

### OFFICE OF THE SECRETARY

Manila

April 26, 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 are the **APPROVED** requests for the **modification** of hereunder stated projects:

- OO2: Protect Lives and Properties Against Major Floods Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers Construction of Flood Mitigation Structure along Agno River, Baoknit Section, Sta. 9+945 - Sta. 10+555 (L.S), Sta. 9+928 - Sta. 10+524 (R.S), Buguias, Benguet - - P75,000,000.00
- OO2: Protect Lives and Properties Against Major Floods Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers Construction of Flood Mitigation Structure along Agno River, Calamagan Section, Sta. 11+008 - Sta. 11+700 (R.S), Sta. 11+008 - Sta. 11+713 (L.S), Buguias, Benguet - - - P75,000,000.00
- 3. Organizational Outcome 1: Ensure Safe and Reliable National Road System Asset Preservation Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide Secondary Roads Baguio-Bontoc Rd K0266+600 K0266+700, K0267+150 K0267+180, K0268+850 K0268+920, K0272+713 K0272+770 - P30,000,000.00
- Organizational Outcome 1: Ensure Safe and Reliable National Road System Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads Abatan-Mankayan-Cervantes Rd - K0334+360 - K0334+375, K0335+470 - K0335+511, K0342+955 - K0342+974, K0348+350 - K0348+368 - -- P9,000,000.00
- Organizational Outcome 1: Ensure Safe and Reliable National Road System Asset Preservation Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide Tertiary Roads Gov. Bado Dangwa National Rd K0324+445 K0324+470, K0331+540 K0331+575, K0338+515 K0338+560, K0342+625 K0342+665, K0344+415 K0344+426 - P32,000,000.00, K0278+370, K0279+912 K0279+942 - P21,000,000.00

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



### **Programming Division Evaluation Sheet**

Name of Proje	ect:					Project ID:	P00713145LZ
					K0331 + 575, K0338 +	]	
	086, K0338	+ 515 - K0338 +	560, K0338 + 8	75 - K0338 + 890,	K0339 + 360 - K0339 +	1	
440						Appropriation:	32,000,000
Implementing	Office:	Benguet 2nd [	District Engineeri	ng Office		Date: _	04/12/2023
Α.	TYPE O	REQUEST					
A.1		Change in Im	plementing (	Office/Operating	g Unit due to	DPWH	- OSEC
	A.1.1	Geogra	aphical Jurisdict	tion		THE WORLD	RIVER
	A.1.2	Approv	val of Authority	to Bid/Implemen	nt		A DOME
A.2	1	PROJECT MO	DIFICATION	ADJUSTMENT	S	ADR	2 0 2023
	A.2.1	Typog	raphical Error/s			E W	L. V
	A.2.2	Chang	e in Location (f	or <u>non-existent l</u>	ocations only)	W 200	Time:
	A.2.3	✓ Chang	e in Station Lim	nits		Control No.:	>6527
	A.2.4	Additio	on/Deletion of V	Vord/s		IDTS No.:	06306
	A.2.5	✓ Chang	e in Project Cor	mponent/s Detai	S		
		A.2.5.1 🗸	Change in T				
				cope of Work	from		
				(200 <b>C</b> (200,000)	to		
		A.2.5.3	Change in C	omponent Amou	nt		
		A.2.5.4	Addition of 0	Component (incl.	EXC Component)		
		A.2.5.5	Deletion of 0				
		A.2.5.6	Movement of	f Funds between	Components		
В.	EVALUA	TION					
B.1	<b>/</b>	ALLOWED as p	er the GAA Pro	visions			
B.2		NOT ALLOWED					
c.	FLIND	OURCE FY 20					
C.1	TOIND S	for issuance of		(□Released [	TUnreleased)	Amount:	
C.2	1	released thru C		(=:::::::::::::::::::::::::::::::::::::			32,000,000
D.	IMPAC	W.	4			-	
D.1			TY.	% decrease i	a unit cost		
D.1	Conditio	1/5.	E2 21	_ % decrease in			
				<del></del>	n physical target		
				% increase in			
					physical target		4
D.2		111	ect Component				
D.3		Centificate of C	ost Reasonable	ness by RD			
D.4	Remarks:	$\mathcal{L}$					
	A Constitution of Constitution Constitution	ithority as pe	r D.O. 13, s. 2	023, Guideline	s on Modification of	Allotment under	, ×
the G	AA	les as					
E.1			for Operations	5		$\sim$	$\setminus$ $\wedge$
E.2	<b>✓</b>	Secretary			1 ()	1 ) n (	) / // ./
Evaluated By		To	· ~ 2	~	voted By:		109/17/23
Evaluated by		ALEX G. B	OTE 1	177		STANTE A. LLANES	S, JR., CESO III
	-		ng Service (	- <i>U</i> (	Assi	istant Secretary, Pla	
	<u>h</u> -		<b>L</b>				
Desired ID:	D007	13.45LZ	Y	ACTION S	SLIP	Date:	
Project ID:		L M. BONOAN	OP			Date	
	TIMIN .						
REMARKS:	V		lanning Service				
		Recommended Remarks:	Tor Approval			10000	
		Kemarks.		/	X0 0	0	
			(		VIAXA		

