

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

Manila



June 25, 2024

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:

 Convergence and Special Support Program- Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239 Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0265 + 353, Barangay Caponga, Tublay, Benguet -- - P2,700,000.00

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 dealtywith accordingly.

REY PETEK B. GILLE, D.M.

Assistant Secretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII, and XIII

2.3 mksa/AVS/RPBG/ERP

Website: https://www.dpwh.gov.ph Tel. No(s).: 5304-3000 / (02) 165-02



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Project Modification of	Allahmank undan M	CAA D	Franklan Farms
Project Modification of	AUDTMENT UNDER TR	ne GAA Renilest	Evaluation Form

		*			Date of Evaluation:		06/14/2024
•		P/A/P1(001, 002, CSSP, LP):		Appropriation Source:	F	Y 2024 GAA
· .	* CONVERGENCE AND SPECIAL SUPPORT PROGRAM			UACS:	3002	214100971000	
		P/A	P 2 (Program):		Project ID:	PC	00837480LZ
Spe	cial R	oad Fund - Motor Vehic	le User's Charge (MVUC) as	per R.A. 11239	Region:	Cordillera	Administrative Region
	P/A/P 3 (Sub-Program):				Implementing Office:	Benguet 2r	nd District Engineerin Office
			100		Appropriation (Php):		2,700,000
f Project	per G	AA:					
Applic	cation	of Pavement Markings	along Baguio-Bontoc Road -	K0262 + 000- K026	3 + 183, Barangay	Caponga, Tu	ublay, Benguet
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	B.1.2	Change in Location only)	(for <u>non-existent locations</u>	B.1.4 Additio	in/ Deletion of Word/s		
B.2	1		N/ADJUSTMENTS ON PROJE				
	*	PROJECT MODIFICATIO	M/ADJUSTMENTS ON PROJE	ECT COMPONENTS			
	D 2 1	Change in Taxanta	022 /] _C	********		
	B.2.1	Change in Targets		Change in Component			
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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





May 28, 2024

MEMORANDUM

FOR

: EUGENIO R. PIPO, JR.

Undersecretary for Regional Operations in CAR, Regions I, II, IX, X, XI, and XIII

This refers to the memorandum dated May 20, 2024 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 2024 GAA, to wit;

	As per GAA/Origi	nal		As Modified	
		Project D	escription		
UACS No. : 30 Project ID: PO	0214100971000 0837480LZ	-	·		
	nd Special Support Pro 'ehicle Users Charge			nd Special Support Pr Vehicle Users Charge	
	Pavement Markings a - 000 - K0263 + 183, t			Pavement Markings + 000 - K0265 + 353 et	
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Pavement markings / 1,200 lineal meters	₱ 2,205/ Lineal meters	₱ 2,646,000.00	CW1- Road Safety: Pavement markings / 3,400 lineal meters	P 496.32/ Lineal meters	P 1,687,500.00
			CW2- Road Safety: Guardrails / / 451 lineal meters	P 2,125.28/ Lineal meters	P 958,500.00
EAO	-	₱ 54,000.00	EAO	-	₱ 54,000.00
	Total:	P 2,700,000.00		Total:	P 2,700,000.00

Justification:

The increase in the physical target for CW1 – Road Safety: Pavement Marking from 1,200 lineal meters to 3,400 lineal meters and the addition of new component CW2 – Road Safety: Guardrails are due to the following:

- The provided allocation is more than enough to complete the lacking pavement markings; thus, the station limit was extended in order to include the adjacent section that has no markings. Consequently, the physical target also increased.
- Since the majority of the section is along school zones, business and residential areas, the installation of pedestrian guardrails along the existing sidewalk from K0262+000 to K0263+183 is deemed necessary to further ensure the safety of end-users; thus, the need to add a new component, CW2 – Road Safety: Guardrails.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA).

94-60-202405-01966

UACS No.: 300214100971000 Project ID: P00837480LZ

Page 2 of 2

• 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, Straight Line Diagram, Environmental Clearances, Source Map, 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.

REY PETER B. GILLE, D.M.

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

APPROVED/DISAPPROVED+

Undersectedary for Regional Operations in CAR, Regions I, II, IX, X, XI, and XIII

2.3 mksa/MLS/AVS/RPBG/ERP



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

Manila



June 10, 2024

MEMORANDUM

FOR

: Director ALEX G. BOTE

Planning Service This Department



SUBJECT

: Inclusion of Road Safety Features in Projects with Costing More

Than 10%

This is with reference to your memorandum dated June 3, 2024, forwarding the memorandum of District Engineer Rex K. Oya-oy, dated May 13, 2024 requesting for the approval of modification for road safety project in the amount of Php 2,700,000.00 for the Application of Pavement Markings along Baguio - Bontoc Road - K0262+000 to K0265+353, Barangay Caponga, Tublay, Benguet which is under the jurisdiction of Benguet 2nd District Engineering Office.

