



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

April 26, 2023

**MEMORANDUM**

**TO :** **KHADAFFY D. TANGGOL**  
Regional Director  
DPWH-CAR  
Engineer's Hill, Baguio City

**ATTENTION :** **ALBERTO N. GAHID**  
District Engineer  
Mountain Province First District Engineering Office  
Bontoc, Mountain Province

Transmitted herewith is the **APPROVED** request for the **modification** of hereunder stated project:

1. OO1: Ensure Safe and Reliable National Road System -Network Development - Off-Carriageway Improvement - Secondary Roads Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0408 + 891 - K0408 + 959 - - - **P6,886,000.00**

Please be reminded that all approved modifications **shall be posted in the DPWH website within five (5) days** from its approval. Failure to comply with this requirement shall be dealt with accordingly.

**ADOR G. CANLAS**

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

2.3 mksa/AVS/AGC/ERP







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

March 31, 2023

**MEMORANDUM**

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

This refers to the memorandum dated 29 March 2023 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of **District Engineer ALBERTO N. GAHID, Mountain Province First 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. 310208100515000 Project ID: P007122841Z  OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads  Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0409 + 891 - K0409 + 959			OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads  Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0408 + 891 - K0408 + 959		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Off-Carriageway Improvement: Paving of Shoulders/ 709.00 sq.m.	₱ 9,518.03/ sq.m.	₱ 6,748,280.00	CW1- Off-Carriageway Improvement: Paving of Shoulders/ 424.55 sq.m.	₱ 9,362.97/ sq.m.	₱ 3,975,049.45
			CW2- Construction of Road Slope Protection Structure/ 950.00 sq.m.	₱ 2,919.19/ sq.m.	₱ 2,773,230.55
EAO	-	₱ 137,720.00	EAO	-	₱ 137,720.00
Total:		₱ 6,886,000.00	Total:		₱ 6,886,000.00

**Justification:**

The project has to be modified in view of the following:

- Correction in the project station limit from "K0409 + 891 - K0409 + 959" to "K0408 + 891 - K0408 + 959" due to typographical error incurred during the preparation of FY 2023 Budget Proposal.
- The decrease in physical target/increase in the unit cost is due to the massive excavation on the sharp curve part of the road to attain the desired width for the shoulder to improve the sight distance of the motorists. Thus, CW2- Construction of Road Slope Protection structures (Masonry Breastwalls) are also given priority to stabilize the soil on this excavated part of the road.
- The derived unit cost is based on validated/approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW).

Attached are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), BP 202, Geotagged photos, GIS Map, Certificate of Reasonableness of Cost Estimates and Certification of No overlapping (Certified by the District Engineer, Construction and Maintenance Division Chief).

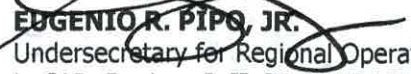
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.

  
**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. PIPO, 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/MLS/AVS/AGC/ERP

Department of Public Works and Highways  
Office of the Secretary



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Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**CORDILLERA ADMINISTRATIVE REGION**  
Engineer's Hill, Baguio City

March 29, 2023

**MEMORANDUM**

**FOR : MANUEL M. BONOAN**  
Secretary

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

**SUBJECT : Request for Modification of the Project: 001: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads - Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0409 + 891 - K0409 + 959**

We are respectfully forwarding the Memorandum dated March 28, 2023 from District Engineer Alberto N. Gahid, Mountain Province First District Engineering Office, regarding the modification of the above project in the amount of **Six Million Eight Hundred Eighty-Six Thousand Pesos (Php 6,886,000.00)**, as indicated below:

	FROM	TO
Project ID	P00712284LZ	
Project Title	Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, <b>K0409 + 891 - K0409 + 959</b>	Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, <b>K0408 + 891 - K0408 + 959</b>
Type of Work	CW1 - Off-Carriageway Improvement: Paving of Shoulders	CW1 - Off-Carriageway Improvement: Paving of Shoulders <b>CW2 - Construction of Road Slope Protection Structure</b>
Physical Target	CW1: <b>709</b> Square Meters	CW1: <b>424.550</b> Square Meters <b>CW2: 950 Square Meters</b>

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

For the consideration of the Secretary.

