



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

April 25, 2023

**MEMORANDUM**

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

**ATTENTION :** **REX K. OYA-OY**  
OIC-District Engineer  
Benguet Second District Engineering Office  
Natubleng, Buguias, Benguet

Transmitted herewith are the **APPROVED** requests for the **modification** of hereunder stated projects:

1. Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - **K0318+396**, K0320+345 - K0320+410 - - - **P 35,074,000.00**
2. Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads Gov. Bado Dangwa National Rd - K0342+490 - K0342+505, **K0348+434 - K0348+530 - - - P8,000,000.00**
3. Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads Gov Bado Dangwa National Road - **K0287+070 - K0287+130**, Kapangan, Benguet - - - **P50,000,000.00**

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

### Programming Division Evaluation Sheet

Name of Project:

Project ID: **P00715126LZ**

Gov Bado Dangwa National Road - K0286+740 - K0286+840, Kapangan, Benguet

Appropriation: **50,000,000**Implementing Office: **Benguet 2nd District Engineering Office**Date: **04/12/2023****A. TYPE OF REQUEST****A.1** ☐ **Change in Implementing Office/Operating Unit due to**A.1.1 ☐ Geographical JurisdictionA.1.2 ☐ Approval of Authority to Bid/Implement**A.2** ☒ **PROJECT MODIFICATION/ADJUSTMENTS**A.2.1 ☐ Typographical Error/sA.2.2 ☐ Change in Location (for non-existent locations only)A.2.3 ☒ Change in Station LimitsA.2.4 ☐ Addition/Deletion of Word/sA.2.5 ☒ Change in Project Component/s DetailsA.2.5.1 ☒ Change in TargetsA.2.5.2 ☐ Change in Scope of Work from \_\_\_\_\_ to \_\_\_\_\_A.2.5.3 ☐ Change in Component AmountA.2.5.4 ☐ Addition of Component (incl. EXC Component)A.2.5.5 ☐ Deletion of ComponentA.2.5.6 ☐ Movement of Funds between Components**B. EVALUATION**B.1 ☒ ALLOWED as per the GAA ProvisionsB.2 ☐ NOT ALLOWED as per the GAA Provisions**C. FUND SOURCE FY 2023 GAA, R.A. 11936**C.1 ☒ for issuance of SARO (☐ Released ☒ Unreleased)Amount: **50,000,000**C.2 ☐ released thru GAAAO**D. IMPACT:**

D.1 Condition/s: \_\_\_\_\_ % decrease in unit cost  
 \_\_\_\_\_ 24.15 % increase in unit cost  
 \_\_\_\_\_ 19.45 % decrease in physical target  
 \_\_\_\_\_ % increase in physical target

D.2 ☐ Additional Project ComponentD.3 ☒ Certificate of Cost Reasonableness by RD

D.4 Remarks:

**E. Approving Authority as per D.O. 13, s. 2023, Guidelines on Modification of Allotment under the GAA**E.1 ☐ Undersecretary for OperationsE.2 ☒ Secretary

Evaluated By:

ALEX G. BOTE

Director, Planning Service

Noted By:

 CONSTANTE A. LLANES, JR., CESO III  
 Assistant Secretary, Planning Service

ACTION SLIP

Project ID: **P00715126LZ**

Date: \_\_\_\_\_

FOR SECRETARY MANUEL M. BONOAN OR \_\_\_\_\_

REMARKS:

☒ Reviewed by Planning Service  
☐ Recommended for Approval  
☐ Remarks: \_\_\_\_\_

 MARIA CATALINA E. CABRAL, CESO I, Ph.D.  
 Undersecretary for Planning and PPP Services



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

April 3, 2023

**MEMORANDUM**

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

This refers to the memorandum dated March 31, 2023 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of **OIC-District Engineer REX K. OYA-OY, Benguet Second District Engineering Office**, for the **modification** of the project under FY 2023 General Appropriations Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No.: 310108101479000</b> <b>Project ID.: P00715126LZ</b>					
Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads			Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads		
Gov Bado Dangwa National Road - K0286+740 - K0286+840, Kapangan, Benguet			Gov Bado Dangwa National Road - <b>K0287+070 - K0287+130</b> , Kapangan, Benguet		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure / 2,777.78 sq.m.	₱ 17,639.99/ sq.m.	₱ 49,000,000.00	CW1 – Construction of Road Slope Protection Structure / <b>2,237.5</b> sq.m.	₱ <b>21,899.44</b> / sq.m.	₱ 49,000,000.00
EAO	–	₱ 1,000,000.00	EAO	–	₱ 1,000,000.00
Total:		₱ 50,000,000.00	Total:		₱ 50,000,000.00

