

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS 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 **<u>APPROVED</u>** 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
- 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

2.3 mksa/AVS/AGC/ERP



Programming Division Evaluation Sheet Name of Project: P00726409LZ Project ID: Construction of Flood Mitigation Structure along Agno River, Baoknit Section, Sta. 9 + 846 - Sta. 10 + 306 (R.S), Sta. 10 + 076 - Sta. 10 + 480 (L.S), Sta. 10 + 360 - Sta. 11 + 088 (R.S), Sta. 10 + 491 -Sta. 10 + 556 (L.S), Sta. 0 + 540 - Sta. 0 + 671 (L.S), Sta. 0 + 556 - Sta. 0 + 688 (R.S), Buguias, 75,000,000 Appropriation: Benquet Implementing Office: Benguet 2nd District Engineering Office Date: 04/12/2023 TYPE OF REQUEST A. USEC DPMI: A.1 Change in Implementing Office/Operating Unit due to A.1.1 Geographical Jurisdiction A.1.2 Approval of Authority to Bid/Implement 1 A.2 **PROJECT MODIFICATION/ADJUSTMENTS** APR 2 4 2023 A.2.1 Typographical Error/s A.2.2 Change in Location (for non-existent locations only) Time A.2.3 1 Change in Station Limits Control No.: 6 IDTS No.: A.2.4 Addition/Deletion of Word/s A.2.5 1 Change in Project Component/s Details A.2.5.1 Change in Targets Change in Scope of Work from to A.2.5.3 Change in Component Amount A.2.5.4 Addition of Component (incl. EXC Component) A.2.5.5 **Deletion of Component** A.2.5.6 Movement of Funds between Components B. **EVALUATION B.1** ALLOWED as per the GAA Provisions B.2 NOT ALLOWED as per the GAA Provisions C. FUND SOURCE FY 2023 GAA, R.A. 11936 C.1 for issuance of SARO (□Released □Unreleased) Amount: released thru GAAAO 75,000,000 C.2 D. IMPACT: D.1 Condition/s: % decrease in unit cost 60.00 % increase in unit cost 37.50 % decrease in physical target - % increase in physical target D.2 Additional Project Component Certificate of Cost Reasonableness by RD D.3 1 D.4 Remarks: E. Approving Authority as per D.O. 13, s. 2023, Guidelines on Modification of Allotment under the GAA Undersecretary for Operations E.1 E.2 Secretary Noted By: Evaluated By: CONSTANTE A. LLANE **CESO III** JR. anning Service Director, Assistant Secretary Planning Service ACTION SLIP Project ID: P00726409LZ Date: FOR SECRETARY MANUEL M. BONOAN OR **REMARKS:** Reviewed by Planning Service Recommended for Approval Remarks: MARIA CATALINA E. CABRAL, CESO I PhD

Undersecretary for Planning and PPP Services



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

Manila

March 30, 2023

MEMORANDUM

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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;

New research works and service in the service of th	per GAA/Original		As Modified			
			Description			
UACS No.: 32010210 Project ID.: P007264						
OO2: Protect Lives and Construction/ Rehabilita within Major River Basi	ation of Flood Mitiga	tion Facilities	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+846 - Sta. 10+306 (R.S), Sta. 10+076 - Sta. 10+480 (L.S), Sta. 10+360 - Sta. 11+088 (R.S), Sta. 10+491 - Sta. 10+556 (L.S), Sta. 0+540 - Sta. 0+671 (L.S), Sta. 0+556 - Sta. 0+688			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			
11+088 (R.S), Sta. 1 0+540 - Sta. 0+671	.0+491 - Sta. 10+ (L.S), Sta. 0+556	556 (L.S), Sta.	9+928 - Sta. 10+524	(K.S), Bugulas, Beng	uer	
11+088 (R.S), Sta. 1	.0+491 - Sta. 10+ (L.S), Sta. 0+556	556 (L.S), Sta.	9+928 - Sta. 10+524 Type of Work/ Physical Target	Unit Cost	Estimated Cost	
11+088 (R.S), Sta. 1 0+540 - Sta. 0+671 (R.S), Buguias, Bengu Type of Work/ Physical Target CW1 – Construction	.0+491 - Sta. 10+ (L.S), Sta. 0+556 et	556 (L.S), Sta. - Sta. 0+688	Type of Work/ Physical Target CW1 – Construction			
11+088 (R.S), Sta. 1 0+540 - Sta. 0+671 (R.S), Buguias, Bengu Type of Work/ Physical Target	.0+491 - Sta. 10+ (L.S), Sta. 0+556 et	556 (L.S), Sta. - Sta. 0+688	Type of Work/ Physical Target			
11+088 (R.S), Sta. 1 0+540 - Sta. 0+671 (R.S), Buguias, Bengu Type of Work/ Physical Target CW1 - Construction of Flood Mitigation Structure /	0+491 - Sta. 10+ (L.S), Sta. 0+556 et Unit Cost ₱ 37,695.31/	556 (L.S), Sta. - Sta. 0+688 Allocation	Type of Work/ Physical Target CW1 – Construction of Flood Mitigation Structure /	Unit Cost 후 60,312.50/	Estimated Cost	