MARIA CATALINA E. CABRAL, CESO I, Ph.D.
Undersecretary for Planning and PPP Services



#### OFFICE OF THE SECRETARY

Manila

March 30, 2023

#### **MEMORANDUM**

FOR

MANUEL M. BONOAN

Secretary

This Department

This refers to the memorandum dated March 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.: 31010910 Project ID.: P00713							
Organizational Outcome Road System - Asset Pr Reconstruction of Road Landslide - Tertiary Roa	eservation - Rehabil s with Slips, Slope C	litation/	Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslid - Tertiary Roads				
Gov. Bado Dangwa Nat K0331+540 - K0331+5 K0338+515 - K0338+5 <b>K0339+360 - K0339</b>	75, <b>K0338+060 -</b>   60, <b>K0338+875 -</b>	K0338+086,	Gov. Bado Dangwa Nat K0331+540 - K0331+57 K0342+625 - K0342+	5, K0338+515 - K03	338+560,		
Type of Work/	Unit Cost	Allocation	Type of Work/	Unit Cost	Estimated Cost		

Type of Work/ Physical Target Unit Cost		Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost	
CW1 – Construction of Road Slope Protection Structure / 2,006.03 sq.m.	₱ 15,632.87/ sq.m.	₱ 31,360,000.00	CW1 – Construction of Road Slope Protection Structure / 1,317.6 sq.m.	₱ <b>23,800.85</b> / sq.m.	₱ 31,360,000.00	
EAO	-	₱ 640,000.00	EAO	-	₱ 640,000.00	
	Total:	₱ 32,000,000.00		Total:	₱ 32,000,000.00	

Change in station limits and decrease in physical target for CW1 Construction of Road Slope Protection Structure from 2,006.03 square meter to 1,317.6 square meter due to the following:

- The change in station limits was deemed essential due to the removal of station limits K0338+060 K0338+086, K0338+875 - K0338+890, K0339+360 - K0339+440 since upon survey of these sections it is noted that they were already addressed by the Regional Office projects.
- Addition of the identified critical section at station limits K0342+625 K0342+665, and K0344+415 K0344+426 to be
  protected since the extent of the damaged slope was aggravated during the onslaught of previous typhoons and to provide
  immediate protection to areas adjacent to these section that is exposed to rain and is unstable.
- Unit costs for CW1 increased due to the necessity to (1) include PCCP reconstruction in order to address the existing road
  cuts, and (2) incorporate drainage works in order to properly divert surface run-off away from the road.
- The derived unit cost is based on the approved Program of Work (POW) and Detailed Unit Price Analysis (DUPA).
- See attached Certificate of Reasonableness of Cost Estimates signed 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, Certificate of Reasonableness of Unit Cost, and RSM Annexes.



