

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



May 6, 2024

### MEMORANDUM

TO : Regional Director KHADAFFY D. TANGGOL DPWH – Region CAR Engineer's Hill, Baguio City

ATTENTION : OIC-District Engineer REX K. OYA-OY Benguet 2nd District Engineering Office Buguias, Benguet

Transmitted herewith are the **<u>APPROVED</u>** requests for the **modification** of hereunder stated projects:

- OO1: Ensure Safe and Reliable National Road System Asset Preservation -Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - Abatan-Mankayan-Cervantes Rd - K0341+940 -K0341+965, K0346+620 - K0346+722 - - ₱5,590,000.00
- OO1: Ensure Safe and Reliable National Road System Asset Preservation -Construction/ Upgrading/ Rehabilitation of Drainage along National Roads -Secondary Roads - Cong. Andres Acop Cosalan Rd - K0348+950 - K0350+250, K0353+900 - K0354+150, K0360+250 - K0360+500, K0361+470 - K0361+520, K0362+350 - K0362+500 - - P16,262,000.00
- 3. OO1: Ensure Safe and Reliable National Road System Asset Preservation Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide Secondary Roads Cong. Andres Acop Cosalan Rd K0348+510 K0348+535, K0364+030 K0364+065 - ₱5,350,000.00

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 dealer 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 LDAM/AVS/RPBG/ERP



DPWH-QMSP-03-02 Rev 02

Control No: CAR-035

MITO

	Project Modification of Allotment under the GA	A Poquost Evaluation	
		Date of Evaluation:	
4 1	P/A/P 1 (001, 002, CSSP, LP):	Appropriation Source:	FY 2024 GAA
ORGANIZATIONAL	LOUTCOME 1 : Ensure Safe and Reliable National Road System	UACS:	310108101818000
	P/A/P 2 (Program):	Project ID:	P00802673LZ
	Asset Preservation Program	Region:	Cordillera Administrative Region
	P/A/P 3 (Sub-Program):	Implementing Office:	Benguet 2nd District Engineering Office
Rehabilitation/ Reco	onstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads	Appropriation (Php):	5,350,000
Implementing Office A Justification for	<ul> <li>Andres Acop Cosalan Rd - K0348 + 510 - K0348 + 538</li> <li>The change in station limits due to the topsoil at K0348+973 - K0348 revealed a stable rock slooe thus there is no need to onstruct road skie.</li> <li>The removal of CW2 - Rehabilitation / Major Repair of Road Slope Pr structure for rehabilitation completely collapsed rendering it unrepaira increased.</li> </ul>	9+000 was washed of ope protection structure wa	ut durina the previous monsoons an re. is necessary since the existing
Modification:	<ul> <li>The increase in the unit cost of CW1 is due to the change in the des Furthermore, the height was increased from 6m to 7m and 8m at K03 respectively, in order to fully protect the slope and in order to reach a</li> </ul>	348+510 -K0348+535	and at K0364+030 -K0364+065
A.1 Certifi Estim	approved by DD Khadaff, D T	anggol_dated: <u>Marc</u>	h 20, 2024
B. <u>PER PLANNING SE</u>	/ RVICE EVALUATION		
B.1 🗸 PROJ	ECT MODIFICATION ON PROJECT DESCRIPTION		
B.1.1	Typographical Error/s B.1.3 🗸 Change	in Station Limits	
B.1.2	Change in Location (for <u>non-existent locations</u> B.1.4 Addition	/ Deletion of Word/s	
B.2 🗸 PROJ	ECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS	5	

#### CATION/ADJUSTMENTS ON PROJECT COMPONENTS

B.2.1	$\checkmark$	Change in Targets	B.2.3	$\checkmark$	Chang	e in Component Amount
B.2.2		Change in Scope of Work		B.2.3.1		Addition of Component (including excess amount)
				B.2.3.2	$\checkmark$	Deletion of Component
				B.2.3.3		Movement of Funds between Components
FSIII TANT A	ETED N	AODIEICATION				

### C. RESULTANT AFTER MODIFICATION

C.1 Additional Project Component/s

C.2 Component/s:

COMP			TA	INCREASE/ DECREASE (%)		
	FROM	ТО	FROM	ТО	Unit Cost	Target
CW1	Construction of Road Slope Protection Structure	Construction of Road Slope Protection Structure	336.060 sq. meters	439.0 sq. meters	10.69%	30.63%
CW2	Rehabilitation / Major Repair of Road Slope Protection	-	150.0 sq. meters	<u> </u>	-	-
CW3	-	-	-	- ( - ) - ) -	-	-
CW4	-	-	-		-	-