Change in station limits and decrease in physical target for CW1 - Construction of Flood Mitigation Structure from 1,920 Lineal meters to 1,200 Lineal meters due to the following:

- The removal of station limits 0+540 0+671 (L.S), and 0+556 0+688 (R.S) along the tributary area of the river was
 deemed essential since the protection along the principal river was prioritized.
- The removal of station limits 10+360 11+088 (R.S), and 10+491 10+556 (L.S) along the principal river was deemed essential since the released funding is insufficient to completely address the requirements for bank protection along the said section. Furthermore, continuity of the flood mitigation structures constructed previously was also considered in order to avoid leaving gaps specially since the area is mainly agricultural and residential.
- The change in start station limit was deemed essential due to the necessity to continue the project at the end of the existing
 project in order to avoid gaps between the structures.
- The change in end station limit was deemed essential due to the necessity to shorten the length of the structure in order to accommodate the increase in height of the proposed structures.
- Unit costs for CW1 increased due to the change in the height of the proposed structure from 3.0m to 3.5m in anticipation
 of heavy water influx during rainy seasons as experienced during the onslaught of previous typhoons.
- 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, Project Impact Analysis (PIA), Master Plan 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

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

APPROVED/DISAPPROVED:

MANUEL M. BONOAN Secretary

2.3 mksa/MLS/AVS/AGC/ERP

Department of Public Works and Highways Office of the Secretary





Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS 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: OO2: Protect Lives and Properties Against Major Floods - Flood Management Program -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+846 - Sta. 10+306 (R.S), Sta. 10+076 - Sta. 10+480 (L.S), Sta. 10+360 - Sta. 11+088 (R.S), Sta. 10+491 - Sta. 10+556 (L.S), Sta. 0+540 -Sta. 0+671 (L.S), Sta. 0+556 - Sta. 0+688 (R.S), Buguias, Benguet

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 Seventy-Five Million Pesos (Php 75,000,000.00) as indicated below:

	FROM	то
Project ID	P00726409LZ	
Project Title	Construction of Flood Mitigation Structure along Agno River, Baoknit Section, Sta. 9+846 - Sta. 10+306 (R.S), Sta. 10+076 - Sta. 10+480 (L.S), Sta. 10+360 - Sta. 11+088 (R.S), Sta. 10+491 - Sta. 10+556 (L.S), Sta. 0+540 - Sta. 0+671 (L.S), Sta. 0+556 - Sta. 0+688 (R.S) , Buguias, Benguet	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
Physical Target	1,920 Lineal meters	1,200 Lineal meters
Allocation	Php 75,000,000	Php 75,000,000

The supporting documents based on D.O No. 23, series of 2023 are attached for your ready reference.

For the consideration of the Secretary.

