



April 29, 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 **APPROVED** requests for the **modification** of hereunder stated projects:

1. 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, Salingao Section, Sta. 0+022 - Sta. 0+306 (BS), Buguias, Benguet - - - **₱20,000,000.00**
2. 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, Tin-apan Section, Sta. 0+058 - Sta.0+650 (B.S), Buguias, Benguet - - - - **₱70,000,000.00**

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.


EUGENIO R. PIPO, JR.

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

2.3 LDAM/AVS/RPBG/ERP

Project Modification of Allotment under the GAA Request Evaluation Form

Date of Evaluation: 04/18/2024

P/A/P 1 (OO1, OO2, CSSP, LP):	Appropriation Source:	FY 2024 GAA
ORGANIZATIONAL OUTCOME 2 : Protect Lives and Properties Against Major Floods	UACS:	320102106856000
P/A/P 2 (Program):	Project ID:	P00821533LZ
Flood Management Program	Region:	Cordillera Administrative Region
P/A/P 3 (Sub-Program):	Implementing Office:	Benguet 2nd District Engineering Office
Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers	Appropriation (Php):	20,000,000

Name of Project per GAA:

Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S), Buguias, Benguet

Implementing Office
A Justification for Modification:

- The station limits were modified in order to include identified critical sections along the river bank to support vegetable gardens that are starting to show signs of possible erosion specifically at the left bank: Sta. 0+022 - Sta. 0+047, Sta. 0+099 - Sta. 0+109, and Sta. 0+ 127 - Sta. 0+296, and at the right bank: Sta. 0+078 - Sta. 0+120, and Sta. 0+131 - Sta. 0+306. The excluded portions/ stations have stable rock slopes, thus, do not need mitigation structures.
- The increase in the unit cost is due to the need to change in the design of the proposed structure from rubble concrete to stone masonry with concrete armor due to the limited space for the foundation bed.

A.1 Certificate of Reasonableness of Cost Estimate by: RD Khadaffy D. Tanggol dated: March 20, 2024

B. PER PLANNING SERVICE EVALUATION

B.1 **PROJECT MODIFICATION ON PROJECT DESCRIPTION**

- B.1.1 Typographical Error/s
 B.1.2 Change in Location (for non-existent locations only)
 B.1.3 Change in Station Limits
 B.1.4 Addition/ Deletion of Word/s

B.2 **PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS**

- B.2.1 Change in Targets
 B.2.2 Change in Scope of Work
 B.2.3 Change in Component Amount
 B.2.3.1 Addition of Component (including excess amount)
 B.2.3.2 Deletion of Component
 B.2.3.3 Movement of Funds between Components

C. RESULTANT AFTER MODIFICATION

- C.1 Additional Project Component/s
 C.2 Component/s:

COMP	SCOPE OF WORK		TARGET		INCREASE/ DECREASE (%)	
	FROM	TO	FROM	TO	Unit Cost	Target
CW1	Construction of Flood Mitigation Structure	Construction of Flood Mitigation Structure	480.0 lm	421.0 lm	14.01%	-12.29%
CW2	-	-	-	-	-	-
CW3	-	-	-	-	-	-
CW4	-	-	-	-	-	-

D. AS EVALUATED

- D.1 ALLOWED as per the GAA Provisions
 D.2 NOT ALLOWED as per the GAA Provisions
 D.3 Remarks (to be filled-up by Planning Service):

- Change in Station Limits of Flood Control Project
- Decrease in Target and Increase in Unit Cost (No change in PDM)

Evaluated By:


ALEX G. BOTE
 Director, Planning Service

Noted By:


CONSTANTE A. LLANES JR., CESO III
 Assistant Secretary, Planning Service

E. Approving Authority as per latest Approved Guidelines on Modification of Allotment under the GAA

- E.1 Secretary
 E.2 Undersecretary 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;

<i>As per GAA/Original</i>			<i>As Modified</i>		
Project Description					
UACS No.: 320102106856000 , Project ID: P00821533LZ ,					
OO2: Protect Lives and Properties Against Major Floods - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers			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, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S), Buguias, Benguet			Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+022 - Sta. 0+306 (BS), Buguias, Benguet		
Type of Work / Physical Target	Unit Cost	Allocation	Type of Work / Physical Target	Unit Cost	Estimated Cost
CW1 - Construction of Flood Mitigation Structure / 480 Lineal meters	₱ 40,833.33 / Lineal meters	₱ 19,600,000.00	CW1 - Construction of Flood Mitigation Structure / 421 Lineal meters	₱ 46,555.82 / Lineal meters	₱ 19,600,000.00
EAO	-	₱ 400,000.00	EAO	-	₱ 400,000.00
Total:		₱ 20,000,000.00	Total:		₱ 20,000,000.00