  
**KHADAFY D. TANGGOL**  
Regional Director

CAR.1 MGB/EFD/JWC/ABM





Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**MOUNTAIN PROVINCE FIRST**  
**DISTRICT ENGINEERING OFFICE**  
CORDILLERA ADMINISTRATIVE REGION  
Bontoc, Mountain Province

March 28, 2023

**MEMORANDUM**

**FOR : KHADAFFY D. TANGGOL**  
Regional Director  
DPWH-CAR

**ATTENTION : ANGELITA B. MABITAZAN**  
Chief, Planning and Design Division

**SUBJECT : Submission of Requirements for FY 2023 Modification of the project under Network Development - Off-Carriageway Improvement - Secondary Roads – Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0408 + 891 - K0408 + 959**

We are submitting the requirements for the modification of the FY 2023 project "**Network Development - Off-Carriageway Improvement - Secondary Roads – Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0408 + 891 - K0408 + 959**" for your endorsement.

As per GAA/Original			As Modified		
Project Description					
UACS No. 310208100515000 Project ID: P00712284LZ					
OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads			OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads		
Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0409 + 891 - K0409 + 959			Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, <b>K0408 + 891 - K0408 + 959</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Off-Carriageway Improvement: Paving of Shoulders/ 709.00 sq.m.	₱ 9,518.03/ sq.m.	₱ 6,748,280.00	CW1- Off-Carriageway Improvement: Paving of Shoulders/ 424.55 sq.m.	₱ 9,362.97/ sq.m.	₱ 3,975,049.45
			CW2- Construction of Road Slope Protection Structure/ 950.00 sq.m.	₱ 2,919.19/ sq.m.	₱ 2,773,230.55
EAO	–	₱ 137,720.00	EAO	–	₱ 137,720.00
Total:		₱ 6,886,000.00	Total:		₱ 6,886,000.00

**ALBERTO N. GAHID**  
District Engineer

CAR 18.1 JSA/ACG/ECT/ANG

## Tables for Modification Request Form

A. GENERAL					
<b>1. REGION</b> Cordillera Administrative Region		<b>2. DEO</b> Mountain Province First District Engineering Office		<b>3. LEGISLATIVE DISTRICT</b> MOUNTAIN PROVINCE (LONE DISTRICT)	
B. ORIGINAL PROJECT			C. PROPOSED REVISED PROJECT		
<b>4. UACS</b> (Unified Account Code Structure as defined in GAA) 310208100515000					
<b>5. Project Id</b> P00712284LZ					
<b>6. Project Category</b> OO1: Ensure Safe and Reliable National Road System					
<b>7. Sub-Program (P/A/P)</b> Network Development - Off-Carriageway Improvement - Secondary Roads					
<b>8. Operating Unit</b> Mountain Province First District Engineering Office			<b>18. Operating Unit</b> (Change subject to DBM approval) Mountain Province First District Engineering Office		
<b>9. Type of Work</b> (Enter Details for all Components below)			<b>19. Type of Work</b> (Enter Details for all Components below)		
Component ID	Type of Work		Component ID	Type of Work	
CW1	Off-Carriageway Improvement: Paving of Shoulders		CW1	Off-Carriageway Improvement: Paving of Shoulders	
			<b>CW2</b>	<b>Construction of Road Slope Protection Structure</b>	
<b>10. PROJECT DESCRIPTION</b> (as recorded in GAA) Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, K0409 + 891 - K0409 + 959			<b>20. PROJECT DESCRIPTION</b> (of the revised project) Mt Prov-Ilocos Sur via Tue Rd - K0402 + 474 - K0402 + 510, K0406 + 046 - K0406 + 170, K0408 + 237 - K0408 + 331, <b>K0408 + 891 - K0408 + 959</b>		
<b>11. ALLOTMENT (P'000)</b> (as recorded in GAA) 6,886			<b>21. REVISED ESTIMATED COST (P'000)</b> (Equal to, or lower than GAA allotment) 6,886		<b>22. CAF</b> (To be obtained from Financial Management office) <input checked="" type="checkbox"/> YES
<b>12. PHYSICAL TARGET</b> (Enter Details for all Components below)			<b>23. PHYSICAL TARGET</b> (Enter Details for all Components below)		
Component ID	Target	Target Unit	Component ID	Target	Target Unit
CW1	709.000 ✓	Square Meters (m2)	CW1	424.55 ✓	Square Meters (m2)
			<b>CW2</b>	950.00 ✓	<b>Square Meters (m2)</b>
<b>13. UNIT COST</b> (Enter Details for all Components below)			<b>24. UNIT COST</b> (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	6,748.280 ✓	9.518 ✓	CW1	3,975.049 ✓	9.363 ✓
			<b>CW2</b>	2,773.231 ✓	2.919 ✓
EAO	137.720		EAO	137.720	



