



June 13, 2023

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

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:

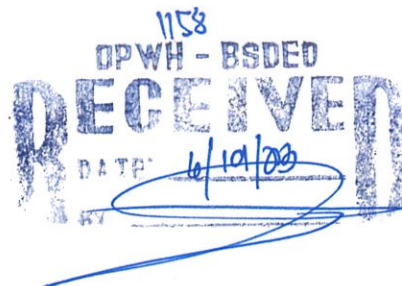
1. Network Development: Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - **K0296+000 - K0297+500 - - - P30,000,000.00**

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





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

May 19, 2023

MEMORANDUM

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

This refers to the memorandum dated May 17, 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.: 310208100508000 Project ID.: P00712270LZ Network Development: Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565			Network Development: Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0296+000 - K0297+500		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Off-Carriageway Improvement: Paving of Shoulders / 6000.67 square meters	₱ 4,899.45/ square meter	₱ 29,400,000.00	CW1 – Off-Carriageway Improvement: Paving of Shoulders / 2305.50 square meters	₱ 7,936.50/ Square meter	₱ 18,297,621.42
			CW2- Construction of Road Slope Protection Structure/ 2058 square meters	₱ 5,394.74/ Square meter	₱ 11,102,378.58
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 6000.67 square meters to 2305.5 square meters and addition of a new component CW2 – Construction of Road Slope Protection Structure with a physical target of 2,508 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/modified 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 other places both local and foreign. Thus, the construction of shoulders along these sections are necessary to widen the road network at identified strategic locations.
- The 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 carriageway and nearby vegetable gardens. Concrete barriers will be provided for the safety of both motorists and passer-bys.
- 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 were 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 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, 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. PIRO, 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



WIN3E02978



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

May 17, 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: 001: Ensure Safe and Reliable National Road System – Network Development Program - Off- Carriageway Improvement - Secondary Roads - Baguio-Bontoc Rd - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565

We are respectfully forwarding the Memorandum dated May 17, 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	P00712270LZ	
Project Title	Baguio-Bontoc Rd - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565	Baguio-Bontoc Rd - K0296+000 - K0297+500
Scope 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 – 6,000.67 Square meters	CW1 – 2,305.50 Square meters CW2 – 2,058.00 Square meters
Allocation	CW1 - Php 29,400,000 EAO – Php 600,000	CW1 – Php 18,297,621.42 CW2 – Php 11,102,378.58 EAO – Php 600,000

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

May 17, 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 - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565

Respectfully submitting the requirements for the modification of the FY 2023 project: "Off-Carriageway Improvement - Secondary Roads - Baguio-Bontoc Rd - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565" for your endorsement.

FROM		TO	
Project Description: UACS No.: 310208100508000 Project ID.: P00712270LZ Network Development Program - Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565		Network Development Program - Off-Carriageway Improvement - Secondary Roads Baguio-Bontoc Rd - K0296+000 - K0297+500	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Off-Carriageway Improvement: Paving of Shoulders 6000.67 square meter	29,400,000.00	CW-1: Off-Carriageway Improvement: Paving of Shoulders 2305.5 square meter	18,297,621.42
		CW-2: Construction of Road Slope Protection Structures 2058 square meter	11,102,378.58
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
DIC - 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)

310208100508000

5. Project Id

P00712270LZ

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 - K0284+000 - K0284+128, K0284+164 - K0284+452, K0284+492 - K0285+565

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	6000.67	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	4.89945

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 - **K0296+000 - K0297+500**

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	2305.5	Square Meters (m2)
CW2	2058	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	18,297.62142	7,936.50897
CW2	11,102.37858	5,394.74178
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

06/21/2023

Planned End Date

03/02/2024

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

06/21/2023

Planned End Date

03/02/2024

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 6000.67 square meters to 2305.5 square meters and addition of a new component CW2 – Construction of Road Slope Protection Structure with a physical target of 2,508 square meters due to the following:

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- Unit costs for CW1 increased due to the urgent need to also 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, and to provide concrete barriers for the safety of both motorists and passer-bys.
- 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 were identified as critical.
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- See attached Certificate of Reasonableness of 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, 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)

Name:


MARJORY B. BANAQ

Position:

OIC - Chief, Planning and Design Section

Date:

Name:


ANGELITA B. MABITAZAN

Position:

Chief, Planning and Design Division

Date:

37. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name:


REX K. OYA-OY

Position:

OIC – District Engineer

Date:

39. RECOMMENDED BY REGIONAL OFFICE

Name:


KHADAFFY D. TANGGOL

Position:

Regional Director

Date:

Tables for Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

310208100508000

Project Id


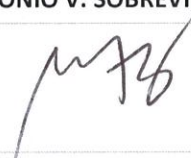
P00712270LZ

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	Project Manager I
Date:	5/19/23	5/19/23

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:	5/12/23	Date:	

ANNEX A: Project Work Location Details for National Roads

Component ID	Section ID	Start Limit		End Limit		Start Chainage	End Chainage	Length (m)	Type of Work	Detail Scope of Work	Target Unit	Physical Target
		LRP + Disp	LRP + Disp	LRP + Disp	LRP + Disp							
CW-1	S00373LZ	K0296+000	K0297+500	K0297+500	K0297+500	34024	35525	1501	Off-Carriageway Improvement: Paving of Shoulders	1. Paving of Shoulders 2. Drainage Works (Curb and Gutter, Line Canal) 3. Road Safety Feature (Concrete Barrier (RS))	square meter	2305.5
CW-2	S00373LZ	K0296+000	K0297+500	K0297+500	K0297+500	34024	35525	1501	Construction of Road Slope Protection Structure	1. Slope protection works (Grouted Riprap (LS))	square meter	2058