



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 : **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. OO2: Protect Lives and Properties Against Major Floods - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers Construction of Flood Mitigation Structure along Agno River, Baoknit Section, **Sta. 9+945 - Sta. 10+555 (L.S), Sta. 9+928 - Sta. 10+524 (R.S)**, Buguias, Benguet - - - **P75,000,000.00**
2. OO2: Protect Lives and Properties Against Major Floods - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers Construction of Flood Mitigation Structure along Agno River, Calamagan Section, **Sta. 11+008 - Sta. 11+700 (R.S), Sta. 11+008 - Sta. 11+713 (L.S)**, Buguias, Benguet - - - **P75,000,000.00**
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 Baguio-Bontoc Rd - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, **K0272+713 - K0272+770 - - - P30,000,000.00**
4. Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads Abatan-Mankayan-Cervantes Rd - K0334+360 - **K0334+375, K0335+470 - K0335+511**, K0342+955 - **K0342+974, K0348+350 - K0348+368 - - - P9,000,000.00**
5. 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 - K0324+445 - K0324+470, K0331+540 - K0331+575, K0338+515 - K0338+560, **K0342+625 - K0342+665, K0344+415 - K0344+426 - - - P32,000,000.00**, K0278+370, K0279+912 - K0279+942 - - - **P21,000,000.00**

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



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.: 310108101478000 Project ID.: P00713137LZ					
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 - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0270+015 - K0270+045, K0272+720 - K0272+750			Baguio-Bontoc Rd - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0272+713 - K0272+770		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure / 2,680.36 sq.m.	₱ 10,968.68/ sq.m.	₱ 29,400,000.00	CW1 – Construction of Road Slope Protection Structure / 1,602 sq.m.	₱ 18,352.06/ sq.m.	₱ 29,400,000.00
EAO	–	₱ 600,000.00	EAO	–	₱ 600,000.00
Total:		₱ 30,000,000.00	Total:		₱ 30,000,000.00
Justification: Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 2,680.36 square meter to 1,602 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 stations K0272+720 and K0272+750 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 is exposed to rain and is unstable.Removal of station limit K0270+015 - K0270+045 in order to accommodate the proposed changes above.Unit costs for CW1 increased due to the necessity to (1) reconstruct damaged PCCP, (2) incorporate drainage works in order to properly divert surface run-off away from the road, (3) to construct off-carriageway structures such as sidewalk in order ensure safety of both passer-bys and motorists, and (4) 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
XIII


EUGENIO R. PIHO, JR.
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and

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: 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 - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0270+015 - K0270+045, K0272+720 - K0272+750

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 Million Pesos (Php 30,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00713137LZ	
Project Title	Baguio-Bontoc Rd - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0270+015 - K0270+045, K0272+720 - K0272+750	Baguio-Bontoc Rd - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0272+713 - K0272+770
Physical Target	2,680.36 Square Meters	1,602 Square Meters
Allocation	Php 30,000,000	Php 30,000,000

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 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 - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0270+015 - K0270+045, K0272+720 - K0272+750

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 - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0270+015 - K0270+045, K0272+720 - K0272+750" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 310108101478000			
Project ID.: P00713137LZ			
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 - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0270+015 - K0270+045, K0272+720 - K0272+750		Baguio-Bontoc Rd - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0272+713 - K0272+770	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Road Slope Protection Structure		CW-1: Construction of Road Slope Protection Structure	
2680.36 square meter	29,400,000.00	1602 square meter	29,400,000.00
EAO (2%)	600,000.00	EAO (2%)	600,000.00
Total:	30,000,000.00	Total:	30,000,000.00

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)

310108101478000

5. Project Id

P00713137LZ

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 - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, **K0270+015 - K0270+045**, K0272+720 - K0272+750

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

30,000

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

Component ID	Target	Target Unit
CW1	2,680.36 ✓	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	29,400.000 ✓	10.96868 ✓
EAO	600.000 ✓	

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)

Baguio-Bontoc Rd - K0266+600 - K0266+700, K0267+150 - K0267+180, K0268+850 - K0268+920, K0272+713 ← K0272+770

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

30,000

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	1,602 ✓	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	29,400.000 ✓	18.35206 ✓
EAO	600.000 ✓	

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
04/03/2023	11/06/2023	04/03/2023	11/06/2023
		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 2,680.36 square meters to 1,602 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 stations K0272+720 and K0272+750 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 is exposed to rain and is unstable.*
- Removal of station limit K0270+015 - K0270+045 in order to accommodate the proposed changes above.*
- Unit costs for CW1 increased due to the necessity to (1) reconstruct damaged PCCP, (2) incorporate drainage works in order to properly divert surface run-off away from the road, (3) to construct off-carriageway structures such as sidewalk in order ensure safety of both passer-bys and motorists, and (4) 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)

310108101478000

Project Id


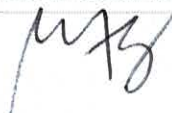
P00713137LZ

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:	04.13.23	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	S00373LZ	K0266+600	K0266+700	4655	4755	100	Construction of Road Slope Protection Structure	1. Slope protection works (Two-layered Retaining Wall w/ parapet and concrete berm (RS), and Grouted Riprap (LS)), 2. Drainage works (Curb and gutter (RS), and flume (RS)), 3. PCCP Reconstruction (RL) and 4. Paving of shoulders (RS)	square meter	606
CW-1	S00373LZ	K0267+150	K0267+180	5212	5242	30	Construction of Road Slope Protection Structure	1. Slope protection works (Breastwall (LS)) and 2. Construction of side walk (LS)	square meter	60
CW-1	S00373LZ	K0268+850	K0268+920	6937	7007	70	Construction of Road Slope Protection Structure	1. Slope protection works (Breastwall (RS)) and 2. Drainage works (Curb and gutter (RS))	square meter	100
CW-1	S00373LZ	K0272+713	K0272+770	10786	10843	57	Construction of Road Slope Protection Structure	1. Slope Protection Works (4 layered Retaining wall with concrete berm (RS), Retaining wall(LS)) 2. Drainage works (Canal (LS), Inlet (LS), Flume (LS), additional RCPC at outfall, Curb and Gutter (RS)) 3. Paving of shoulders (LS) 4. Construction of sidewalk (RS) 5. PCCP Reconstruction (RL)	square meter	836