



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

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 – **K0276+725 – K0276+910, K0276+920 – K0277+040, K0278+250 – K0278+370, K0279+912 – K0279+942 - - - ₱21,000,000.00**

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

2.3 mksa/AVS/AGC/ERP

4017-D10



Programming Division Evaluation Sheet

Name of Project:

Project ID: **P00713142LZ**

Gov. Bado Dangwa National Rd - K0277 + 000 - K0277 + 032, K0278 + 250 - K0278 + 370, K0279 + 912 - K0279 + 942

Appropriation: 21,000,000

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: 21,000,000

D. IMPACT:

- D.1 Condition/s: _____ % decrease in unit cost
41.26 % increase in unit cost
29.21 % decrease in physical target
_____ % 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
ALEX G. BOTE

Director, Planning Service

Noted By:

Constante A. Llanes, Jr.
CONSTANTE A. LLANES, JR., CESO III

Assistant Secretary, Planning Service

ACTION SLIP

Project ID: **P00713142LZ**

Date: _____

FOR SECRETARY MANUEL M. BONOAN OR _____

REMARKS:

- ☒ Reviewed by Planning Service
☐ Recommended for Approval
☐ Remarks: _____

Maria Catalina E. Cabral
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					
UACS No.: 310109101271000 Project ID.: P00713142LZ 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 - K0277+000 - K0277+032 , K0278+250 - K0278+370, K0279+912 - K0279+942			 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 - K0276+725 - K0276+910, K0276+920 - K0277+040 , K0278+250 - K0278+370, K0279+912 - K0279+942		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure / 1,912.3 sq.m.	₱ 10,761.91/ sq.m.	₱ 20,580,000.00	CW1 – Construction of Road Slope Protection Structure / 1,353.75 sq.m.	₱ 15,202.22/ sq.m.	₱ 20,580,000.00
EAO	–	₱ 420,000.00	EAO	–	₱ 420,000.00
Total:		₱ 21,000,000.00	Total:		₱ 21,000,000.00
Justification: <i>Use of Stone Masonry</i> Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 1,912.3 square meters to 1,353.75 square meters due to the following: <ul style="list-style-type: none">• The change in station limits was deemed essential due to of the necessity to extend the station limit of K0277+000 – K0277+032 and to add the identified critical section which needs immediate intervention at station limits K0276+725 – K0276+910 since the extent of the damaged slope was aggravated during the onslaught of previous typhoons and to provide immediate protection to areas adjacent to these section that is exposed to rain and is unstable.• Unit costs for CW1 increased due to the necessity to (1) include paving of shoulders to increase the capacity of the road network and, (2) incorporate drainage works in order to properly divert surface run-off away from the road.• 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. PIHO, 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



WIN3E02785



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 - K0277+000 - K0277+032, K0278+250 - K0278+370, K0279+912 - K0279+942

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 **Twenty-One Million Pesos (Php 21,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00713142LZ	
Project Title	Gov. Bado Dangwa National Rd - K0277+000 - K0277+032 , K0278+250 - K0278+370, K0279+912 - K0279+942	Gov. Bado Dangwa National Rd - K0276+725 - K0276+910, K0276+920 - K0277+040 , K0278+250 - K0278+370, K0279+912 - K0279+942
Physical Target	1,912.3 Square Meters	1,353.75 Square Meters
Allocation	Php 21,000,000	Php 21,000,000

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 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 - K0277+000 - K0277+032, K0278+250 - K0278+370, K0279+912 - K0279+942

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 - K0277+000 - K0277+032, K0278+250 - K0278+370, K0279+912 - K0279+942" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 310109101271000			
Project ID.: P00713142LZ			
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 - K0277+000 - K0277+032, K0278+250 - K0278+370, K0279+912 - K0279+942		Gov. Bado Dangwa National Rd - K0276+725 - K0276+910, K0276+920 - K0277+040 - K0278+250 - K0278+370, K0279+912 - K0279+942	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Road Slope Protection Structure		CW-1: Construction of Road Slope Protection Structure	
1912.3 square meter	20,580,000.00	1353.75 square meter	20,580,000.00
EAO (2%)	420,000.00	EAO (2%)	420,000.00
Total:	21,000,000.00	Total:	21,000,000.00

