

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



June 25, 2024

## MEMORANDUM

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**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 **<u>APPROVED</u>** 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 dealty with accordingly.

**REY PETER 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



R-073

M989

	<u>P10</u>	ject Modification of Allotm	ent under the GAA R			
1				Date of Evaluation:		06/14/2024
	P/A/P 1 (00	01, 002, CSSP, LP):		Appropriation Source:	F	FY 2024 GAA
•.	CONVERGENCE AND	SPECIAL SUPPORT PROGRA	М	UACS:	300	214100971000
	P/A/P	2 (Program):		Project ID:	P	200837480LZ
Special F	Road Fund - Motor Vehicle	User's Charge (MVUC) as	per R.A. 11239	Region:	Cordillera Administrative Region	
	P/A/P 3	(Sub-Program):		Implementing Office:	Benguet 2	nd District Engineering Office
				Appropriation (Php):		2,700,000
of Project per (	GAA:					
Application	n of Pavement Markings al	ong Baguio-Bontoc Road -	К0262 + 000- К026	53 + 183, Barangay	Caponga, T	ublay, Benguet
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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 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	inal		As Modified	
		Project D	escription		
UACS No. : 30 Project ID: P0	0214100971000 0837480LZ	-			
	nd Special Support Pro l'ehicle Users Charge	ogram - Special Road (MVUC) as per R.A.			ogram - Special Road (MVUC) as per R.A.
	- 000 - K0263 + 183,	along Baguio-Bontoc Barangay Caponga,		- 000 - <b>K0265 + 35</b> 3	along Baguio-Bontoc 3, Barangay Caponga,
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 / <b>3,400</b> 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:	₱ 2,700,000.00		Total:	₽ 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).

AU-00-202405-01966

UACS No.: 300214100971000 Project ID: P00837480LZ

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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, 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+

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

2.3 mksa/MLS/AVS/RPBG/ERP



## 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 2<sup>nd</sup> 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



Inclusion of Road Safety Features in Projects with Costing More Than 10% Page  ${\bf 2}$  of  ${\bf 2}$ 

· For your information and appropriate action.

JON . ARAULLO THAN 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 2<sup>nd</sup> 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

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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 2<sup>nd</sup> 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:

Asp	er GAA/Origin	nal	As Modified				
		Project D	Description				
Application of Pave Bontoc Road - K02 Barangay Caponga	62 + 000- K026	3 + 183,					
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 / <b>3,400</b> lineal meters	₽ <b>496.32</b> / No. of Units	₱ 1,687,500		
		CV Gu 45	CW1- Road Safety: Guardrails/ <b>451</b> Lineal meters	P 2,125.28/ Lineal Meters	₽ 958,500		
EAO	-	₽ 54,000	EAO	-	₱ 54,000		
	Total:	₽ 2,700,000		Total:	₽ 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.

OFFICEOF RE TOR BOTE AFETY Difec r IV. Planning Service Regional Director KHADAFFY D. TANGGOL, Regional Offie CAR, Engineer's Hill, Baguio City CC DE REX K. OYA-OY, Benguet 2<sup>nd</sup> District Engineering Office, Natubleng, Buguias, Benguet Encl: Modification Requests w/ support docs - P00837480LZ 4.1.3 AMN/FBM/PRC 3 BQS-CAR-073\_P00837480LZ Website: https://www.dpwh.gov.ph SO 9001 Tel. No(s).: 5304-3000 / (02) 165-02

SOCOTEC



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



May 20, 2024

### 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 2<sup>nd</sup> 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 - <b>K0263 + 183</b> , 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	CW1 – Road Safety: Pavement 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	<b>CW1 – Php 2,646,000.00</b> EAO – Php 54,000.00	<b>CW1 – Php 1,687,500.00</b> <b>CW2 – Php 958,500.00</b> 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.

KHADAFF **TANGGOL** Regional Director

CAR.1 DLBC/EFD/JWC/AOD

Website: https://www.dpwh.gov.ph & Tel. Nos.: (074) 444-8838 / 444-6460





Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS BENGUET 2<sup>ND</sup> 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	Description					
UACS No. : 30021 Project ID : P008								
Special Road Fund (MVUC) as per R.A.		cle User's Charge	Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239					
Application of Paven Road - K0262 + Caponga, Tublay, Be	000 - <b>K0263</b>		Application of Paven Road - K0262 + 000 · Tublay, Benguet					
Physical Target	Unit Cost	Allocation	Physical Target	Unit Cost	Allocation			
CW-1: Road			CW-1: Road					
Safety: Pavement			Safety: Pavement					
Markings			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.