UACS No.: 310109101274000 Project ID.: P00713145LZ

Page 2 of 2

Based on our evaluation, the submitted request for modification of the said project is in order; heree, 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

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

APPROVED/<del>DISAPPROVED</del>:

MANUEL M. BONOAN Secretary

2.3 mksa/MLS/AVS/AGC/ERP

Department of Public Works and Highways Office of the Secretary



#### CORDILLERA ADMINISTRATIVE REGION

Engineer's Hill, Baguio City

March 29, 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: OO1: Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - Gov. Bado Dangwa National Rd - K0324+445 - K0324+470, K0331+540 - K0331+575, K0338+060 - K0338+086, K0338+515 - K0338+560, K0338+875 - K0338+890,

K0339+360 - K0339+440

We are respectfully forwarding the Memorandum dated March 28, 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 Two Million Pesos (Php 32,000,000.00)** as indicated below:

	FROM	то
Project ID	P00713145LZ	
Project Title	Gov. Bado Dangwa National Rd - K0324+445 - K0324+470, K0331+540 - K0331+575, <b>K0338+060 - K0338+086</b> , <b>K0338+515 - K0338+560</b> , <b>K0338+875 - K0338+890</b> , <b>K0339+360 - K0339+440</b>	Gov. Bado Dangwa National Rd - K0324+445 - K0324+470, K0331+540 - K0331+575, <b>K0338+515</b> - <b>K0338+560</b> , <b>K0342+625</b> - <b>K0342+665</b> , <b>K0344+415</b> - <b>K0344+426</b>
Physical Target	<b>2,006.03</b> Square Meters	1317.6 Square Meters
Allocation	Php 32,000,000	Php 32,000,000

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

Telefax: (074)444-6460, (074)444-8838 \* Email address: dpwh\_car@dpwh.gov.ph



# BENGUET SECOND DISTRICT ENGINEERING OFFICE

CORDILLERA ADMINISTRATIVE REGION Natubleng, Buguias, Benguet

March 28, 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, Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - Gov. Bado Dangwa National Rd - K0324+445 - K0324+470, K0331+540 - K0331+575, K0338+060 - K0338+086, K0338+515 -

K0338+560, K0338+875 - K0338+890, K0339+360 - K0339+440

Respectfully submitting the requirements for the modification of the FY 2023 project: "Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - Gov. Bado Dangwa National Rd - K0324+445 - K0324+470, K0331+540 - K0331+575, K0338+060 - K0338+086, K0338+515 - K0338+890, K0338+890, K0339+360 - K0339+440" for your endorsement.

FROM		TO			
Project Description:					
UACS No.: 310109101274000					
Project ID.: P00713145LZ					
Reconstruction of Roads with Slip and Landslide - Tertiary Roads Gov. Bado Dangwa National Ro K0324+470, K0331+540	d - K0324+445 K0331+575, K0338+515 -	Asset Preservation Program - Rehabilitation Reconstruction of Roads with Slips, Slope Collaps and Landslide - Tertiary Roads  Gov. Bado Dangwa National Rd - K0324+445 K0324+470, K0331+540 - K0331+575, K0338+515 K0338+560, K0342+625 - K0342+666 K0344+415 - K0344+426			
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)		
CW-1: Construction of Road Slope		CW-1: Construction of Road Slope			
Protection Structure		Protection Structure			
<b>2006.03</b> square meter 31,360,000.00		1317.6 square meter	31,360,000.00		
EAO (2%)	640,000.00	EAO (2%) 640,000.			
Total:	32,000,000.00	Total:	32,000,000.00		

For your review.