**Justification:**

*Use of rockfall netting per POW*  
Change in station limits and decrease in physical target for CW1 – Construction of Road Slope Protection Structure from 2,777.78 square meters to 2,237.5 square meters due to the following:

- The change in station limits was deemed essential since upon coordination with the Regional Office, it was noted that their FY2023 project with the project ID, P00714214LZ extended backward from the original station K0286+840 resulting an overlap with this project. Thus, a similarly critical section was identified which requires immediate intervention.
- Unit costs for CW1 increased due to the necessity to (1) construct another road slope protection structure along the road in order to provide additional protection at the toe of the slope to be protected, and (2) incorporate drainage works in order to properly divert surface run-off away from the road. It resulted to the decrease in physical target.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA)
- See attached **Certificate of Reasonableness of Estimates** signed by the Regional Director

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Certificate of Reasonableness of Unit Cost, and RSM Annexes.

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

Department of Public Works and Highways  
Office of the Secretary



WIN3E02788

2.3 mksa/MLS/AVS/AGC/ERP



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

March 31, 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: OO1: Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads - Gov Bado Dangwa National Road - K0286+740 - K0286+840, Kapangan, Benguet**

We are respectfully forwarding the Memorandum dated March 31, 2023 from OIC-District Engineer Rex K. Oya-oy, Benguet Second District Engineering Office, regarding the modification of the above project in the amount of **Fifty Million Pesos (Php 50,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00715126LZ	
Project Title	Gov Bado Dangwa National Road - <b>K0286+740 - K0286+840</b> , Kapangan, Benguet	Gov Bado Dangwa National Road - <b>K0287+070 - K0287+130</b> , Kapangan, Benguet
Physical Target	<b>2,777.78</b> Square Meters	<b>2,237.5</b> Square Meters
Allocation	Php 50,000,000	Php 50,000,000

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 DLBC/EFD/JWC/ABM*



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**BENGUET SECOND**  
**DISTRICT ENGINEERING OFFICE**  
CORDILLERA ADMINISTRATIVE REGION  
Natubleng, Buguias, Benguet

March 30, 2023

**MEMORANDUM**

**FOR : KHADAFFY D. TANGGOL**  
Regional Director

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

**SUBJECT : Submission of Requirements for FY 2023 Modification of the project, Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads - Gov Bado Dangwa National Road - K0286+740 - K0286+840, Kapangan, Benguet**

Respectfully submitting the requirements for the modification of the FY 2023 project: "Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads - Gov Bado Dangwa National Road - K0286+740 - K0286+840, Kapangan, Benguet" for your endorsement.

FROM		TO	
<b>Project Description:</b>			
<b>UACS No.: 310108101479000</b>			
<b>Project ID.: P00715126LZ</b>			
Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads		Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads	
Gov Bado Dangwa National Road - <b>K0286+740 - K0286+840</b> , Kapangan, Benguet		Gov Bado Dangwa National Road - <b>K0287+070 - K0287+130</b> , Kapangan, Benguet	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Road Slope Protection Structure		CW-1: Construction of Road Slope Protection Structure	
<b>2777.78</b> square meter	49,000,000.00	<b>2237.5</b> square meter	49,000,000.00
EAO (2%)	1,000,000.00	EAO (2%)	1,000,000.00
<b>Total:</b>	50,000,000.00	<b>Total:</b>	50,000,000.00

For your review.

  
**REX K. OYA-OY**  
OIC - District Engineer

CAR 17.1 VBC/MBB/RKO

## Tables for Modification Request Form

### A. GENERAL

**1. REGION**

Cordillera Administrative Region

**2. DEO**

Benguet Second District Engineering Office

**3. LEGISLATIVE DISTRICT**

BENGUET (LONE DISTRICT)