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)
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B. ORIGINAL PROJECT

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

310109101271000

5. Project Id

P00713142LZ

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 - **K0277+000** - K0277+032, K0278+250 - K0278+370, K0279+912 - K0279+942

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

21,000

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

Component ID	Target	Target Unit
CW1	1,912.3	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	20,580.000 ✓	10.76191 ✓
EAO	420.000 ✓	

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 - **K0276+725** - **K0276+910**, **K0276+920** - K0277+040, K0278+250 - K0278+370, K0279+912 - K0279+942

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

21,000 ✓

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	1,353.75 ✓	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	20,580.000 ✓	15.20222 ✓
EAO	420.000 ✓	

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	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
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31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects) <input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A
32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points) <p>Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 1,912.3 square meters to 1,353.75 square meters due to the following:</p> <ul style="list-style-type: none"> The change in station limits was deemed essential due to of the necessity to extend the station limit of K0277+000 – K0277+032 and to add the identified critical section which needs immediate intervention at station limits K0276+725 – K0276+910 since the extent of the damaged slope was aggravated during the onslaught of previous typhoons and to provide immediate protection to areas adjacent to these section that is exposed to rain and is unstable. Unit costs for CW1 increased due to the necessity to (1) include paving of shoulders to increase the capacity of the road network and, (2) incorporate drainage works in order to properly divert surface run-off away from the road. 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 <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>
33. PHOTOS SUBMITTED <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES
34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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)

Name:	MARJORY B. BANAQ	Name:	 ANGELITA B. MABITAZAN
Position:	OIC - Chief, Planning and Design Section	Position:	Chief, Planning and Design Division
Date:		Date:	

38. REVIEWED BY REGIONAL OFFICE

37. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name:	 REX K. OYA-OY	Name:	 KHADAFFY D. TANGGOL
Position:	OIC – District Engineer	Position:	Regional Director
Date:		Date:	

39. RECOMMENDED BY REGIONAL OFFICE

Tables for Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

310109101271000

Project Id

P00713142LZ

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

Name:	Engr. MANUEL L. SINGSON	Engr. ANTONIO V. SOBREVÍÑAS, JR.
Signature		
Position:	Project Manager I	Project Manager II
Date:	4/3/23	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	K0276+725	K0276+910	89	274	185	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS))	square meter	272
CW-1	S00399LZ	K0276+920	K0277+040	284	407	123	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS)) 2. Drainage works (Curb and Gutter (LS); and 3. Paving of Shoulders (LS)	square meter	328
CW-1	S00399LZ	K0278+250	K0278+370	1618	1738	120	Construction of Road Slope Protection Structure	1. Slope protection works (Stone Masonry (LS)),	square meter	303.75
CW-1	S00399LZ	K0279+912	K0279+942	3281	3311	30	Construction of Road Slope Protection Structure	1. Slope protection works (Two-layered Cribwall (LS))	square meter	450

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	K0276+725	K0276+910	89	274	185	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS))	square meter	272
CW-1	S00399LZ	K0276+920	K0277+040	284	407	123	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS)) 2. Drainage works (Curb and Gutter (LS); and 3. Paving of Shoulders (LS)	square meter	328
CW-1	S00399LZ	K0278+250	K0278+370	1618	1738	120	Construction of Road Slope Protection Structure	1. Slope protection works (Stone Masonry (LS)),	square meter	303.75
CW-1	S00399LZ	K0279+912	K0279+942	3281	3311	30	Construction of Road Slope Protection Structure	1. Slope protection works (Two-layered Cribwall (LS))	square meter	450