Per evaluation, the following were noted:

- a. The road section was generally on flat topography. The alignment is relatively straight with occasional sections of horizontal curves with notable sufficient radius of curvature. Under this type of road environment, good delineation can be achieved using standard signs and pavement markings.
- b. The proposed signs for pedestrian crossing, Advance Warning Signs (W6-1 and W6-2) and Crossing Regulatory Signs (R6-8 and R6-9) and pedestrian railings are consistent with the criteria of the DPWH Highway Safety Design Standards Part 1: Road Safety Design Manual and Part 2: Road Signs and Pavement Markings Manual, 2012 Edition.

In view thereof, the following compliant road safety programs are being recommended for implementation:

- a. Thermoplastic pavement markings
- b. Pedestrian crossing signs (advance warning and regulatory signs)
- c. Pedestrian railings



Website: https://www.dpwh.gov.ph L Tel. Nos.: 5304-3000/(02)165-02 · For your information and appropriate action.

JONATHAN L. ARAULLO

OIC Bureau Director

Bureau of Quality and Safety

Encl: As stated

Cc: Undersecretary ADOR G. CANLAS

For Technical Services and Information Management Service

Assistant Secretary REY PETER B. GILLE, D.M.

For Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII

Regional Director KHADAFFY D. TANGGOL DPWH, Cordillera Administrative Region Engineer's Hill, Baguio City

District Engineer REX K. OYA-OY DPWH, Benguet 2nd District Engineering Office Natubleng, Buguias, Benguet

15.1.3 MDR/GAM/JLA



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

Manila



0 3 JUN 2024 MEMORANDUM

FOR

OIC - DIRECTOR JONATHAN L. ARAULLO

Bureau of Quality and Safety

This Department

This has reference to the dated 20 May 2024, of Regional Director Khadaffy D. Tanggol, DPWH-CAR, endorsing the memorandum dated 13 May 2024, of District Engineer Rex K. Oya-oy, Benguet 2nd District Engineering Office, requesting for the Modification of the project under CSSP: Special Road Fund – Motor Vehhicle User's Charge (MVUC), of the FY2024 General Appropriations Act, R.A. 11975, to wit:

As per GAA/Original			As Modified			
		Project I	Description			
Application of Pave Bontoc Road - K02 Barangay Caponga	62 + 000- K026	3 + 183,	Bontoc Road -	avement Markings K0262 + 000 - ga, Tublay, Bengue	K0265 + 353,	
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost	
CW1- Road Safety: Pavement Markings / 1,200 lineal meters	₱ 2,205 / lineal meters	₱ 2,646,000	CW1- Road Safety: Pavement Markings / 3,400 lineal meters	₱ 496.32 / No. of Units	₱ 1,687,500	
			CW1- Road Safety: Guardrails/ 451 Lineal meters	P 2,125.28/ Lineal Meters	P 958,500	
EAO	-	₱ 54,000	EAO	=	₱ 54,000	
	Total:	₱ 2,700,000		Total:	P 2,700,000	

In this regard, we are forwarding the said request for your evaluation, recommendation and approval for project with Miscellaneous Structure costing more than 10% of the total project cost, in reference to attached memorandum dated 06 December 2022, of Secretary Manuel M. Bonoan, this Department, reiterating the memorandum dated 17 October 2022, regarding the inclusion of Road Safety Features in Projects.

Please coordinate your concern and requirements directly with the Implementing Office and submit your report/recommendation to this office immediately for the processing of the project modification.

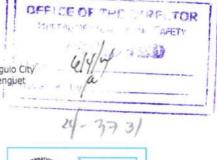
r XV, Planning Service

Regional Director **KHADAFFY D. TANGGOL**, Regional Offie CAR, Engineer's Hill, Baguio City DE **REX K. OYA-OY**, Benguet 2nd District Engineering Office, Natubleng, Buguias, Benguet

Encl: Modification Requests w/ support docs - P00837480LZ

4.1.3 AMN/FBM/PRC BQS-CAR-073_P00837480LZ

Website: https://www.dpwh.gov.ph
Tel. No(s).: 5304-3000 / (02) 165-02





Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

CORDILLERA ADMINISTRATIVE REGION

Engineer's Hill, Baguio City



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: Convergence and Special Support Program (CSSP): Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239 - Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0263 + 183, Barangay

Caponga, Tublay, Benguet

We are respectfully forwarding the Memorandum dated May 13, 2024 from OIC-District Engineer Rex K. Oya-oy, Benguet 2nd District Engineering Office, regarding the modification of the above project in the amount of **Two Million Seven Hundred Thousand Pesos (Php 2,700,000,00)** as indicated below:

	FROM	ТО	
Project ID	P00837480LZ		
Project Title	Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0263 + 183 , Barangay Caponga, Tublay, Benguet	Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0265 + 353, Barangay Caponga, Tublay, Benguet	
Type of Work	CW1 – Road Safety: Pavement markings	markings CW2 – Road Safety: Guardrails	
Physical Target	CW1 - 1,200.000 Lineal Meters	CW1 – 3,400.000 Lineal Meters CW2 – 451.000 Lineal Meters	
Allocation	CW1 – Php 2,646,000.00 EAO – Php 54,000.00	CW1 – Php 1,687,500.00 CW2 – Php 958,500.00 EAO – Php 54,000.00	

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/AOD



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BENGUET 2ND DISTRICT ENGINEERING OFFICE Natubleng, Buguias, Benguet, Cordillera Administrative Region



May 13, 2024

MEMORANDUM

FOR

: KHADAFFY D. TANGGOL

Regional Director

THRU

: ARNOLD O. DACWAG

OIC - Chief, Planning and Design Division

SUBJECT

 Submission of Requirements for FY 2024 Modification of the project, Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239 - Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0263 + 183, Barangay Caponga, Tublay,

Benguet

Respectfully submitting the requirements for the modification of the FY 2024 project: "Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239 - Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0263 + 183, Barangay Caponga, Tublay, Benguet" for your endorsement.

	FROM			то	
		Project D	escription		
UACS No.: 3002: Project ID: P008					
Special Road Fund (MVUC) as per R.A.		cle User's Charge	Special Road Fund (MVUC) as per R.A.		cle User's Charge
Application of Pavement Markings along Baguio-Bontoc Road - K0262 + 000 - K0263 + 183 , Barangay Caponga, Tublay, Benguet			Application of Paver Road - K0262 + 000 Tublay, Benguet		
Physical Target CW-1: Road	Unit Cost	Allocation	Physical Target CW-1: Road	Unit Cost	Allocation

Physical Target	Unit Cost	Allocation	Physical Target	Unit Cost	Allocation
CW-1: Road Safety: Pavement Markings			CW-1: Road Safety: Pavement Markings		
1,200 ln.m	₽ 2,205.00	₽ 2,646,000.00	3,400 ln.m	₽ 496.32	₽ 1,687,500.00
			CW-2: Road Safety: Guardrails		
			451 ln.m	₽ 2,125.28	₽ 958,500.00
EAO (2%)		₽ 54,000.00	EAO (2%)		₽ 54,000.00
TOTAL		₽ 2,700,000.00	TOTAL		₽ 2,700,000.00

For your review.

OIC - District Engineer

CAR.17.1/VBC/LDR/EPM

Website: https://www.dpwh.gov.ph
E-mail Address: dpwhcarbng2@gmail.com





	(
Modification Request Form	

	A. GENERAL	
1. REGION	2. DEO	3. LEGISLATIVE DISTRICT
Cordillera Administrative Region	Benguet Second District Engineering Office	BENGUET (LONE DISTRICT)

B. ORIGINAL PROJECT

C. PROPOSED REVISED PROJECT

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

300214100971000

5. Project Id

P00837480LZ

6. Project Category

Convergence and Special Support Program

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

Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239

8. Operating Unit

Benguet Second District Engineering Office

9. Type of Work (Enter Details for all Components below)

Component ID Type of Work

CW1 Road Safety: Pavement markings

10. PROJECT DESCRIPTION (as recorded in GAA)

Application of Pavement Markings along Baguio-Bontoc Road -K0262 + 000 - K0263 + 183, Barangay Caponga, Tublay, Benguet

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

2,700

18. Operating Unit (Change subject to DBM approval)

Benguet Second District Engineering Office

19. Type of Work (Enter Details for all Components below)

Component ID Type of Work

CW1 Road Safety: Pavement markings

CW₂ Road Safety: Guardrails

20. PROJECT DESCRIPTION (of the revised project)

Application of Pavement Markings along Baguio-Bontoc Road -KO262 + 000 - KO265 + 353, Barangay Caponga, Tublay, Benguet

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

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

GAA allotment)

from Financial Management office)

⊠YES 2,700

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

Component ID Target **Target Unit** 1,200 CW1 Lineal Meters (lm)

Component ID Target CW1 3,400

Lineal Meters (lm)

Target Unit

22. CAF (To be obtained

CW2

451

Lineal Meters (Im)

13. UNIT COST (Enter Details for all Components below)

Target Unit Cost Component Cost Component ID (P'000) (P'000/Target Unit) CW1 2,646 2.20500

EAO 54.00 Component ID

CW1

Target Unit Cost Component Cost (P'000) (P'000/Target Unit)

1,687.5 CW₂ 958.5 0.49632

EAO 54.00 2.12528

14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014)

Application of Pavement Markings along Baguio-Bontoc Road -K0262 + 000 - K0263 + 183