Justification:

The change in station limits, and the decrease in the physical target of CW1 – Construction of Flood Mitigation Structure from 480 lineal meters to 421 lineal meters are due to the following:

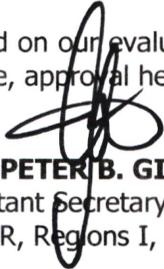
- The station limits were modified in order to include identified critical sections along the river bank to support vegetable gardens that are starting to show signs of possible erosion specifically at the left bank: Sta. 0+022 – Sta. 0+047, Sta. 0+099 – Sta. 0+109, and Sta. 0+127 – Sta. 0+296, and at the right bank: Sta. 0+078 – Sta. 0+120, and Sta. 0+131 – Sta. 0+306. The excluded portions / stations have stable rock slopes, thus, do not need mitigation structures.
- The increase in the unit cost is due to the need to change in the design of the proposed structure from rubble concrete to stone masonry with concrete armor due to the limited space for the foundation bed.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA).

A6- CO- 202404- 00850

- See attached Certificate of Reasonableness of Estimates approved by the Regional Director.

Attached are the following supporting documents: Project Impact Analysis (PIA), 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.

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~~:


EUGENIO R. PIÑO, JR.

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



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



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 2: 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, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S), Buguias, Benguet

We are respectfully forwarding the Memorandum dated March 22, 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 **Twenty Million Pesos (Php 20,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00821533LZ	
Project Title	Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S), Buguias, Benguet	Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+022 - Sta. 0+306 (B.S), Buguias, Benguet
Type of Work	CW1 - Construction of Flood Mitigation Structure	CW1 - Construction of Flood Mitigation Structure
Physical Target	CW1 – 480 Lineal Meters	CW1 – 421 Lineal 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.


KHADAFFY D. TANGGOL
Regional Director

CAR.1 DLBC/EFD/JWC/ABM



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, Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S), Buguias, Benguet**

Respectfully submitting the requirements for the modification of the FY 2024 project: "Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S), Buguias, Benguet" for your endorsement.

FROM			TO		
Project Description					
UACS No. : 320102106856000 Project ID : P00821533LZ					
Construction / Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers			Construction / Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers		
Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S) , Buguias, Benguet			Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+022 - Sta. 0+306 (BS) , Buguias, Benguet		
Physical Target	Unit Cost	Allocation	Physical Target	Unit Cost	Allocation
CW-1: Construction of Flood Mitigation Structure			CW-1: Construction of Flood Mitigation Structure		
480 ln.m.	₱ 40,833.33	₱ 19,600,000.00	421 ln.m.	₱ 46,555.82	₱ 19,600,000.00
EAO (2%)		₱ 400,000.00	EAO (2%)		₱ 400,000.00
TOTAL		₱ 20,000,000.00	TOTAL		₱ 20,000,000.00

For your review.


REX K. OYA-OY
 OIC – District Engineer
 CAR.17.1/VBC/LDR/EPM



Tables for Modification Request Form

A. GENERAL					
1. REGION Cordillera Administrative Region		2. DEO Benguet Second District Engineering Office		3. LEGISLATIVE DISTRICT BENGUET (LONE DISTRICT)	
B. ORIGINAL PROJECT			C. PROPOSED REVISED PROJECT		
4. UACS (Unified Account Code Structure as defined in GAA) 320102106856000					
5. Project Id P00821533LZ					
6. Project Category 002: Protect Lives and Properties Against Major Floods					
7. Sub-Program (P/A/P) Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers					
8. Operating Unit Benguet Second District Engineering Office			18. Operating Unit (Change subject to DBM approval) Benguet Second District Engineering Office		
9. Type of Work (Enter Details for all Components below)			19. Type of Work (Enter Details for all Components below)		
Component ID	Type of Work		Component ID	Type of Work	
CW1	Construction of Flood Mitigation Structure		CW1	Construction of Flood Mitigation Structure	
10. PROJECT DESCRIPTION (as recorded in GAA) Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+162 - Sta. 0+402 (B.S) , Buguias, Benguet			20. PROJECT DESCRIPTION (of the revised project) Construction of Flood Mitigation Structure along Agno River, Salingao Section, Sta. 0+022- Sta. 0+306 (BS) , Buguias, Benguet		
11. ALLOTMENT (P'000) (as recorded in GAA) 20,000			21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment) 20,000		22. CAF (To be obtained from Financial Management office) <input checked="" type="checkbox"/> YES
12. PHYSICAL TARGET (Enter Details for all Components below)			23. PHYSICAL TARGET (Enter Details for all Components below)		
Component ID	Target	Target Unit	Component ID	Target	Target Unit
CW1	480	Lineal Meters (lm)	CW1	421	Lineal Meters (lm)
13. UNIT COST (Enter Details for all Components below)			24. UNIT COST (Enter Details for all Components below)		
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	19,600	40.83333	CW1	19,600	46.55582
EAO	400		EAO	400	
14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014)			25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A" for National Road projects under OO-1)		
Start X	120.828205	End X	120.826233	Start X	120.829140
Start Y	16.793980	End Y	16.794492	Start Y	16.793335
15. ROAD CLASSIFICATION (if applicable)			26. ROAD CLASSIFICATION (if applicable)		
16. IMPLEMENTING OFFICE (Record the Implementing Office of the original project) Benguet Second District Engineering Office			27. IMPLEMENTING OFFICE (Record the Implementing Office of the proposed revised project) Benguet Second District Engineering Office		
17. PROJECT IMPLEMENTATION PLAN (PIP)			28. PROJECT IMPLEMENTATION PLAN (PIP)		