#### D. AS EVALUATED

D.1  $\checkmark$  ALLOWED as per the GAA Provisions

D.2 ]NOT ALLOWED as per the GAA Provisions

D.3 <u>Remarks (to be filled-up by Planning Ser</u>	vice):
<ul> <li>CW1 targets and unit cost in</li> <li>Change in station Limits - W</li> </ul>	creased simultaneously due to the deletion of non-major component (CW2) ith Straight-Line Diagram
Evaluated By:	ALEK CABOTE CONSTANTE A. LLANES JR. CESO III Assistant Secretary, Planning Service
E. Approving Authority as per latest Approve	d Guidelines on Modification of Allotment under the GAA
E.1 Secretary	
E.2 VIndersecretary for Operations	
	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

> CENTRAL OFFICE Manila



April 2, 2024

#### MEMORANDUM

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

This refers to the memorandum dated April 1, 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;

A	s per GAA/Orig	ginal	As Modified			
		Project I	Description			
UACS No. : 310 Project ID: P00		).				
OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads		Asset Preservatio	n - Rehabilitatior ith Slips, Slope Co	tional Road System - n/ Reconstruction of Ilapse, and Landslide		
Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, K0348+973 - K0349+000			Cong. Andres A K0348+535, <b>K03</b>		d - K0348+510 - <b>4+065</b>	
Type of Work / Physical Target	Unit Cost	Allocation	Type of Work / Physical Target	Unit Cost	Estimated Cost	
CW1 - Construction of Road Slope Protection Structure / 336.06 Square meters	₱ 10,789.74 / Square meters	₱ 3,626,000.00	CW1- Construction of Road Slope Protection Structure / <b>439</b> Square meters	P 11,943.05 / Square meters	₱ 5,243,000.00 ´	
CW2 - Rehabilitation / Major Repair of Road Slope Protection Structure / 150 Square meters	₱ 10,780.00 / Square meters >	₱ 1,617,000.00				
EAO	_	₱ 107,000.00	EAO		₱ 107,000.00	
	Total:	₱ 5,350,000.00		Total:	₱ 5,350,000.00	

#### Justification:

Change in station limits and increase in physical target of CW1 – Construction of Road Slope Protection Structures from 336.060 square meters to 439 square meters and the removal of CW2 – Rehabilitation / Major Repair of Road Slope Protection Structure are due to the following:

The change in station limits was deemed essential since the topsoil at K0348+973 – K0349+000 was
washed out during the previous monsoons and revealed a stable rock slope thus, there is no need to



# UACS No.: 310108101818000 Project ID.: P00802673LZ

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e a	UACS No.: 310108101810000 Project ID.: P00802673LZ	
	Page 2 of 2	
	<ul> <li>construct road slope protection structure. The existing structure at the new station limit K0364+030 – K0364+065 completely caved in. The existing sidewalk and barrier that were previously sitting on top of the structure are now partially hanging, thus, the immediate construction of road slope protection structure along the section will prevent the collapse of the carriageway and its existing features.</li> <li>The removal of CW2 – Rehabilitation / Major Repair of Road Slope Protection Structure was deemed necessary since the existing structure for rehabilitation completely collapsed rendering it unrepairable. Consequently, the physical target of CW1 was increased.</li> <li>The increase in the unit cost of CW1 is due to the change in the design of the structure from stone masonry to ribwall. Furthermore, the height was increased from 6m to 7m and 8m at K0348+510 – K0348+535 and at K0364+030 – K0364+065 respectively, in order to fully protect the slope and in order to reach a and at K0364+030 – K0364+065 respectively, in order to fully protect the slope and in order to reach and at K0364+030 – K0364+065 respectively.</li> <li>See attached Certificate of Reasonableness of Estimates approved by the Regional Director.</li> </ul>	
	<ul> <li>Based on our evaluation, the submitted request for modification of the said project is in order;</li> <li>Based on our evaluation, the submitted request for modification of the said project is in order;</li> <li>REY PETER B. GILLE, D.M.</li> <li>Assistant Secretary for Regional Operations in CAR, Begions I, II, IX, X, XI, XII and XIII</li> </ul>	
	RECOMMENDING APPROVAL: MARIA CATALINA E. CABRAL, Ph.D., CESO I Undersecretary for Planning and Public-Private Partnership Services	
	APPROVED/ <del>DISAPPROVED</del> :	
	EUGENIOR. PIPO, JR. Undersecretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII	
	IN SANS/RPBG/ERP	

