



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

4557-010

Project ID: **P00713138LZ**

Appropriation: 35,074,000

Date: 04/12/2023

A.1		Change in Implementing Office/Operating Unit due to
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A.1.2	Approval of Authority to Bid/Implement
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A.2.1 Typographical Error/s

A.2.2	Change in Location (for non-existent locations only)
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A.2.3	✓	Change in Station Limits
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A.2.4		Addition/Deletion of Word/s
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A.2.5 ☒ Change in Project Component/s Details

A.2.5.1	✓	Change in Targets
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Change in Scope of Work	from
	to

A.2.5.3 Change in Component Amount

A.2.5.4		Addition of Component (incl. EXC Component)
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A.2.5.5	Deletion of Component
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A.2.5.6		Movement of Funds between Components
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B.1 ☒ ALLOWED as per the GAA Provisions

B.2		NOT ALLOWED as per the GAA Provisions
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C.1 for issuance of SARO (☐Released ☐Unreleased)

C.2	✓	released thru GAAAO
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Amount: 35,074,000

D.1	Condition/s:	-	% decrease in unit cost
		<u>48.73</u>	% increase in unit cost
		<u>32.77</u>	% decrease in physical target
		-	% increase in physical target

D.2 ☐ Additional Project Component

D.2		
D.3	✓	Certificate of Cost Reasonableness by RD

D.4 Remarks:

E.1 Undersecretary for Operations

E.2	✓	Secretary
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Evaluated By:

ALEX G. BOTE

Director, Planning Service

Noted By:

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

ACTION SLIP

Project ID: **P00713138LZ**

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

March 30, 2023

MEMORANDUM

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

This refers to the memorandum dated March 29, 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.: 310108101480000 Project ID.: P00713138LZ					
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		
Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+350 , K0320+345 - K0320+410			Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+396 , K0320+345 - K0320+410		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure / 2,692.09 sq.m.	₱ 12,767.97/ sq.m.	₱ 34,372,520.00	CW1 – Construction of Road Slope Protection Structure / 1,810 sq.m.	₱ 18,990.34 / sq.m.	₱ 34,372,520.00
EAO	–	₱ 701,480.00	EAO	–	₱ 701,480.00
Total:		₱ 35,074,000.00	Total:		₱ 35,074,000.00
Justification: <i>Use of Structural Conc/ Reinf Steel</i> Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 2,692.09 square meter to 1,810 square meter due to the following:					
<ul style="list-style-type: none">• The change in station limits was deemed essential due to the necessity to extend the length to be protected at station K0318+350 since the extent of the damaged slope was aggravated during the onslaught of typhoon Karding and to provide immediate protection to areas adjacent to the identified critical section that poses danger to the vegetable garden just below the section due to the possibility of landslide occurrence.• Unit costs for CW1 increased due to the necessity to (1) incorporate drainage works in order to properly divert surface run-off away from the road, (2) construct off-carriageway structures such as sidewalk in order to ensure safety of passer-by, and (3) paving of shoulders.• The derived unit cost is based on the approved Program of Work (POW) and Detailed Unit Price Analysis (DUPA).• See attached Certificate of Reasonableness of Cost 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

Department of Public Works and Highways
Office of the Secretary



WIN3E02791

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 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: OO1: Ensure Safe and Reliable National Road System - Asset Preservation Program - 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+350, K0320+345 - K0320+410

We are respectfully forwarding the Memorandum dated March 28, 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 **Thirty-Five Million Seventy-Four Thousand Pesos (Php 35,074,000.00)** as indicated below:

	FROM	TO
Project ID	P00713138LZ	
Project Title	Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+350 , K0320+345 - K0320+410	Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+396 , K0320+345 - K0320+410
Physical Target	2,692.09 Square Meters	1,810 Square Meters
Allocation	Php 35,074,000	Php 35,074,000

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 28, 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 - Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+350, K0320+345 - K0320+410