Tables for Modification Request Form

Planned Start Date 04/26/2024	Planned End Date 11/13/2024	Planned Start Date 04/26/2024	Planned End Date 11/13/2024
		29. OVERLAP? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	30. UNDER WARRANTY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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 change in station limits, and the increase in physical target for CW1 – Construction of Flood Mitigation Structure from 480 lineal meters to 421 lineal meters are due to the following:

- *The station limits were modified in order to include identified critical sections along the river bank to support vegetable gardens that are starting to show signs of possible erosion specifically at the left bank: Sta. 0+022 – Sta. 0+047, Sta. 0+099 – Sta. 0+109, and Sta. 0+127 – Sta. 0+296, and at the right bank: Sta. 0+078 – Sta. 0+120, and Sta. 0+131 – Sta. 0+306. The excluded portions / stations have stable rock slopes, thus, do not need mitigation structures.*
- *The increase in the unit cost is due to the need to change in the design of the proposed structure from rubble concrete to stone masonry with concrete armor due to the limited space for the 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: Project Impact Analysis (PIA), 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

NO YES

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

NO YES

Tables for Modification Request Form

35. PREPARED BY:

Name: 
 VANESSA B. CHAN
Position: Engineer II
Office: Benguet 2nd District Engineering Office
Date:

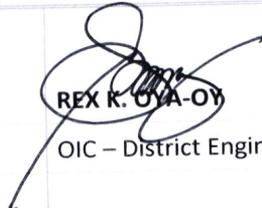
36. REVIEWED BY DISTRICT OFFICE (If Required)

Name: 
 LAWRENCE D. ROMERO
Position: OIC - Chief, Planning and Design Section
Date:

38. REVIEWED BY REGIONAL OFFICE

Name: 
 ANGELITA B. MABITAZAN
Position: Chief, Planning and Design Division
Date:

37. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name: 
 REX K. UYA-OY
Position: OIC - District Engineer
Date:

39. RECOMMENDED BY REGIONAL OFFICE

Name: 
 KHADAFFY D. TANGGOL
Position: Regional Director
Date:

Tables for Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

320102106856000

Project Id

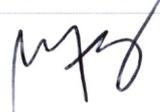
P00821533LZ

40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS

Primary Reason for Request (based on Category of Modification): (choose one)

Category A	Category B	Category C	Category D	Impact
<input type="checkbox"/> Typographical error on Project Description	<input type="checkbox"/> Overlapping Sections <input type="checkbox"/> Change in Station Limits <input type="checkbox"/> Change in Physical Target	<input type="checkbox"/> No such Barangay <input type="checkbox"/> No such City or Municipality	<input type="checkbox"/> Change in (IO), requiring a change in the (OU)	<input type="checkbox"/> No change or decrease in unit cost <input type="checkbox"/> 20% or less increase in unit cost <input type="checkbox"/> > 20% increase in unit cost

Reviewed by Office of the Undersecretary for Operations

Name:	Engr. MANUEL L. SINGSON	Engr. ANTONIO V. SOBREVÍÑAS, JR.
Signature		
Position:	Project Manager I	Project Manager II
Date:	4/18/24	4/18/24

41. DPWH PLANNING SERVICE

Category of Modification (please check the appropriate)	<input type="checkbox"/> Category A – Typographical Error <input type="checkbox"/> Category B – Change in Station Limits <input type="checkbox"/> Category C – Change in Location, due to non-existing location <input type="checkbox"/> Category D – Change in Operating Unit (requires DBM approval) <input type="checkbox"/> Modification does not comply with DBM Categories
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Reviewed by Planning Service

Name:	ANNA ANDREA M. NOCHE	Name:	PETER PAUL R. CORTEZ
Signature		Signature:	
Position:	Regional Coordinator	Position:	OIC - Chief of Programming Division
Date:	04-18-24	Date:	