KHAD D. TANGGOL **Regional Director**

CAR.1 DLBC/EFD/JWC/ABM

Telefax: (074)444-6460, (074)444-8838



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS 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, 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+846 - Sta. 10+306 (R.S), Sta. 10+076 - Sta. 10+480 (L.S), Sta. 10+360 - Sta. 11+088 (R.S), Sta. 10+491 - Sta. 10+556 (L.S), Sta. 0+540 - Sta. 0+671 (L.S), Sta. 0+556 - Sta. 0+688 (R.S), Buguias, Benguet

Respectfully submitting the requirements for the modification of the FY 2023 project: "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+846 - Sta. 10+306 (R.S), Sta. 10+076 - Sta. 10+480 (L.S), Sta. 10+360 - Sta. 11+088 (R.S), Sta. 10+491 - Sta. 10+556 (L.S), Sta. 0+540 - Sta. 0+671 (L.S), Sta. 0+556 - Sta. 0+688 (R.S), Buguias, Benguet" for your endorsement.

FROM		то		
Project Description:				
UACS No.: 320102105229000				
Project ID.: P00726409LZ				
Rehabilitation of Flood Mitigation Fa River Basins and Principal Rivers Construction of Flood Mitigation St River, Baoknit Section, Sta. 9+ 8 4	acilities within Major ructure along Agno 46 - Sta. 10+306 +480 (L.S), Sta. ta. 10+491 - Sta. Sta. 0+671 (L.S),		acilities within Major ructure along Agno 15 - Sta. 10+ 555	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)	
CW-1: Construction of Flood		CW-1: Construction of Flood		
Mitigation Structure		Mitigation Structure		
1920 Lineal meters	72,375,000.00	1200 Lineal meters	72,375,000.00	
EAO (2%)	2,625,000.00	EAO (2%)	2,625,000.00	
Total:	75,000,000.00	Total:	75,000,000.00	

For your review.

REXK 401 OIC - District-Engineer CAR 17.1 VBC/MBB/RKO

	A. GEI	VERAL	i la contrata		Selficients	and a state	
1. REGION Cordillera Administrative Region	2. DEO Benguet Second Di	istrict Engir	eering Offic		G ISLATIVE GUET (LON		
B. ORIGINAL PROJECT			C. PRO	OPOSED REV	ISED PROJ	ЕСТ	
4. UACS (Unified Account Code Structure as 320102105229000	defined in GAA)						
5. Project Id P00726409LZ							
6. Project Category OO2: Protect Lives and Properties Against M	lajor Floods						
7. Sub-Program (P/A/P) Construction/ Rehabilitation of Flood Mitiga	tion Facilities within I	Major Rivei	Basins and	Principal Riv	ers		
8. Operating Unit Central Office		18. Opera Central O		hange subje	ct to DBM	approval	
9. Type of Work (Enter Details for all Comp	onents below)	19. Type	of Work (En	ter Details fo	or all Comp	onents b	elow)
Component ID Type of Work		Compone	nt ID 1	Type of Wor	k		
CW1 Construction of Flood M	Aitigation Structure	CW1	(Construction	of Flood N	litigation	Structure
Construction of Flood Mitigation Structure Baoknit Section, Sta. 9+846 - Sta. 10+306 (R. 10+480 (L.S), Sta. 10+360 - Sta. 11+088 (R.S 10+556 (L.S), Sta. 0+540 - Sta. 0+671 (L.S 0+688 (R.S), Buguias, Benguet	S), Sta. 10+076 - Sta. 5), Sta. 10+491 - Sta.	Baoknit S		d Mitigatior 9+ <mark>945</mark> - Sta. , Benguet			
11. ALLOTMENT (P'000) (as recorded in GAA) 75,000			21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment)22. CAF (To be obtained from Financial Management office)75,000XYES				
12. PHYSICAL TARGET (Enter Details for all	Components below)	23. PHYS	CAL TARGE	r (Enter Deta	ails for all C	ompone	nts below
Component ID Target	Target Unit	Compone	ent ID	Target	т	arget Uni	t
CW1 1,920 -	Lineal Meters (Im)	CW1		1,200 –	L	ineal Met	ers (lm)
13. UNIT COST (Enter Details for all Compo	nents below)	24. UNIT	COST (Enter	Details for	all Compor	nents belo	w)
Component ID	Target Unit Cost (P'000/Target Unit)	Compone	nt ID	Component (P'000)		arget Uni P'000/Tai	
CW1 72,375.000	37.69531 —	CW1		72,375.000 -	6	0.31250	/
EAO 2,625.000		EAO		2,625.000 -	-		
14. PROJECT WORK LOCATION (Must be de accordance with DO 65 Series 2014)	fined in strict	accordan	ce with DO	OCATION (N 65 Series 20 ojects under	14. Also co		
Start X 120.83786 End X	120.842711	Start X	120.83788	39 E	nd X	120.8395	13
Start Y 16.804568 End Y	16.812121	Start Y	16.805344	E E	ind Y	16.80939	
15. ROAD CLASSIFICATION (if applicable) N/A		26. ROA I	CLASSIFIC	ATION (if ap)	olicable)		9