(S00373LZ)

25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A"

24. UNIT COST (Enter Details for all Components below)

for National Road projects under OO-1 and MVUC)

Application of Pavement Markings along Baguio-Bontoc Road -K0262 + 000 - K0265 + 353

(S00373LZ)

Start X End X End Y Start Y

Start X

End X

End Y Start Y



Modification Request Form

est	Form	

15.	ROAD	CLASSIFICATION	(if	ap	plicable)
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Secondary Road

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

05/20/2024

07/13/2024

26. ROAD CLASSIFICATION (if applicable)

Secondary Road

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

06/10/2024

08/03/2024

29. OVERLAP?

30. UNDER WARRANTY?

X NO

□ YES

⊠ 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)

The increase in the physical target for CW1 – Road Safety: Pavement Marking from 1,200 lineal meters to 3,400 lineal meters and the addition of new component CW2 – Road Safety: Guardrails are due to the following:

- The provided allocation is more than enough to complete the lacking pavement markings; thus, the station limit was extended in order to include the adjacent section that has no markings. Consequently, the physical target also increased.
- Since the majority of the section is along school zones, business and residential areas, the installation of pedestrian guardrails along the existing sidewalk from K0262+000 to K0263+183 is deemed necessary to further ensure the safety of end-users; thus, the need to add a new component, CW2 Road Safety: Guardrails.
- 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, Straight Line Diagram, Environmental Clearances, Source Map, Certificate of Reasonableness of Unit Cost, and Evaluation from the BOC.

33. PHOTOS SUBMITTED

□ NO

⊠ YES

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

□ NO

⊠ YES

Modification Request Form

35. PREPARED BY:

Name:

Position:

Engineer II

Office:

Benguet 2nd District Engineering Office

Date:

36. REVIEWED BY DISTRICT OFFICE (If Required)

38. REVIEWED BY REGIONAL OFFICE

Name:

E D. ROMERO

Name:

ACWAG

Position:

OIC - Chief, Planning and Design Section

Position:

Planning and Design Division

Date:

Date:

37. RECOMMENDED BY DISTRICT OFFICE (If Required)

39. RECOMMENDED BY REGIONAL OFFICE

Name:

Position:

Name:

ANGGOL

Position:

Regiona Director

Date:

Modification Request Form

UACS (Unified Account Code Structure as defined in GAA) 300214100971000

Project Id

40. DPWH	OFFICE OF THE UNDERSE	CRETARIES FOR OPERAT	TIONS
r Request (based on	Category of Modification	: (choose one)	
Category B	Category C	Category D	Impact
Sections Change in Stat Limits	Municipality	☐ Change in (IO), requiring a change in the (OU)	 □ No change or decrease in unit cost □ 20% or less increase in unit cost □ > 20% increase in unit cost
Reviev	ved by Office of the Unde	rsecretary for Operation	ns
Engr. MANUEL IL SIN	IGSON	Engr. ANTONIO	v. sobreyiñas, jr.
Project Manager	1/24	Project Manager	J/28/24
1//	41. DPWH PLANN	NG SERVICE	4/11/
fication	ategory B — Change in Stat ategory C — Change in Loca ategory D — Change in Ope	ion Limits ation, due to non-existin erating Unit (requires DB	M approval)
	Reviewed by Plan	ning Service	
ANNA ANDREA M. I	NOCHE Name	e: PETER PAUL R. C	ORTEZ
Andm	Signa	ture: fents	
NAC 1833 103			gramming Division
	Category B Overlapping Sections Change in Stat Limits Change in Phy Target Figure Manager Project Manager Gration Appropriate ANNA ANDREA M. M. ANNA ANDREA M. M.	Category B Category C Overlapping Sections Change in Station Limits Change in Physical Target Category A - Typographical Category B - Change in Station Category A - Typographical Category B - Change in Station Category C - Change in Local Category C - Change in Local Category C - Change in Local Category D - Change in Ope Modification does not comp Reviewed by Plant ANNA ANDREA M. NOCHE Name Signa Regional Coordinator Positi	Overlapping

ANNEX A: Project Work Location Details for National Roads

Component	Section ID	Start Limit LRP + Disp	End Limit LRP + Disp	Start Chainage	End Chainage	Length (m)	Type of Work	Detail Scope of Work	Target Unit	Physical Target
CW1	S00373LZ	K0262+000	K0265+353	0	3401	3401	Road Safety: Pavement Markings	Application of Pavement Markings (Edge Lines, Center Line, Rumble Strips, Intersection Marking, Pedestrian Crossing), Installation of Various Road Signs (Pedestrian and School Sign, Children Crossing Ahead)	Lineal meter	3400
CW2	S00373LZ	K0262+000	K0263+183	0	1212	1212	Road Safety: Guardrails	Installation of pedestrian railings.	Lineal meter	451