ct Engineer CAR.17.1/VBC/LDR/EPM

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



Modification	Request	Form
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			Request Form		DPWH-QMSP-03-01 Rev (	
	A STATISTICS STATISTICS IN	A. GEI	NERAL			
1. REGION		2. DEO			GISLATIVE DISTRICT	
Cordillera Admini	strative Region	Benguet Second D	istrict Engineering Off	fice BEN	GUET (LONE DISTRICT)	
Sara S.	B. ORIGINAL PROJE	ст	C. P	ROPOSED REV	ISED PROJECT	
4. UACS (Unified A 300214100971000	Account Code Structure D	e as defined in GAA)				
<b>5. Project Id</b> P00837480LZ						
6. Project Categor Convergence and	<b>'Y</b> Special Support Program	m				
7. Sub-Program (P	P/A/P)					
		Charge (MVUC) as per R	.A. 11239			
8. Operating Unit			18. Operating Unit (	Change subje	ct to DBM approval)	
Benguet Second D	istrict Engineering Offic	ce	Benguet Second Dis	trict Engineeri	ng Office	
9. Type of Work (I	Enter Details for all Cor	mponents below)	19. Type of Work (E	nter Details fo	or all Components below)	
Component ID	Type of Work		Component ID	Type of Work	¢	
CW1	Road Safety: Pavem	ent markings	CW1	Road Safety: Pavement markings		
			CW2	Road Safety:	Guardrails	
Application of Pav		in GAA) g Baguio-Bontoc Road - bonga, Tublay, Benguet		ment Marking	revised project) s along Baguio-Bontoc Road gay Caponga, Tublay, Bengue	
	P'000) (as recorded in		21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment)22. CAF (To be obtain from Financial Management office)			
			2,700	-	⊠YES	
		all Components below)			ils for all Components belov	
Component ID	Target	Target Unit	Component ID	Target	Target Unit	
CW1	1,200	Lineal Meters (Im)	CW1	3,400	Lineal Meters (Im)	
			CW2	451	Lineal Meters (Im)	
13. UNIT COST (Er	nter Details for all Com		24. UNIT COST (Ente	er Details for a	Ill Components below)	
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component ( (P'000)	Cost Target Unit Cost (P'000/Target Unit)	
CW1	2,646	2.20500	CW1	1,687.5	0.49632	
			CW2	958.5 /	2.12528	
EAO	54.00		EAO	54.00		
accordance with I	<b>RK LOCATION</b> (Must be DO 65 Series 2014)		accordance with DC	0 65 Series 201	lust be defined in strict 14. Also complete "ANNEX A	
Application of Pav K0262 + 000 - <b>K02</b> (S00373LZ)	ement Markings along 1 <b>63 + 183</b>	Baguio-Bontoc Road -	for National Road projects under OO-1 and MVUC) Application of Pavement Markings along Baguio-Bontoc Roa K0262 + 000 - K0265 + 353 (S00373LZ)			
(/						
Start X	End X		Start X	E	nd X	

	Modification	n Reques	t Form		DPWH-QMSP-03-01 Rev 0	
15. ROAD CLASSIFICATION	(if applicable)	26. ROAD CLASSIFICATION (if applicable)				
Secondary Road		Secondary Road				
16. IMPLEMENTING OFFICE of the original project)	(Record the Implementing Office		MENTING OFFI	entro de la contra contra de la	mplementing Office	
Benguet Second District Eng	Benguet Second District Engineering Office					
17. PROJECT IMPLEMENTA	TION PLAN (PIP)	28. PROJE		TATION PLAN (P	IP)	
Planned Start Date	Planned End Date	Planned Start Date Pla		Planned E	nned End Date	
05/20/2024	07/13/2024	06/10/2024		08/03/2024		
		29. OVER	LAP?	30. UNDER	R WARRANTY?	
		NO NO	□ YES	⊠ NO	□ YES	

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

* ¥ (1))	·	PARED BY:	
Name: Office:	ANESSA B. CHAN Benguet 2nd District Engineering Office	Position: Engineer II Date:	
36. R	EVIEWED BY DISTRICT OFFICE (If Required)	38. REVIEWED E	BY REGIONAL OFFICE
Name: Position: Date:	LAWRENCE D. ROMERO OIC - Chief, Planning and Design Section	Name: ARNOLO .DAC Position: OIC Onief Plann Date:	WAG ning and Design Division
37. REC	OMMENDED BY DISTRICT OFFICE (If Required)	39. RECOMMENDE	D BY REGIONAL OFFICE
Name: Position: Date:	REX K. OFA-OY OIC – District Engineer	Name: KHADAFFYD.TA Position: Regional Director Date:	

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

#### 300214,1003

# Project Id

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P00837480LZ

	40. DPWH OFFIC	E OF THE UNDERSECT	RETARIES FOR OPERAT	TIONS
Primary Reason fo	or Request (based on Categ	ory of Modification): (	choose one)	
Category A	Category B	Category C	Category D	Impact
<ul> <li>Typographical error on Project Description</li> </ul>	<ul> <li>Overlapping Sections</li> <li>Change in Station Limits</li> <li>Change in Physical Target</li> </ul>	<ul> <li>No such Barangay</li> <li>No such City or Municipality</li> </ul>	<ul> <li>Change in (IO), requiring a change in the (OU)</li> </ul>	<ul> <li>No change or decrease in unit cost</li> <li>20% or less increase in unit cost</li> <li>&gt; 20% increase in unit cost</li> </ul>
	Reviewed by	y Office of the Unders	ecretary for Operation	ns
Name:	Engr. MANUEL L SINGSON	4	Engr. ANTONIO	V. SOBREVIÑAS, JR.
Signature			h	78
Position:	Project Manager		Project Manager	112 , ,
Date:	129/24		V	5/28/24
Sec. 1		41. DPWH PLANNING	G SERVICE	/ / /
Category of Modif (please check the	fication Categor appropriate)	ry A – Typographical Er ry B – Change in Statio ry C – Change in Locati ry D – Change in Opera ation does not comply	n Limits on, due to non-existin nting Unit (requires DB	M approval)
	1	Reviewed by Planni	ng Service	
Name:	ANNA ANDREA M. NOCH	E Name:	PETER PAUL R. C	ORTEZ
Signature	And	Signatu	re: fenfe	/
Position:	Regional Coordinator	Position	n: OIC - Chief of Pro	gramming Division
Date:	0/14/24	Date:		

# ANNEX A: Project Work Location Details for National Roads

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Component	Section	Start Limit	End Limit	Start	End	Length	Type of Work	of Work Detail Scope of Work		Physical
ID	ID	LRP + Disp	LRP + Disp	Chainage	Chainage	(m)	Type of work	Detail Scope of Work	Unit	Target
CW1	500373LZ	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