### B. ORIGINAL PROJECT

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

310108101479000

**5. Project Id**

P00715126LZ

**6. Project Category**

OO1: Ensure Safe and Reliable National Road System

**7. Sub-Program (P/A/P)**

Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads

**8. Operating Unit**

Benguet 2nd District Engineering Office

**9. Type of Work** (Enter Details for all Components below)

Component ID	Type of Work
CW1	Construction of Road Slope Protection Structure

**10. PROJECT DESCRIPTION** (as recorded in GAA)

Gov Bado Dangwa National Road - **K0286+740** - **K0286+840**, Kapangan, Benguet

**11. ALLOTMENT (P'000)** (as recorded in GAA)

50,000

**12. PHYSICAL TARGET** (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	<b>2,777.78</b>	Square Meters (m2)

**13. UNIT COST** (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	49,000.000 ✓	17.63999 ✓
EA0	1,000.000 ✓	

**14. PROJECT WORK LOCATION** (Must be defined in strict accordance with DO 65 Series 2014)

Start X                      End X  
Start Y                      End Y

**15. ROAD CLASSIFICATION** (if applicable)

Secondary Road

**16. IMPLEMENTING OFFICE** (Record the Implementing Office of the original project)

Benguet 2nd District Engineering Office

### C. PROPOSED REVISED PROJECT

**18. Operating Unit** (Change subject to DBM approval)

Benguet 2nd District Engineering Office

**19. Type of Work** (Enter Details for all Components below)

Component ID	Type of Work
CW1	Construction of Road Slope Protection Structure

**20. PROJECT DESCRIPTION** (of the revised project)

Gov Bado Dangwa National Road - **K0287+070** - **K0287+130**, Kapangan, Benguet

**21. REVISED ESTIMATED COST (P'000)** (Equal to, or lower than GAA allotment)

50,000

**22. CAF** (To be obtained from Financial Management office)

☒ YES

**23. PHYSICAL TARGET** (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	<b>2,237.5</b> ✓	Square Meters (m2)

**24. UNIT COST** (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	49,000.000 ✓	<b>21.89944</b> ✓
EA0	1,000.000 ✓	

**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**)

Start X                      End X  
Start Y                      End Y

**26. ROAD CLASSIFICATION** (if applicable)

Secondary Road

**27. IMPLEMENTING OFFICE** (Record the Implementing Office of the proposed revised project)

Benguet 2nd District Engineering Office

## Tables for Modification Request Form

17. PROJECT IMPLEMENTATION PLAN (PIP)		28. PROJECT IMPLEMENTATION PLAN (PIP)	
Planned Start Date	Planned End Date	Planned Start Date	Planned End Date
05/21/2023	10/11/2023	05/21/2023	10/11/2023
		29. OVERLAP?	30. UNDER WARRANTY?
		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES

### D. ATTACHMENTS & JUSTIFICATIONS

<b>31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects)</b> <input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A	
<b>32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points)</b> Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 2,777.78 square meters to 2,237.5 square meters due to the following: <ul style="list-style-type: none"> <li>The change in station limits was deemed essential since upon coordination with the Regional Office, it was noted that their FY2023 project with the project ID, P00714214LZ extended backward from the original station K0286+840 resulting an overlap with this project. Thus, a similarly critical section was identified which requires immediate intervention.</li> <li>Unit costs for CW1 increased due to the necessity to (1) construct another road slope protection structure along the road in order to provide additional protection at the toe of the slope to be protected, and (2) incorporate drainage works in order to properly divert surface run-off away from the road. It resulted to the decrease in physical target.</li> <li>The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA)</li> <li>See attached Certificate of Reasonableness of Estimates approved by the Regional Director</li> </ul> <p>Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Certificate of Reasonableness of Unit Cost, and RSM Annexes.</p>	
<b>33. PHOTOS SUBMITTED</b> <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	
<b>34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED</b> <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	

## Tables for Modification Request Form

### 35. PREPARED BY:

<b>Name:</b>	 VANESSA B. CHAN	<b>Position:</b>	Engineer II
<b>Office:</b>	Benguet 2nd District Engineering Office	<b>Date:</b>	

### 36. REVIEWED BY DISTRICT OFFICE (If Required)

<b>Name:</b>	 MARJORY B. BANAo	<b>Position:</b>	OIC - Chief, Planning and Design Section
<b>Date:</b>		<b>Date:</b>	

### 38. REVIEWED BY REGIONAL OFFICE

<b>Name:</b>	 ANGELITA B. MABITAZAN	<b>Position:</b>	Chief, Planning and Design Division
<b>Date:</b>		<b>Date:</b>	

### 37. RECOMMENDED BY DISTRICT OFFICE (If Required)

<b>Name:</b>	 REX L. OYA OY	<b>Position:</b>	OIC - District Engineer
<b>Date:</b>		<b>Date:</b>	

### 39. RECOMMENDED BY REGIONAL OFFICE

<b>Name:</b>	 KHADAFFY D. TANGGOL	<b>Position:</b>	Regional Director
<b>Date:</b>		<b>Date:</b>	

## Tables for Modification Request Form

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

310108101479000

**Project Id**

P00715126LZ

### 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	Engr. ANTONIO V. SOBREVÍÑAS, JR.
<b>Signature</b>		
<b>Position:</b>	Project Manager I	Project Manager II
<b>Date:</b>	4/3/23	4/3/23

### 41. DPWH PLANNING SERVICE

<b>Category of Modification</b> (please check the appropriate)	<input type="checkbox"/> Category A – Typographical Error <input checked="" 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>	04-12-23	<b>Date:</b>	

