



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

April 20, 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 - Tertiary Roads Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890 - - - **P6,000,000.00**
2. Convergence and Special Support Program - Basic Infrastructure Program (BIP) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities Construction/Opening of Community Access Road from Pidpid, Alilem, Ilocos Sur, Sinacbat, Bakun, Benguet - - - **P5,000,000.00**

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.


REY PETER B. GILLE, D.M.

OIC-Assistant Secretary for Technical Services
and Information Management Service, and
OIC – Office of Assistant Secretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

4/6/19-DIC

11/297
CAR-120

Programming Division Evaluation Sheet

Name of Project:

Project ID: **P00713143LZ**

Gov. Bado Dangwa National Rd - K0293 + 930 - K0293 + 990, K0297 + 840 - K0297 + 890

Appropriation: **6,000,000**Implementing Office: **Benguet 2nd District Engineering Office**Date: **04/13/2023**

A. TYPE OF REQUEST

A.1 ☐ Change in Implementing Office/Operating Unit due to

- A.1.1 ☐ Geographical Jurisdiction
A.1.2 ☐ Approval of Authority to Bid/Implement

A.2 ☒ PROJECT MODIFICATION/ADJUSTMENTS

- A.2.1 ☐ Typographical Error/s
A.2.2 ☐ Change in Location (for non-existent locations only)
A.2.3 ☐ Change in Station Limits
A.2.4 ☐ Addition/Deletion of Word/s
A.2.5 ☒ Change in Project Component/s Details
 A.2.5.1 ☒ Change in Targets
 Change in Scope of Work from _____ to _____
3 A.2.5.3 ☐ Change in Component Amount
 A.2.5.4 ☐ Addition of Component (incl. EXC Component)
 A.2.5.5 ☐ Deletion of Component
 A.2.5.6 ☐ Movement of Funds between Components

B. EVALUATION

- B.1 ☒ ALLOWED as per the GAA Provisions
B.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)
C.2 ☒ released thru GAAAO

Amount: **6,000,000**

D. IMPACT:

- D.1 Condition/s: 18.59 % decrease in unit cost
 - % increase in unit cost
 - % decrease in physical target
 22.84 % increase in physical target

- D.2 ☐ Additional Project Component
D.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 Operations
E.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:

P00713143LZ

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

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					
UACS No.: 310109101272000 Project ID.: P00713143LZ 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 - K0293+930 - K0293+990, K0297+840 - K0297+890			 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 - K0293+930 - K0293+990, K0297+840 - K0297+890		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure / 440 sq.m.	₱ 13,363.64/ sq.m.	₱ 5,880,000.00	CW1 – Construction of Road Slope Protection Structure / 540.5 sq.m.	₱ 10,878.82/ sq.m.	₱ 5,880,000.00
EAO	–	₱ 120,000.00	EAO	–	₱ 120,000.00
Total:		₱ 6,000,000.00	Total:		₱ 6,000,000.00

Justification:

Increase in physical target for CW1 - Construction of Road Slope Protection Structure from 440 square meters to 540.5 square meters due to the following:

- Unit costs for CW1 decreased since upon study it was noted that using gabion and stone masonry structures can also mitigate the slope failure and at an economical price, resulting to the increase in physical target thus, it was opted to change the design of the proposed structure from retaining wall to gabion and stone masonry.
- Furthermore, the physical target increased due to the need to also provide slope protection structures along the sections that were proposed for the construction of shoulders which is necessary to provide lay-by/dropping area at identified strategic locations.
- 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 PPP Services

APPROVED/~~DISAPPROVED~~


EUGENIO R. PIPO, JR.

Undersecretary for Regional Operations
In CAR, Regions I, II, IX, X, XI, XII and XIII



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 - Tertiary Roads - Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890

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 **Six Million Pesos (Php 6,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00713143LZ	
Project Title	Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890	Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890
Physical Target	440 Square Meters	540.5 Square Meters
Allocation	Php 6,000,000	Php 6,000,000

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
Natublung, Buguias, Benguet

March 31, 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 - Tertiary Roads - Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890

Respectfully submitting the requirements for the modification of the FY 2023 project: "Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 310109101272000			
Project ID.: P00713143LZ			
Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads		Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads	
Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890		Gov. Bado Dangwa National Rd - K0293+930 - K0293+990, K0297+840 - K0297+890	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Road Slope Protection Structure		CW-1: Construction of Road Slope Protection Structure	
440 square meter	5,880,000.00	540.5 square meter	5,880,000.00
EAO (2%)	120,000.00	EAO (2%)	120,000.00
Total:	6,000,000.00	Total:	6,000,000.00