2.3 mksa/MLS/AVS/RPBG/ERP



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CORDILLERA ADMINISTRATIVE REGION





April 1, 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: ORGANIZATIONAL OUTCOME 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads - Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, K0348+973 -K0349+000

We are respectfully forwarding the Memorandum dated March 22, 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 **Five Million Three Hundred Fifty Thousand Pesos (Php 5,350,000.00)** as indicated below:

	FROM	то
Project ID	P00802673LZ	
Project Title	Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, <b>K0348+973 - K0349+000</b>	Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, <b>K0364+030</b> - <b>K0364+065</b>
Type of Work	CW1 - Construction of Road Slope Protection Structure CW2 - Rehabilitation / Major Repair of Road Slope Protection Structure	CW1 - Construction of Road Slope Protection Structure
Physical Target	CW1 – <b>336.06</b> Square Meters CW2 – 150 Square Meters	CW1 – 439 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.

D. TANGGOL KHADA Regional Director

CAR.1 DLBC/EFD/JWC/ABM

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







March 22, 2024

### MEMORANDUM

- FOR : KHADAFFY D. TANGGOL Regional Director
- THRU : ANGELITA B. MABITAZAN Chief, Planning and Design Division
- SUBJECT : Submission of Requirements for FY 2024 Modification of the project, Rehabilitation / Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads along Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, K0348+973 - K0349+000

Respectfully submitting the requirements for the modification of the FY 2024 project: "Rehabilitation / Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads along Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, K0348+973 - K0349+000" for your endorsement.

	FROM			то	
		Project D	escription		
UACS No. : 310108 Project ID : P0080					
Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads		Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads			
	Cong. Andres Acop Cosalan Rd - K0348+510 - K0348+535, <b>K0348+973 - K0349+000</b>		Cong. Andres Acop K0348+535, <b>K0364</b>		
Physical Target	Unit Cost	Allocation	Physical Target	Unit Cost	Allocation
CW-1: Construction of Road Slope Protection Structure			CW-1: Construction of Road Slope Protection Structure		
<b>336.06</b> sq.m	₽ 10,789.74	₽ 3,626,000.00	439 sq.m	₽ 11,943.05	₽ 5,243,500.00
CW-2: Rehabilitation / Major Repair of Road Slope Protection Structure					
150 sq.m.	₽ 10,780.00	₽ 1,617,000.00			
EAO (2%)		₽ 107,000.00	EAO (2%)		₽ 107,000.00
TOTAL		₽ 5,350,000.00	TOTAL		₽ 5,350,000.00

For your review.

YA-OY - District Engineer OX CAR.17.1/VBC/LDR/EPM



### **Tables for Modification Request Form**

			NERAL			
1. REGION Cordillera Admini	strative Region	2. DEO Benguet Second D	d District Engineering Office BENGUET (LONE DISTRICT			
	B. ORIGINAL PROJE	ст	C.	PROPOSED RE		
4. UACS (Unified a	Account Code Structure 0 /	e as defined in GAA)				
5. Project Id P00802673LZ						
6. Project Catego OO1: Ensure Safe	<b>ry</b> and Reliable National R	oad System				
7. Sub-Program (F Asset Preservation		nstruction of National R	oads with Slips, Slop	e Collapse, and	d Landsl	ide - Secondary Roads
8. Operating Unit Benguet Second District Engineering Office 🗸			18. Operating Unit Benguet Second D			
9. Type of Work (Enter Details for all Components below)			19. Type of Work	(Enter Details f	or all Co	omponents below)
Component ID	Type of Work		Component ID	Type of Wo	rk	
CW1	Construction of Road Structure	d Slope Protection	CW1	Construction Structure	n of Roa	d Slope Protection
CW2	Rehabilitation / Ma Slope Protection Str					
	CRIPTION (as recorded op Cosalan Rd - K0348		20. PROJECT DESC Cong. Andres Aco K0364+030 – K036	p Cosalan Rd		
<b>11. ALLOTMENT (</b> 5,350 7	P'000) (as recorded in (	GAA)		'000) (Equal to, or lower than from Financia		<b>AF</b> (To be obtained Financial agement office)
			5,350 /		⊠YE	
		all Components below)			ails for	
Component ID	Target	Target Unit	Component ID	Target		Target Unit
CW1	336.060	Square Meters (m2)	CW1	439		Square Meters (m2
CW2	150	Square Meters (m2)		Details (	11.0	
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	24. UNIT COST (En	Component (P'000)		Target Unit Cost (P'000/Target Unit)
CW1	3,626.00	10.78974 /	CW1	5,243.00		11.94305
CW2	1,617.00	10.78000				
EAO	107.00		EAO	107.00		
	<b>RK LOCATION</b> (Must be	defined in strict		00 65 Series 20	14. Also	defined in strict complete "ANNEX A
14. PROJECT WOF accordance with	00 00 Denes 20147		for National Road	projects unde	100-1)	
	End X		for National Road Start X		End X	