the original project)		the proposed revised project)		
Benguet 2nd District Engineering Office		Benguet 2nd District Engineering Office		
17. PROJECT IMPLEMENTA	TION PLAN (PIP)	28. PROJECT IMPLEMEN	TATION PLAN (PIP)	
Planned Start Date	Planned End Date	Planned Start Date	Planned End Date	
04/03/2023	02/17/2024	04/03/2023	02/17/2024	
		29. OVERLAP?	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 and decrease in physical target for CW1 - Construction of Flood Mitigation Structure from 1,920 Lineal meters to 1,200 Lineal meters due to the following:

- The removal of station limits 0+540 0+671 (L.S), and 0+556 0+688 (R.S) along the tributary area of the river was deemed essential since the protection along the principal river was prioritized.
- The removal of station limits 10+360 11+088 (R.S), and 10+491 10+556 (L.S) along the principal river was deemed essential since the released funding is insufficient to completely address the requirements for bank protection along the said section. Furthermore, continuity of the flood mitigation structures constructed previously was also considered in order to avoid leaving gaps specially since the area is mainly agricultural and residential.
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 of the existing project in order to avoid gaps between the structures.
- The change in end station limit was deemed essential due to the necessity to shorten the length of the structure in order to accommodate the increase in height of the proposed structures.
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- 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 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, Project Impact Analysis (PIA), Master Plan and Certificate of Reasonableness of Unit Cost.

33. PHOTOS	S SUBMITTED	
□ NO	⊠ YES	
34. A MAP (OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED	
	⊠ YES	

	35. PRE	PARED BY:		
Name:	Vanual Clas 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:	MARJORY B. BANAO	Name:	ANGELITAB. MABITAZAN	
Position:	OIC - Chief, Planning and Design Section	Position:	Chief, Planning and Design Division	
Date:		Date:		
37. RECOMMENDED BY DISTRICT OFFICE (If Required)		39. RECOMMENDED BY REGIONAL OFFICE		
Name:	REX W. OVA-OV	Name:	KHADAFFYD. TANGGOL	
Position:	OIC – District Engineer	Position:	Regional Director	
Date:	/	Date:		

UACS (Unified Account Code Structure as defined in GAA) 320102105229000

Project Id

00072640017

P00726409LZ				
	40. DPWH OFFI	CE OF THE UNDERSEC	RETARIES FOR OPERAT	IONS
Primary Reason fo	or Request (based on Categ	ory of Modification):	(choose one)	
Category A	Category B	Category C	Category D	Impact
 Typographical error on Project Description Overlapping Sections Change in Station Limits Change in Physical Target 		 No such Barangay No such City or 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
	Reviewed b	y Office of the Unders	ecretary for Operation	15
Name:	Engr. MANUEL L. SINGSO	N	Engr. ANTONIO	/. SOBREVIÑAS, JR.
Signature			Project Manager	14
Position:	Project Manager 1	ha	Project Manager	2/2/23
Date:	3/70	169		3/1/1/
		41. DPWH PLANNIN	G SERVICE	
Category of Modi (please check the	fication appropriate)	ry A – Typographical E ry B – Change in Statio ry C – Change in Locati ry D – Change in Opera cation does not comply	n Limits ion, due to non-existin ating Unit (requires DB	M approval)
		Reviewed by Planni	ng Service	
Name:	ANNA ANDREA M. NOCH	E Name:	PETER PAUL R. C	ORTEZ
Signature	Andum	Signatu	re: fenja	
Position:	Regional Coordinator	Positio	n: CIC - Chief of Pro	gramming Division
Date:	04.12.23	Date:		