



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

June 19, 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. OO1: Ensure Safe and Reliable National Road System - Network Development: Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0294+000 - K0295+**993** - - - **₱30,000,000.00**

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

Project ID: **P00712271LZ**

Appropriation: 30,000,000

Date: 05/31/2023

A.1	Change in Implementing Office/Operating Unit due to
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DPWH - OSEC
RECEIVED
JUN 14 2023
By: [Signature]
Control: [Signature]
22-10061
09695

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

B.1	✓	ALLOWED as per the GAA Provisions
B.2		NOT ALLOWED as per the GAA Provisions

C.1		for issuance of SARO	(<input type="checkbox"/> Released <input type="checkbox"/> Unreleased)
C.2	✓	released thru GAAAO	

Amount: _____ 30,000,000

D.1	Condition/s:	-	% decrease in unit cost
		33.74	% increase in unit cost
		60.35	% decrease in physical target
		-	% Increase in physical target

D.2		Additional Project Component
D.3	✓	Certificate of Cost Reasonableness by RD

D.4 Remarks: Increase in unit cost due to Additional Component (*CW2 - Construction of Road Slope Protection*) to promote safety of Road Users

E.1		Undersecretary for Operations
E.2	✓	Secretary

Noted By:

Director, Planning Service

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

ACTION SLIP

Date:

FOR SECRETARY MANUEL M. BONOAN OR

<input checked="" type="checkbox"/>	Reviewed by Planning Service
<input type="checkbox"/>	Recommended for Approval
<input type="checkbox"/>	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

May 31, 2023

MEMORANDUM

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

This refers to the memorandum dated May 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.: 310208100509000 Project ID.: P00712271LZ OO1: Ensure Safe and Reliable National Road System - Network Development: Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0294+000 - K0295+ 803			 OO1: Ensure Safe and Reliable National Road System - Network Development: Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0294+000 - K0295+ 993		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Off-Carriageway Improvement: Paving of Shoulders / 5,770.71 square meters	₱ 5,094.69/ square meter	₱ 29,400,000.00	CW1 – Off-Carriageway Improvement: Paving of Shoulders / 2,287.80 square meters	₱ 6,813.77 / Square meter	₱ 15,588,542.25
			CW2- Construction of Road Slope Protection Structure/ 2,764.00 square meters	₱ 4,996.91 / Square meter	₱ 13,811,457.85
EAO	–	₱ 600,000.00	EAO	–	₱ 600,000.00
Total:		₱ 30,000,000.00	Total:		₱ 30,000,000.00

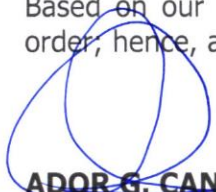
Justification:

Change in station limits, decrease in physical target for CW1 – Off-Carriageway Improvement from 5,770.71 square meters to 2,287.8 square meters and addition of a new component CW2 – Construction of Road Slope Protection Structure with a physical target of 2,764 square meters due to the following:

- The change in station limits was deemed necessary in order to ease the recent traffic situation experienced along the identified station limits. It is noted that combined with the traffic caused by an on-going Preventive Maintenance project along the road line, traffic volume drastically increases especially during Fridays and Saturdays due to the influx of tourists coming from places both local and foreign.
- Decrease in physical target of CW1 is due to the inclusion of CW2. Increase in unit cost of CW1 was due to the increase in length of station limits. Urgent need to provide drainage structures along identified critical sections along the limits in order to divert surface run-offs coming from the vegetable gardens nearby and the carriageway, to provide concrete barriers for the safety of both motorists and passers-by.
- Furthermore, the addition of a new component is necessary due to the need to stabilize the soil that will be disturbed during the construction of concrete shoulders by providing slope protection structures along the sections that are identified as critical.
- 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.

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, and Certificate of Reasonableness of Unit Cost.

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



WIN3E02998



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CORDILLERA ADMINISTRATIVE REGION
Engineer's Hill, Baguio City

May 29, 2023

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary

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

**SUBJECT : Request for Modification of the Project: 001: Ensure Safe and
Reliable National Road System - Network Development - Off-
Carriageway Improvement - Secondary Roads - Baguio-Bontoc Rd
- K0294+000 - K0295+803**

We are respectfully forwarding the Memorandum dated May 24, 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	P00712271LZ	
Project Title	Baguio-Bontoc Rd - K0294+000 - K0295+ 803	Baguio-Bontoc Rd - K0294+000 - K0295+ 993
Type of Work	CW1 - Off-Carriageway Improvement: Paving of Shoulders	CW1 - Off-Carriageway Improvement: Paving of Shoulders CW2 - Construction of Road Slope Protection Structure
Physical Target	CW1: 5,770.71 Square Meters	CW1: 2,287.8 Square Meters CW2: 2.761 Square Meters