CAR 17.1 VBC/MBB/RKO

		A. GEI	NERAL				
1. REGION  Cordillera Administ	trative Region	2. DEO Benguet Second D	3. LEGISLATIVE DISTRICE District Engineering Office BENGUET (LONE DISTRICE)				
TANK CHE STANKE	B. ORIGINAL PROJECT		C. PROPOSED REVISED PROJECT				
<b>4. UACS</b> (Unified Ad 310109101274000	ccount Code Structure	as defined in GAA)			Strate Sec. Josephia		
5. Project Id P00713145LZ							
<b>6. Project Category</b> OO1: Ensure Safe a	, nd Reliable National Ro	ad System					
7. Sub-Program (P/	/A/P)						
Asset Preservation	Program - Rehabilitatio	n/ Reconstruction of R	oads with Slips, Slop	e Collapse, and	d Landslide - Tertiary Roads		
8. Operating Unit			18. Operating Unit	t (Change subje	ect to DBM approval)		
Benguet 2nd Distric	ct Engineering Office		Benguet 2nd Distri	ct Engineering	Office		
9. Type of Work (Er	nter Details for all Com	ponents below)	19. Type of Work	Enter Details f	or all Components below)		
Component ID	Type of Work		Component ID	Type of Wor	k		
CW1	Construction of Road Structure	Slope Protection	CW1	Construction Structure	struction of Road Slope Protection cture		
Gov. Bado Dangv K0331+540 - K0331	RIPTION (as recorded in wa National Rd - K032 +575, K0338+060 - K03 +875 - K0338+890, K033	24+445 - K0324+470, 3 <b>38+086</b> , K0338+515 -		wa National R 1+575, K0338+	kd - K0324+445 - K0324+47 515 - K0338+560, <mark>K0342+62</mark> 5		
11. ALLOTMENT (P	<b>'000)</b> (as recorded in G	AA)	21. REVISED ESTIN (P'000) (Equal to, GAA allotment)		<b>22. CAF</b> (To be obtained from Financial Management office)		
			32,000		⊠YES		
12. PHYSICAL TARG	GET (Enter Details for al	l Components below)	23. PHYSICAL TAR	GET (Enter Det	ails for all Components below		
Component ID	Target	Target Unit	Component ID	Target	Target Unit		
CW1	2,006.03	Square Meters (m2)	CW1	1,317.6	Square Meters (m2		
13. UNIT COST (Ent	ter Details for all Comp	onents below)	24. UNIT COST (En	iter Details for	all 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	31,360.000	15.63287	CW1	31,360.000	23.80085		
EAO	640.000		EAO	640.000			
14. PROJECT WORK accordance with D	K LOCATION (Must be on 65 Series 2014)	lefined in strict		00 65 Series 20	Must be defined in strict 114. Also complete "ANNEX A		
Start X	End X		Start X	- me a ve meres <del>i</del> je	End X		
Start Y	End Y		Start Y		End Y		
15. ROAD CLASSIFI Tertiary Road	CATION (if applicable)		26. ROAD CLASSIF Tertiary Road	FICATION (if ap	plicable)		
16. IMPLEMENTING of the original proj	G OFFICE (Record the In ject) ct Engineering Office	mplementing Office		evised project)			

	Tables for Wida	incation Request Form	
17. PROJECT IMPLEMENTA	ATION PLAN (PIP)	28. PROJECT IMPLEMENT	TATION PLAN (PIP)
Planned Start Date	<b>Planned End Date</b>	<b>Planned Start Date</b>	Planned End Date
04/03/2023	11/18/2023	04/03/2023	11/18/2023
		29. OVERLAP?	30. UNDER WARRANTY?
		⊠ NO □ YES	⊠ NO □ YES
	D. ATTACHM	ENTS & JUSTIFICATIONS	
31. PROJECT IMPACT ANA	LYSIS ATTACHED? (For Flood Con	trol Projects)	
□ NO □ YES	⊠ N/A		
32. TECHNICAL JUSTIFIC	ATION (Explain in detail in Bullet	point format; minimum of 2 po	pints)
	ts and decrease in physical tar meters to 1,317.6 square mete		of Road Slope Protection Structure
<ul> <li>Addition of the K0344+426 to previous typho rain and is unstituted in the Existing road of the derived un (DUPA).</li> <li>See attached Control of the Con</li></ul>	be protected since the extent ons and to provide immediate table.  CW1 increased due to the necestats, (2) incorporate drainage wonstruct road safety features so it cost is based on the approfertificate of Reasonableness of lowing supporting documents atte of Availability of Funds, BP2	at station limits K0342+625 of the damaged slope was a protection to areas adjacent essity to (1) include PCCP rec works in order to properly di ruch as concrete barriers in or oved Program of Work (POW f Cost Estimates approved by s: Approved Program of Wo	inggravated during the onslaught of the to these section that is exposed to construction in order to address the evert surface run-off away from the order to ensure safety of motorists.  If the Regional Director.  Orks (POW), Detailed Engineering Map, Certificate of Reasonableness
□ NO ⊠ YES	SEED DROIECT WORK LOCATION (	CLIRMITTED	
34. A MAP OF THE PROPO	SED PROJECT WORK LOCATION S	30BIVILLIED	
□ 140 ⊠ 1E3			

