilization. Likewise, the items of work and corresponding quantities were based on the Program of Works (POWs), Detailed Engineering Design plans, and other pertinent documents duly approved by the District Engineer, DPWH - Abra DEO.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.68%
Part B	Other General Requirements	P 640,327.35	0.67%
Part F	Bridge Construction	P 1,890,718.62	1.96%
Part H	Miscellaneous Structures	P 93,143,075.73	96.69%
	GRAND TOTAL	P 96,333,924.08	100.00%

Cost per linear meter of road safety devices (Part H only) = $\frac{P93,143,075.73}{734.00 \text{ l.m.}}$ = **P126,897.92/l.m.**

The cost per linear meter of **P126,897.92** as modified is due to the design requirements as reflected in the duly approved plans, which includes the installation of double roller safety barrier system and solar LED street lights (single arm and double arm posts), which accounts to **96.69%** of the total project cost. Hence, it is considered reasonable as the unit costs of the pay items of work involved are within the range of the prevailing cost of the Department.

PROJECT NO. 6

The amount of **P100,000,000.00** for the **501.00 linear meter** Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0416+938 – K0426+392 as submitted was reduced to **P99,755,548.37** (inclusive of EAO) due to the corrections made on the equipment rental rates, and labor & equipment utilization. Likewise, the items of work and corresponding quantities were based on the Program of Works (POWs), Detailed Engineering Design plans, and other pertinent documents duly approved by the District Engineer, DPWH - Abra DEO.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.69%
Part B	Other General Requirements	P 692,894.29	0.72%
Part C	Earthworks	P 61,762.14	0.06%
Part E	Surface Courses	P 461,605.29	0.48%
Part F	Bridge Construction	P 5,507,404.38	5.72%
Part H	Miscellaneous Structures	P 88,880,635.70	92.33%
	GRAND TOTAL	P 96,264,104.18	100.00%

Cost per linear meter of road safety devices (Part H only) = $\frac{P88,880,635.70}{501.00 \text{ l.m.}}$ = **P177,406.46/l.m.**

The cost per linear meter of **P177,406.46** as modified is due to the design requirements as reflected in the duly approved plans, which includes the installation of double roller safety barrier system and solar LED street lights (single arm and double arm posts), which accounts to **92.33%** of the total project cost. Hence, it is considered reasonable as the unit costs of the pay items of work involved are within the range of the prevailing cost of the Department.

For the Undersecretary's information and reference.


ALLAN S. BORRROMEO, CESO III
Director, Bureau of Construction

cc: Undersecretary ADOR G. CANLAS, for Technical Services and Information Management Service (IMS)
Regional Director KHADAFY D. TANGGOL, DPWH Cordillera Administrative Region (CAR)
District Engineer JOSELITO T. ARAO, DPWH-Abra District Engineering Office

6.1.1 MVG/RTO/CBC/JTS/MIP
09292023_Modification Abra 6 Projects (Evaluated)
BOC Ref. No.: 6.1-132-11273
PCD Ref. No.: 6.1.1-420-02



September 8, 2023

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary

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

SUBJECT : Request for the Modification of the Project: 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 - K0416 + 400 - K0426 + 500

We are respectfully forwarding the Memorandum dated September 7, 2023 from **District Engineer JOSELITO T. ARAO, Abra District Engineering Office**, of the above project in the amount of **One Hundred Million Pesos (Php 100,000,000.00)**, as indicated below:

	As per GAA/Original	As Modified
Project ID	P00739550LZ	
UACS	300214100333000	
Project Title	Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0416 + 400 - K0426 + 500	Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0416 + 938 - K0426 + 392
Scope of Work	Road Safety: Pavement markings	CW1 – Road Safety: Guardrails CW2 – Road Safety: Street Lighting
Physical Target	15.951 Lane KM	CW1: 501.000 meters CW2: 120 Number of Street Lights

The supporting documents based on D.O. No. 23, series of 2023 are attached for your ready reference.

For the consideration of the Secretary.