### Tables for Modification Request Form

		Secondary Road		
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		Benguet Second District Engineering Office		
		28. PROJECT IMPLEMENT		
		Planned Start Date 04/22/2024	Planned End Date 08/06/2024	
04/22/2024	08/06/2024	29. OVERLAP? ⊠ NO □ YES	30. UNDER WARRANTY? ⊠ NO □ YES	

## D. ATTACHMENTS & JUSTIFICATIONS

31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects) ×N/A **YES** D NO 32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points) Change in station limits and increase in physical target of CW1 – Construction of Road Slope Protection Structures from 336.060 square meters to 439 square meters and the removal of CW2 – Rehabilitation / Major Repair of Road Slope Protection Structure The change in station limits was deemed essential since the topsoil at K0348+973 – K0349+000 was washed out during are due to the following: the previous monsoons and revealed a stable rock slope thus, there is no need to construct road slope protection structure. The existing structure at the new station limit K0364+030 – K0364+065 completely caved in. The existing sidewalk and barrier that were previously sitting on top of the structure are now partially hanging, thus, the immediate construction of road slope protection structure along the section will prevent the collapse of the carriageway and its

- The removal of CW2 Rehabilitation / Major Repair of Road Slope Protection Structure was deemed necessary since the existing structure for rehabilitation completely collapsed rendering it unrepairable. Consequently, the physical target of
- The increase in the unit cost of CW1 is due to the change in the design of the structure from stone masonry to cribwall. Furthermore, the height was increased from 6m to 7m and 8m at K0348+510 – K0348+535 and at K0364+030 – K0364+065 respectively, in order to fully protect the slope and in order to reach a more stable foundation bed.
- 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: RSM Annexes, 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

X YES

## 34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

**YES NO** 

Tables for Modification Request Form

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	35. PREP	ARED BY:
Name: Office:	Kanung Can VANESSA B. CHAN Benguet 2nd District Engineering Office	Position: Engineer II Date:
36. R	EVIEWED BY DISTRICT OFFICE (If Required)	38. REVIEWED BY REGIONAL OFFICE
Name: Position: Date:	LAWRENCE D. ROMERO OIC - Chief, Planning and Design Section	Name: ANGELITA B. MABITAZAN Position: Chyef, Planning and Design Division Date:
37. RECO	OMMENDED BY DISTRICT OFFICE (If Required)	39. RECOMMENDED BY REGIONAL OFFICE
Name: Position: Date:	<b>BEX K. ONA-OV</b> OIC – <del>Di</del> strict Engineer	Name: KHADAFFYD TANGGOL Position: Regional Director Date:

UACS (Unified Account Code Structure as defined in GAA)

310108101818000 /

### Project Id

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0802673LZ		F OF THE UNDERSECR	ETARIES FOR OPERATI	ONS
	40. DPWH OFFIC	erv of Modification):	choose one)	
rimary Reason for	Request (based on Catego	Sry of Mounteener,	Category D	Impact
Category A	Category B	Category C		-
<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>
	D iou od l	ov Office of the Under	rsecretary for Operation	ons
	Engr. MANUEL L. SINGSC		Engr. ANTONIC	V. SOBREVIÑAS, JR.
Signature Position: Date: Category of Me (please check of	odification	egory D – Change in C dification does not co	al Error ation Limits ocation, due to non-exi Operating Unit (require omply with DBM Catego	4 12 12 4 sting location s DBM approval)
		Reviewed by Pl	THE PALL	. R. CORTEZ
Name:	ANNA ANDREA M. N	OCHE Na	ame: PETER PAOL	
Signature	Andw		osition: OIC - Chief	of Programming Division
Position:	Regional Coordinate	or	Date:	
Date:				

### ANNEX A: Project Work Location Details for National Roads

Component ID	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
CW-1	S00381LZ	K0364+030	K0364+065	21337	21372	35	Construction of Road Slope Protection Structure	Construction of Cribwall (R/S) with sidewalk and drainage structure (curb and gutter)	Square meters	264