## Tables for Modification Request Form

<b>14. PROJECT WORK LOCATION</b> (Must be defined in strict accordance with DO 65 Series 2014)				<b>25. PROJECT WORK LOCATION</b> (Must be defined in strict accordance with DO 65 Series 2014. <b>Also complete "ANNEX A" for National Road projects under OO-1)</b>			
Start X		End X		Start X		End X	
Start Y		End Y		Start Y		End Y	
<b>15. ROAD CLASSIFICATION</b> (if applicable) Secondary Road				<b>26. ROAD CLASSIFICATION</b> (if applicable) Secondary Road			
<b>16. IMPLEMENTING OFFICE</b> (Record the Implementing Office of the original project) Mountain Province First District Engineering Office				<b>27. IMPLEMENTING OFFICE</b> (Record the Implementing Office of the proposed revised project) Mountain Province First District Engineering Office			
<b>17. PROJECT IMPLEMENTATION PLAN (PIP)</b>				<b>28. PROJECT IMPLEMENTATION PLAN (PIP)</b>			
Planned Start Date		Planned End Date		Planned Start Date		Planned End Date	
05/8/2023		08/11/2023		05/8/2023		08/11/2023	
				<b>29. OVERLAP?</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		<b>30. UNDER WARRANTY?</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	

### D. ATTACHMENTS & JUSTIFICATIONS

#### 31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects)

☒ NO    ☐ YES    ☐ N/A

#### 32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points)

*Change in Station Limits in the Project Description and Decrease in physical target for CW1 - Off-Carriageway Improvement: Paving of Shoulders from 709 Square Meters to 424.55 Square Meters and additional component CW2 - Construction of Road Slope Protection Structure due to the following:*

- *Correction in the project station limit from "K0409 + 891 - K0409 + 959" to "K0408 + 891 - K0408 + 959" due to typographical error incurred during the preparation of FY 2023 Budget Proposal.*
- *The decrease in physical target/increase in the unit cost is due to the massive excavation on the sharp curve part of the road to attain the desired width for the shoulder to improve the sight distance of the motorists. Thus, CW2- Construction of Road Slope Protection structures (Masonry Breastwalls) were also given priority to stabilize the soil on this excavated part of the road.*
- *The derived unit cost is based on validated/approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW).*

*Attached are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), BP 202, Geotagged photos, Certificate of Reasonableness of Cost Estimates and GIS Map.*