KHADAFFY D. TANGGOL
Regional Director

CAR.1 TPIL/EFD/JWC/ABM





Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
ABRA
DISTRICT ENGINEERING OFFICE
CORDILLERA ADMINISTRATIVE REGION
Bangued, Abra



September 7, 2023

MEMORANDUM

FOR : KHADAFFY D. TANGGOL
Regional Director

THRU : ANGELITA B. MABITAZAN
Chief, Planning and Design Division

SUBJECT : Request for the Modification of the Project: 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 - K0416 + 938 - K0426 + 392

We are respectfully submitting for review and evaluation the above-mentioned subject for Modification, amounting to **One Hundred Million Pesos (Php 100,000,000.00)**, as indicated below:

FROM	TO
Project Title: Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0416 + 400 - K0426 + 500	Project Title: Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0416 + 938 - K0426 + 392
Scope of Work: CW1 – Road Safety: Pavement Markings	Scope of Work: CW1 – Road Safety: Guardrails
Physical Target: CW1 – 15.951 Lane Km	Physical Target: CW1 – 501.000 Meters

The supporting documents based on D.O. No. 23, series of 2023 are attached for your ready reference.


JOSELITO T. ARAO
District Engineer

CAR.8.1 MJDJ/CLAR/JTA

Telefax: (074) 752-7734 Email Address: dpwh.abra@yahoo.com

CHECKLIST
PROJECT MODIFICATION

Implementing Office : **Abra District Engineering Office**
Project Name/Location : **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 - K0416 + 938 - K0426 + 392**

Project ID : **P00739550LZ** UACS Code : **300214100333000**
Project Allocation : **Php 100,000,000.00**

- ☒ **1. Modification Request Form**
- ☒ **2. AIP**
- ☒ **3. Certificate of Availability of Funds**
- 4. Supporting Data & Analysis**
- ☒ a. Road Condition (RBI/A Latest Official Database)
- ☒ b. Traffic Volume Capacity Ratio (for Widening Projects)
- ☒ c. Bridge Condition (BMS Latest Official Database)
- ☒ d. Hydraulic & Hydrologic Analysis (for New/Replacement Bridges and Flood Control Projects)
- ☒ e. RSM Forms (for Road Slips)
- ☒ f. Project Impact Analysis (for Flood Control Projects)
- ☒ g. Master Plan (for Flood Control Projects)
- ☒ **5. BP 202**
- 6. Geotagged Photos**
- ☒ a. Hard Copy
- ☒ b. Electronic Copy
- ☒ c. Plotted in the GIS Map
- 7. Certificate of No Overlapping**
- ☒ a. District Engineer
- ☐ b. Construction and Maintenance Division Chiefs
- 8. ROW Clearance**
- ☒ a. District Engineer
- ☒ b. LGU
- 9. Environmental Clearances**
- ☒ a. Not Within a "No Build Zone" (MGB)
- ☒ b. Tree Cutting Permit (if Applicable-EMB)
- ☒ c. CNC/ECC/EIA (EMB)
- ☒ **10. Social Clearance (not within a Declared Heritage/Cultural Site-NCCA)**
- ☒ **11. Certificate of Reasonableness (for Projects with Changes in Unit Cost)**
- 12. Project Details**
- ☒ a. POW
- ☒ b. DUPA
- c. Plans
- ☒ 1. Coverpage
- ☒ 2. Summary of Quantities
- ☒ 3. Cross Section Showing Changes (if Applicable)
- ☒ d. Materials Source Map
- ☒ **13. Certificate of Local Government Unit**

Checked by:


ERLINDA F. DOLIENTE
Engineer III
Chief, Planning Section

Modification Request Form

A.GENERAL							
1. REGION Cordillera Administrative Region		2. DEO Abra District Engineering Office		3. LEGISLATIVE DISTRICT Abra Lone District			
B. ORIGINAL PROJECT			C. PROPOSED REVISED PROJECT				
4. UACS(Unified Account Code Structure as defined in GAA) 300214100333000							
5. Project Id P00739550LZ							
6. Project Category Convergence and Special Support Program							
7. Sub-Program (P/A/P) Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239							
8.Operating Unit Central Office			18. Operating Unit (Change subject to DBM approval) Central Office				
9. Type of Work (Enter Details for all Components below)			19. Type of Work (Enter Details for all Components below)				
Component ID		Type of Work	Component ID		Type of Work		
CW1		Road Safety: Pavement markings	CW1		Road Safety: Guardrails		
CW2		Choose an item.	CW2		Road Safety: Roadway Lighting		
EAO		Choose an item.	EAO		Click here to enter text.		
10. PROJECT DESCRIPTION(as recorded in GAA) Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0416 + 400 - K0426 + 500			20. PROJECT DESCRIPTION (of the revised project) Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0416+938 - K0426+392				
11. ALLOTMENT (P'000)(as recorded in GAA) 100000			21. REVISED ESTIMATED COST(P'000)(Equal to, or lower than GAA allotment) 100000		22. CAF (To be obtained from Financial Management office) <input checked="" type="checkbox"/> YES		
12. PHYSICAL TARGET (Enter Details for all Components below)			23. PHYSICAL TARGET (Enter Details for all Components below)				
Component ID		Target	Target Unit	Component ID		Target	Target Unit
CW1		15.951	Lane Km	CW1		501	Meters (m)
CW2		Click here to enter text.	Choose an item.	CW2		212	Number of Units
EAO		Click here to enter text.	Choose an item.	EAO		Click here to enter text.	Choose an item.
13. UNIT COST (Enter Details for all Components below)			24. UNIT COST (Enter Details for all Components below)				
Component ID		Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID		Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1		96500	6049.77744	CW1		51772.62402	103.33858
CW2		Click here to enter text.	Click here to enter text.	CW2		44491.48016	209.86547
EAO		3500	Click here to enter text.	EAO		3491.44419	Click here to enter text.
Click here to enter text.		Click here to enter text.	Click here to enter text.	PHYSICAL RESERVED		244.45163	Click here to enter text.

Modification Request Form

Click here to enter text.		Click here to enter text.		Click here to enter text.		Click here to enter text.		Click here to enter text.		Click here to enter text.					
14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014) Click here to enter text.						25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A" for National Road projects under OO-1) Click here to enter text.									
Start X		120.649		End X		120.684		Start X		120.649		End X		120.684	
Start Y		17.653		End Y		17.670		Start Y		17.653		End Y		17.670	
15. ROAD CLASSIFICATION (if applicable) Choose an item.						26. ROAD CLASSIFICATION (if applicable) Choose an item.									
16. IMPLEMENTING OFFICE (Record the Implementing Office of the original project) Abra District Engineering Office						27. IMPLEMENTING OFFICE (Record the Implementing Office of the proposed revised project) Abra District Engineering Office									
17. PROJECT IMPLEMENTATION PLAN (PIP)						28. PROJECT IMPLEMENTATION PLAN (PIP)									
Planned Start Date			Planned End Date			Planned Start Date			Planned End Date						
November 3, 2023			May 30, 2024			November 3, 2023			May 30, 2024						
29. OVERLAP? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						30. UNDER WARRANTY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES									

D. ATTACHMENTS & JUSTIFICATIONS

31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A	
32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points) <ul style="list-style-type: none">Based on the conducted site validation and inspection, it was determined that additional safety measures are required to address specific concerns identified in the concerned road section. The presence of potential hazards and visibility challenges necessitates the inclusion of roller barriers and solar lights to ensure adequate safety for road users. By including road barriers and solar lights, the project aligns with established safety standards and regulations, ensuring the highest level of road safety for motorists and riding public.Considering the site validation findings, it is recommended that the project's Type of Work be modified into Item 637(2) - Double Roller Safety Barrier System with a quantity of 501 meters. The roller barriers do more than absorb impact energy. They convert the impact energy into rotational energy to propel the vehicle forward rather than potentially breaking through immovable guardrails. Retaining Items 612(1) - Reflectorized Thermoplastic Pavement Markings (white) and 612(2) - Reflectorized Thermoplastic Pavement Markings (yellow) with quantities of 4.5 sq.m. and 4.28 sq.m. respectively, ensure continued visibility, reduce the risk of accidents and promote safer driving conditions. These adjustments will significantly contribute to the overall safety and integrity of the road section, safeguarding the well-being of road users.CW-2 - Item 624(8) - Solar LED Street Lights with a quantity of 212 units (ea) is included in order to enhance road visibility/illuminate the road particularly at night.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.	

Modification Request Form

33. PHOTOS SUBMITTED

☐ NO ☒ YES

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

☐ NO ☒ YES

35. PREPARED BY:

Name:	MELISSA DELA EYRA	Position:	ENGINEER II
Office:	Abra District Engineering Office	Date:	Click here to enter a date.