Respectfully submitting the requirements for the modification of the FY 2023 project: "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+350, K0320+345 - K0320+410" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 310108101480000			
Project ID.: P00713138LZ			
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	
Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+350, K0320+345 - K0320+410		Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+396, K0320+345 - K0320+410	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Road Slope Protection Structure		CW-1: Construction of Road Slope Protection Structure	
2692.09 square meter	34,372,520.00	1810 square meter	34,372,520.00
EAO (2%)	701,480.00	EAO (2%)	701,480.00
Total:	35,074,000.00	Total:	35,074,000.00

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)

310108101480000

5. Project Id

P00713138LZ

6. Project Category

OO1: Ensure Safe and Reliable National Road System

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

Asset Preservation Program - 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)

Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+350, K0320+345 - K0320+410

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

35,074

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

Component ID	Target	Target Unit
CW1	2,692.09 ✓	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	34,372.520 —	12.76797 ✓
EAO	701.480 —	

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)

Baguio-Bontoc Rd - K0317+820 - K0317+837, K0318+012 - K0318+049, K0318+052 - K0318+070, K0318+320 - K0318+396, K0320+345 - K0320+410

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

35,074

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	1,810 ✓	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	34,372.520 —	18.99034 ✓
EAO	701.480 ✓	

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
04/03/2023	06/06/2023	04/03/2023	06/06/2023
		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)

Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 2,692.09 square meters to 1,810 square meters due to the following:

- The change in station limits was deemed essential due to the necessity to extend the length to be protected at station K0318+350 since the extent of the damaged slope was aggravated during the onslaught of typhoon Karding and to provide immediate protection to areas adjacent to the identified critical section that poses danger to the vegetable garden just below the section due to the possibility of landslide occurrence.*
- Unit costs for CW1 increased due to the necessity to (1) incorporate drainage works in order to properly divert surface run-off away from the road, (2) construct road safety features e.g. concrete barrier and off-carriageway structures such as sidewalk in order ensure safety of both passer-bys and motorists, and (3) paving of shoulders.*
- The derived unit cost is based on the approved Program of Work (POW) and Detailed Unit Price Analysis (DUPA).*
- See attached Certificate of Reasonableness of Cost 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 K. 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)

310108101480000

Project Id

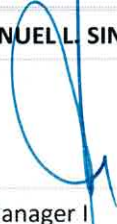
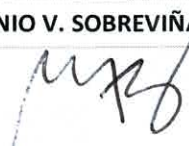
P00713138LZ

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:	3/30/23	Date:	3/30/23

41. DPWH PLANNING SERVICE

Category of Modification (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

Name:	ANNA ANDREA M. NOCHE	Name:	PETER PAUL R. CORTEZ
Signature		Signature:	
Position:	Regional Coordinator	Position:	OIC - Chief of Programming Division
Date:	04.12.23	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	S00375LZ	K0317+820	K0317+837	9763	9780	17	Construction of Road Slope Protection Structure	1. Slope protection works (Two-layered Retaining Wall w/ parapet and concrete berm (LS)), 2. Drainage works (Curb and gutter (LS)); and 3. Construction of sidewalk (RS)	square meter	228
CW-1	S00375LZ	K0318+012	K0318+049	9950	9987	37	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall w/ parapet (LS)), 2. Drainage works (Curb and gutter (LS)); and 3. Paving of shoulders (LS)	square meter	203
CW-1	S00375LZ	K0318+052	K0318+070	9990	10008	18	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall w/ parapet (LS)); and 2. Paving of shoulders (LS)	square meter	90
CW-1	S00375LZ	K0318+320	K0318+396	10258	10334	76	Construction of Road Slope Protection Structure	1. Slope Protection Works (Retaining wall (LS), Stone Masonry (LS)) 2. Drainage works (Curb and Gutter (LS)); and 3. Road Safety works (Concrete Barrier (LS))	square meter	421
CW-1	S00375LZ	K0320+345	K0320+410	12273	12338	65	Construction of Road Slope Protection Structure	1. Slope protection works (Two-layered Retaining Wall w/ parapet and concrete berm (RS)), 2. Drainage works (Curb and gutter (RS)); and 3. Construction of sidewalk (RS) 4. Paving of shoulders (RS)	square meter	868