and the transfer service	35. PRE	PARED BY:	
Name:	Vanua Blan- VANESSA B. CHAN	Position:	Engineer II
Office:	Benguet 2nd District Engineering Office	Date:	
36. R	EVIEWED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE
Name:	MARJORVE, BANAO	Name:	ANGELITA B. MABITAZAN
Position:	OIC - Chief, Planning and Design Section	Position:	Chief, Planning and Design Division
Date:		Date:	
37. REC	OMMENDED BY DISTRICT OFFICE (If Required)		39. RECOMMENDED BY REGIONAL OFFICE
Name:	REX W. OVA-OV	Name:	KHADAFFA D. TANGGOL
Position:	OIC District Engineer	Position:	Regional Director
Date:		Date:	

UACS (Unified Account Code Structure as defined in GAA)

310109101274000 Project Id P00713145LZ 40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS Primary Reason for Request (based on Category of Modification): (choose one) Category C Category A Category B Category D **Impact** □ Overlapping ☐ Typographical Sections ☐ No such ☐ No change or decrease in error on ☐ Change in (IO), Barangay unit cost ☐ Change in Station Project requiring a Limits ☐ No such City or ☐ 20% or less increase in unit Description change in the Municipality cost ☐ Change in Physical (OU) Target □ > 20% increase in unit cost Beviewed by Office of the Undersecretary for Operations Engr. ANTONIO V. SOBREVIÑAS, JR. Name: Engr. MANUEL L. SINGSON Signature Position: Project Manager I Project Manager II Date: **41. DPWH PLANNING SERVICE** ☐ Category A – Typographical Error Category B - Change in Station Limits **Category of Modification** ☐ Category C – Change in Location, due to non-existing location (please check the appropriate) ☐ Category D – Change in Operating Unit (requires DBM approval) ☐ Modification does not comply with DBM Categories Reviewed by Planning Service ANNA ANDREA M. NOCHE PETER PAUL R. CORTEZ Name: Name: Signature Signature: Position: OIC - Chief of Programming Division Regional Coordinator Position: 04.12.23 Date: Date:

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

Component	Section	Start Limit	End Limit	Start	End	Length	Type of Work	Detail Scope of Work	Target	Physical
ID	ID	LRP + Disp	LRP + Disp	Chainage	Chainage	(m)	The state of the s		Unit	Target
CW-1	S00376LZ	K0324+445	K0324+470	6237	6262	25	Construction of Road Slope Protection Structure	1. Slope protection works (Stone Masonry (LS)), 2. Drainage works (Concrete Flume, Curb and Gutter (LS), 910mm dia. RCPC); and 3. PCCP Reconstruction (Left lane)	square meter	75
CW-1	S00376LZ	K0331+540	K0331+575	13401	13436	35	Construction of Road Slope Protection Structure	1. Slope protection works (Double Cribwall with parapet wall (RS); and Gabion (RS)); and 2. Drainage works (Concrete Flume, Curb and Gutter (RS), 910mm dia. RCPC); and 3. PCCP Reconstruction (Both lanes)	square meter	612
CW-1	S00376LZ	K0338+515	K0338+560	20447	20492	45	Construction of Road Slope Protection Structure	1. Slope protection works (Stone Masonry (RS)), 2. Drainage works (Curb and gutter (RS)); and 3. PCCP Reconstruction (Right lane)	square meter	125
CW-1	S00376LZ	K0342+625	K0342+665	24604	24644	40	Construction of Road Slope Protection Structure	1. Slope protection works (Double Cribwall (LS)), 2. Drainage works (Concrete Flume, Curb and Gutter (LS), 910mm dia. RCPC, Concrete Inlet (RS)); and 3. PCCP Reconstruction (Both lanes)	square meter	421.6
CW-1	S00376LZ	K0344+415	K0344+426	26388	26399	11	Construction of Road Slope Protection Structure	1. Slope protection works (Stone Masonry (LS)), 2. Drainage works (Curb and Gutter (LS)); and 3. Road Safety Works (Concrete Barrier (LS))	square meter	84