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	2. DEO	3. LEGISLATIVE DISTRICT
Cordillera Administrative Region	Benguet Second District Engineering Office	BENGUET (LONE DISTRICT)

B. ORIGINAL PROJECT

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

310109101272000

5. Project Id

P00713143LZ

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 - Tertiary 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 Rd - K0293+930 - K0293+990, K0297+840 - K0297+890

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

6,000

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

Component ID	Target	Target Unit
CW1	440	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	5,880.000 ✓	13.36364 ✓
EAO	120.000 ✓	

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)

Tertiary 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 Rd - K0293+930 - K0293+990, K0297+840 - K0297+890

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

6,000 ✓

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	540.5 ✓	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	5,880.000 ✓	10.87882 ✓
EAO	120.000 ✓	

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)

Tertiary 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	9/10/2023	05/21/2023	9/10/2023
		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

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)

Increase in physical target for CW1 - Construction of Road Slope Protection Structure from 440 square meters to 540.5 square meters due to the following:

- Unit costs for CW1 decreased since upon study it was noted that using gabion and stone masonry structures can also mitigate the slope failure and at an economical price, resulting to the increase in physical target thus, it was opted to change the design of the proposed structure from retaining wall to gabion and stone masonry.*
- Furthermore, the physical target increased due to the need to also provide slope protection structures along the sections that were proposed for the construction of shoulders which is necessary to provide lay-by/dropping area at identified strategic locations.*
- 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 approved 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.


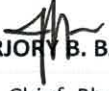

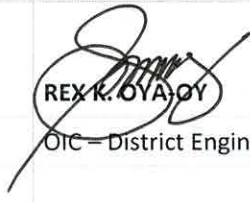

33. PHOTOS SUBMITTED

☐ NO ☒ YES

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

☐ NO ☒ YES

Tables for Modification Request Form

35. PREPARED BY:			
Name:	 VANESSA B. CHAN	Position:	Engineer II
Office:	Benguet 2nd District Engineering Office	Date:	
36. REVIEWED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE	
Name:	 MARJORY B. BANA O	Name:	 ANGELITA B. MABITAZAN
Position:	OIC - 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:	 REX R. OYA OY	Name:	 KHADAFFY D. TANGGOL
Position:	OIC – District Engineer	Position:	Regional Director
Date:		Date:	

Tables for Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

310109101272000

Project Id

P00713143LZ

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	Name:	Engr. ANTONIO V. SOBREVÍÑAS, JR.
Signature		Signature	
Position:	Project Manager I	Position:	Project Manager II
Date:	4/3/23	Date:	4/3/23

41. DPWH PLANNING SERVICE

Category of Modification
(please check the appropriate)

- ☐ Category A – Typographical Error
- ☐ Category B – Change in Station Limits
- ☐ Category C – Change in Location, due to non-existing location
- ☐ Category D – Change in Operating Unit (requires DBM approval)
- ☐ Modification does not comply with DBM Categories

Reviewed by Planning Service

Name:	ANNA ANDREA M. NOCHE	Name:	PETER PAUL R. CORTEZ
Signature		Signature:	
Position:	Regional Coordinator	Position:	OIC - Chief of Programming Division
Date:	04-13-23	Date:	

ANNEX A: Project Work Location Details for National Roads

Component ID	Section ID	Start Limit	End Limit	Start	End	Length	Type of Work	Detail Scope of Work	Target Unit	Physical Target
		LRP + Disp	LRP + Disp	Chainage	Chainage	(m)				
CW-1	S00399LZ	K0293+930	K0293+990	18076	18136	60	Construction of Road Slope Protection Structure	1. Slope protection works (Gabion (LS), and Stone Masonry (LS)) 2. Drainage Works (Curb and Gutter (LS)) 3. Road Safety Feature (Concrete Barrier (LS))	square meter	239.25
CW-1	S00399LZ	K0297+840	K0297+890	22171	22221	50	Construction of Road Slope Protection Structure	1. Slope protection works (Stone Masonry (LS), Breastwall (RS)) 2. Drainage works (Curb and Gutter (LS); and 3. Paving of Shoulders (BS) 4. Road Safety Feature (Concrete Barrier (LS))	square meter	301.25