



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



Programming Division Evaluation Sheet

Name of Project:

Project ID: **P00713141LZ**

Abatan-Mankayan-Cervantes Rd - K0334 + 360 - K0334 + 390, K0334 + 630 - K0334 + 670, K0342 + 955 - K0342 + 975

Appropriation: **9,000,000**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 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 _____

- 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: **9,000,000****D. IMPACT:**

- D.1 Condition/s: _____ % decrease in unit cost
_____ 29.50 % increase in unit cost
_____ 22.78 % 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

Director, Planning Services

Noted By:

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

ACTION SLIP

Project ID:

P00713141LZ

Date:

FOR SECRETARY MAMEL 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.: 310109101270000 Project ID.: P00713141LZ 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+390, K0334+630 - K0334+670, K0342+955 - K0342+975			 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		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure / 540 sq.m.	₱ 16,333.33/ sq.m.	₱ 8,820,000.00	CW1 – Construction of Road Slope Protection Structure / 417 sq.m.	₱ 21,151.08/ sq.m.	₱ 8,820,000.00
EAO	–	₱ 180,000.00	EAO	–	₱ 180,000.00
Total:		₱ 9,000,000.00	Total:		₱ 9,000,000.00
Justification: <i>Use of Structural Concrete</i> Change in station limits and decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 540 square meter to 417 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 add stations K0335+470 - K0335+511, and K0348+350 - K0348+368 that were aggravated during the onslaught of previous typhoons 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 K0334+630 - K0334+670 since the Maintenance section has already addressed this section.• Unit costs for CW1 increased due to the necessity to incorporate drainage works in order to properly divert surface run-off away from the road. Portland Cement Concrete Pavement (PCCP) and Curb and Gutter were also included as work items to close the gap from the carriageway to the retaining wall structure for proper flow of surface run off.• 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.					

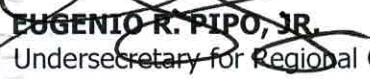
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.


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. PIPO, 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



WIN3E02817



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 - Tertiary Roads - Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+390, K0334+630 - K0334+670, K0342+955 - K0342+975

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 **Nine Million Pesos (Php 9,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00713141LZ	
Project Title	Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+390, K0334+630 - K0334+670, K0342+955 - K0342+975	Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+375, K0335+470 - K0335+511, K0342+955 - K0342+974, K0348+350 - K0348+368
Physical Target	540 Square Meters	417 Square Meters
Allocation	Php 9,000,000	Php 9,000,000

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 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 - Tertiary Roads - Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+390, K0334+630 - K0334+670, K0342+955 - K0342+975

Respectfully submitting the requirements for the modification of the FY 2023 project: "Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+390, K0334+630 - K0334+670, K0342+955 - K0342+975" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 310109101270000			
Project ID.: P00713141LZ			
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	
Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+390, K0334+630 - K0334+670 , K0342+955 - K0342+975		Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+375, K0335+470 - K0335+511 , K0342+955 - K0342+974, K0348+350 - K0348+368	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Road Slope Protection Structure		CW-1: Construction of Road Slope Protection Structure	
540 square meter	8,820,000.00	417 square meter	8,820,000.00
EAO (2%)	180,000.00	EAO (2%)	180,000.00
Total:	9,000,000.00	Total:	9,000,000.00

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)

310109101270000

5. Project Id

P00713141LZ

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 - 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)

Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+390, K0334+630 - K0334+670, K0342+955 - K0342+975

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

9,000

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

Component ID	Target	Target Unit
CW1	540	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	8,820.000 ✓	16.33333 ✓
EAO	180.000 ✓	

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)

Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+375, ~~K0335+470 - K0335+511~~, K0342+955 - K0342+974, ~~K0348+350 - K0348+368~~

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

9,000 ✓

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	417 ✓	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	8,820.000 ✓	21.15108 ✓
EAO	180.000 ✓	

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
04/03/2023	08/28/2023	04/03/2023	08/28/2023
		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 ~~540~~ square meters to ~~417~~ square meters due to the following:

- *The change in station limits was deemed essential due to the necessity to add stations K0335+470 - K0335+511, and K0348+350 - K0348+368 that were aggravated during the onslaught of previous typhoons 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 K0334+630 - K0334+670 since the Maintenance section has already addressed this section.*
- *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 and (2) construct road safety features such as concrete barriers in order to ensure safety of motorists. Portland Cement Concrete Pavement (PCCP) and Curb and Gutter were also included as work items to close the gap from the carriageway to the retaining wall structure for proper flow of surface run off.*
- *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:	 MABIOR B. BANAQ	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:	 KHADAFY 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)

310109101270000

Project Id


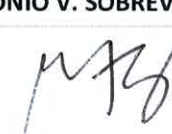
P00713141LZ

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)

- ☐ 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:	04.12.23	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	S00378LZ	K0334+360	K0334+375	1249	1264	15	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS)), 2. Drainage works (Concrete Flume (LS)); and 3. Road Safety works (Concrete Barrier (LS))	square meter	49
CW-1	S00378LZ	K0335+470	K0335+511	2361	2402	41	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS)); and 2. Road Safety works (Concrete Barrier (LS))	square meter	112
CW-1	S00378LZ	K0342+955	K0342+974	9850	9869	19	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS)), 2. Drainage works (Curb and gutter (LS)); and 3. Road Safety works (Concrete Barrier (LS))	square meter	96
CW-1	S00378LZ	K0348+350	K0348+368	15204	15222	18	Construction of Road Slope Protection Structure	1. Slope protection works (Retaining Wall (LS))	square meter	160