#### 33. PHOTOS SUBMITTED







☐ NO    ☒ YES

#### 34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

☐ NO    ☒ YES



## Tables for Modification Request Form

35. PREPARED BY:			
Name:	 JULIE S. AMRANGEB	Position:	Engineer II
Office:	Planning and Design Section	Date:	
36. REVIEWED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE	
Name:	 ARTEMIO C. GUISALA	Name:	 ANGELITA B. MABITAZAN
Position:	Chief, Planning and Design Section	Position:	 Chief, Planning and Design Division
Date:		Date:	
37. RECOMMENDED BY DISTRICT OFFICE (If Required)		39. RECOMMENDED BY REGIONAL OFFICE	
Name:	 ALBERTO N. CAHID	Name:	 KHADAFFY D. TANGGOL
Position:	District Engineer	Position:	Regional Director
Date:		Date:	

## Tables for Modification Request Form

**UACS** (Unified Account Code Structure as defined in GAA)

310208100515000

**Project Id**

P00712284LZ

### 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 checked="" type="checkbox"/> Change in Station Limits <input checked="" 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

<b>Name:</b>	Engr. MANUEL L. SINGSON	<b>Name:</b>	Engr. ANTONIO V. SOBREVINAS, JR.
<b>Signature</b>		<b>Signature</b>	
<b>Position:</b>	Project Manager I	<b>Position:</b>	Project Manager II
<b>Date:</b>	3/31/23	<b>Date:</b>	3/31/23

### 41. DPWH PLANNING SERVICE

<b>Category of Modification</b> (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
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Reviewed by Planning Service

<b>Name:</b>	ANNA ANDREA M. NOCHE	<b>Name:</b>	PETER PAUL R. CORTEZ
<b>Signature</b>		<b>Signature:</b>	
<b>Position:</b>	Regional Coordinator	<b>Position:</b>	OIC - Chief of Programming Division
<b>Date:</b>	04-05-23	<b>Date:</b>	



### ANNEX A: Project Work Location Details for National Roads

Component ID	Section ID	Start Limit LRP + Disp	End Limit LRP + Disp	Start Chainage	End Chainage	Length (m)	Type of Work	Detail Scope of Work	Target Unit	Physical Target
P00712284LZ - CW1	S00530LZ	K0402 + 474	K0402 + 510	15472	15508	36	Off-Carriageway Improvement: Paving of Shoulders	Paving of Shoulders (L/S) including Roadway Excavation	Square Meters	118.50
P00712284LZ - CW2	S00530LZ	K0402 + 474	K0402 + 510	15472	15508	36	Construction of Road Slope Protection Structure	Construction of Road Slope Protection Structure (Masonry Breastwall)	Square Meters	192.00
P00712284LZ - CW1	S00530LZ	K0406 + 046	K0406 + 170	19011	19135	124	Off-Carriageway Improvement: Paving of Shoulders	Paving of Shoulders (L/S) including Roadway Excavation	Square Meters	145.75
P00712284LZ - CW2	S00530LZ	K0406 + 046	K0406 + 170	19011	19135	124	Construction of Road Slope Protection Structure	Construction of Road Slope Protection Structure (Masonry Breastwall)	Square Meters	364.00
P00712284LZ - CW1	S00530LZ	K0408 + 237	K0408 + 331	21249	21343	94	Off-Carriageway Improvement: Paving of Shoulders	Paving of Shoulders (L/S) including Roadway Excavation	Square Meters	96.30
P00712284LZ - CW2	S00530LZ	K0408 + 237	K0408 + 331	21249	21343	94	Construction of Road Slope Protection Structure	Construction of Road Slope Protection Structure (Masonry Breastwall)	Square Meters	277.00
P00712284LZ - CW1	S00530LZ	K0408 + 891	K0408 + 959	21903	21971	68	Off-Carriageway Improvement: Paving of Shoulders	Paving of Shoulders (L/S) including Roadway Excavation	Square Meters	64.00
P00712284LZ - CW2	S00530LZ	K0408 + 891	K0408 + 959	21903	21971	68	Construction of Road Slope Protection Structure	Construction of Road Slope Protection Structure (Masonry Breastwall)	Square Meters	117.00