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

By the authority of the Regional Director:


EMMANUEL W. DIAZ, CESE
Assistant Regional Director

CAR.1 MGB/EFD/JWC/ABM



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BENGUET SECOND
DISTRICT ENGINEERING OFFICE
CORDILLERA ADMINISTRATIVE REGION
Natubleng, Buguias, Benguet

May 24, 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, Off-Carriageway Improvement - Secondary Roads - Baguio-Bontoc Rd - K0294+000 - K0295+803**

Respectfully submitting the requirements for the modification of the FY 2023 project: "Off-Carriageway Improvement - Secondary Roads - Baguio-Bontoc Rd - K0294+000 - K0295+803" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 310208100509000			
Project ID.: P00712271LZ			
Network Development Program - Off-Carriageway Improvement - Secondary Roads		Network Development Program - Off-Carriageway Improvement - Secondary Roads	
Baguio-Bontoc Rd - K0294+000 - K0295+ 803		Baguio-Bontoc Rd - K0294+000 - K0295+ 993	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Off-Carriageway Improvement: Paving of Shoulders		CW-1: Off-Carriageway Improvement: Paving of Shoulders	
5770.71 square meter	29,400,000.00	2287.8 square meter	15,588,542.25
		CW-2: Construction of Road Slope Protection Structures	
		2764 square meter	13,811,457.75
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)

B. ORIGINAL PROJECT

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

310208100509000

5. Project Id

P00712271LZ ✓

6. Project Category

OO1: Ensure Safe and Reliable National Road System

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

Network Development - Off-Carriageway Improvement - 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	Off-Carriageway Improvement: Paving of Shoulders ✓

10. PROJECT DESCRIPTION (as recorded in GAA)

Baguio-Bontoc Rd - K0294+000 - K0295+803 ✓

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	5,770.71 ✓	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	29,400.00000 ✓	5.09469 ✓

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

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	Off-Carriageway Improvement: Paving of Shoulders
CW2	Construction of Road Slope Protection Structure ✓

20. PROJECT DESCRIPTION (of the revised project)

Baguio-Bontoc Rd - K0294+000 - K0295+993 ✓

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	2,287.8 ✓	Square Meters (m2) ✓
CW2	2,764 ✓	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	15,588.54225 ✓	6.81377 ✓
CW2	13,811.45775 ✓	4.99691 ✓

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

Tables for Modification Request Form

16. IMPLEMENTING OFFICE (Record the Implementing Office of the original project)

Benguet Second District Engineering Office

17. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date	Planned End Date
06/21/2023	03/11/2024

27. IMPLEMENTING OFFICE (Record the Implementing Office of the proposed revised project)

Benguet Second District Engineering Office

28. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date	Planned End Date
06/21/2023	03/11/2024

29. OVERLAP?

☒ NO ☐ YES

30. UNDER WARRANTY?

☒ NO ☐ 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, decrease in physical target for CW1 – Off-Carriageway Improvement from 5,770.71 square meters to 2,287.8 square meters and addition of a new component CW2 – Construction of Road Slope Protection Structure with a physical target of 2,764 square meters due to the following:
- The change in station limits was deemed necessary in order to ease the recent traffic situation experienced along the identified station limits. It is noted that combined with the traffic caused by an on-going Preventive Maintenance project along the road line, traffic volume drastically increases especially during Fridays and Saturdays due to the influx of tourists coming from places both local and foreign.
- Unit costs for CW1 increased due to the urgent need to provide drainage structures along identified critical sections along the limits in order to divert surface run-offs coming from the vegetable gardens nearby and the carriageway, to provide concrete barriers for the safety of both motorists and passers-by.
- Furthermore, the addition of a new component is necessary due to the need to stabilize the soil that will be disturbed during the construction of concrete shoulders by providing slope protection structures along the sections that are identified as critical.
- 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.
- 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, and Certificate of Reasonableness of Unit Cost.

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. 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:


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)

310208100509000

Project Id

P00712271LZ

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 Engr. ANTONIO V. SOBREVÍÑAS, JR.

Signature

Position: Project Manager I

Position: Project Manager I

Date:

5/31/23

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:

6/6/23

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	K0294+000	K0295+993	32008	34007	1999	Off-Carriageway Improvement: Paving of Shoulders	1. Paving of Shoulders 2. Drainage Works (Curb and Gutter, Line Canal, Pipe Culverts) 3. Road Safety Feature (Concrete Barrier (RS))	square meter	2287.8
CW-2	S00373LZ	K0294+000	K0295+993	32008	34007	1999	Construction of Road Slope Protection Structure	1. Slope protection works (Grouted Riprap (LS), Stone Masonry (RS), and Cribwall (RS))	square meter	2764