36. REVIEWED BY DISTRICT OFFICE (If Required)

Name:	CHONA LUISA A. RAMOS
Position:	Chief, Planning and Design Section
Date:	

38. REVIEWED BY REGIONAL OFFICE

Name:	ANGELITA B. MABITAZAN
Position:	Chief, Planning and Design Division
Date:	5/27

37. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name:	JOSELITO T. ARAO
Position:	District Engineer
Date:	


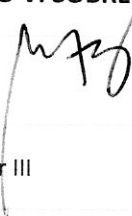


39. RECOMMENDED BY REGIONAL OFFICE

Name:	KHADAFY D. TANGGOL
Position:	Regional Director
Date:	

By the Authority of the Regional Director:


EMMANUEL W. DIAZ, CESE
Assistant Regional Director

Modification Request Form

UACS (Unified Account Code Structure as defined in GAA) 300214100333000 Project Id P00739550LZ				
40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS				
Primary Reason for Request (based on Category of Modification): (choose one)				
Category A	Category B	Category C	Category D	Impact
<input type="checkbox"/> Typographical error on Project Description	<input type="checkbox"/> Overlapping Sections <input type="checkbox"/> Change in Station Limits <input type="checkbox"/> Change in Physical Target	<input type="checkbox"/> No such Barangay <input type="checkbox"/> No such City or Municipality	<input type="checkbox"/> Change in (IO), requiring a change in the (OU)	<input type="checkbox"/> No change or decrease in unit cost <input type="checkbox"/> 20% or less increase in unit cost <input type="checkbox"/> > 20% increase in unit cost
Reviewed by Office of the Undersecretary for Operations				
Name:	Engr. MANUEL L. SINGSON		Engr. ANTONIO V. SOBREVINAS, JR.	
Signature				
Position:	Project Manager I		Project Manager III	
Date:	18/19/23		10/19/23	
41. DPWH PLANNING SERVICE				
Category of Modification (please check the appropriate)		<input type="checkbox"/> Category A – Typographical Error <input type="checkbox"/> Category B – Change in Station Limits <input type="checkbox"/> Category C – Change in Location, due to non-existing location <input type="checkbox"/> Category D – Change in Operating Unit (requires DBM approval) <input type="checkbox"/> Modification does not comply with DBM Categories		
Reviewed by Planning Service				
Name:	ANNA ANDREA M. NOCHE		Name:	PETER PAUL R. CORTEZ
Signature			Signature:	
Position:	CAR- Regional Coordinator		Position:	Chief of Programming Division
Date:	10/23/2023		Date:	



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			Project Description		
UACS No.: 300214100333000 Project ID: P00739550LZ 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 - K0416 + 400 - K0426 + 500			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 - K0416 + 938 - K0426 + 392		
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- Road Safety: Guardrails / 501 meters	₱ 103,338.57/ meter	₱ 51,772,624.02
			CW2- Road Safety: Roadway Lighting / 212 units	₱ 209,865.47/ Number of unit	₱ 44,491,480.16
EAO	-	₱ 3,500,000.00	EAO		₱ 3,491,444.19
			Excess: ₱ 244,451.63		
Total:		₱ 100,000,000.00	Total:		₱ 100,000,000.00

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 concerned road section. The presence of potential hazards and visibility challenges necessitates the inclusion of roller barriers and solar lights to ensure adequate safety for road users. By including road barriers and solar lights, the project aligns with established safety standards and regulations, ensuring the highest level of road safety for motorists and riding public.
- Considering the site validation findings, it is recommended that the project's Type of Work be modified into Item 637(2) - Double Roller Safety Barrier System with a quantity of 501 meters. The roller barriers do more than absorb impact energy. They convert the impact energy into rotational energy to propel the vehicle forward rather than potentially breaking through immovable guardrails. Retaining Items 612(1) - Reflectorized Thermoplastic Pavement Markings (white) and 612(2) - Reflectorized Thermoplastic Pavement Markings (yellow) with quantities of 4.5 sq.m. and 4.28 sq.m. respectively, ensure continued visibility, reduce the risk of accidents and promote safer driving conditions. These adjustments will significantly contribute to the overall safety and integrity of the road section, safeguarding the well-being of road users.
- CW-2 - Item 624(8) - Solar LED Street Lights with a quantity of 212 units (ea) is included in order to enhance road visibility/illuminate the road particularly at night.
- 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.

AC - CO - 2023/0 - 01800

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

