



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



May 3, 2024

MEMORANDUM

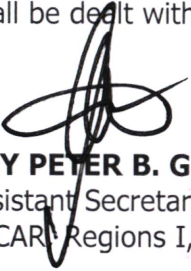
TO : **Regional Director KHADAFFY D. TANGGOL**
DPWH – Region CAR
Engineer's Hill, Baguio City

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

Transmitted herewith is the APPROVED request for the **modification** of hereunder stated project:

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, Paneg-an Section, Sta. 3+228 - Sta. 4+402 (BS), Buguias, Benguet - - - **P65,000,000.00**

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.


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

Project Modification of Allotment under the GAA Request Evaluation Form

Date of Evaluation:

04/16/2024

P/A/P 1 (001, 002, CSSP, LP):	Appropriation Source:	FY 2024 GAA
ORGANIZATIONAL OUTCOME 2 : Protect Lives and Properties Against Major Floods	UACS:	320102106114000
P/A/P 2 (Program):	Project ID:	P00821129LZ
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):	65,000,000

Name of Project per GAA:

Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet

Implementing Office
A Justification for
Modification:

- The change in station limit was necessary to include identified critical sections along the river bank to support sections that show signs of possible erosion, excluding portions and stations that have stable rock slopes and do not need mitigation structures.
- The decrease in physical target is due to the need to change in design from rubble concrete to stone masonry with concrete armor; and the computed hauling cost of materials.

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/sB.1.3 ☒ Change in Station LimitsB.1.2 ☐ Change in Location (for non-existent locations only)B.1.4 ☐ Addition/ Deletion of Word/sB.2 ☒ **PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS**B.2.1 ☒ Change in TargetsB.2.3 ☐ Change in Component AmountB.2.2 ☐ Change in Scope of WorkB.2.3.1 ☐ Addition of Component (including excess amount)B.2.3.2 ☐ Deletion of ComponentB.2.3.3 ☐ Movement of Funds between Components

DPWH - OSEC
RECEIVED
APR 29 2024
By: _____ Time: _____
Control No. 24-06066
IDTS No. 86194

C. RESULTANT AFTER MODIFICATIONC.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	1,404.0 lm	1,120.0 lm	25.36%	-20.23%
CW2	-	-	-	-	-	-
CW3	-	-	-	-	-	-
CW4	-	-	-	-	-	-

D. AS EVALUATEDD.1 ☒ ALLOWED as per the GAA ProvisionsD.2 ☐ NOT ALLOWED as per the GAA Provisions

D.3 Remarks (to be filled-up by Planning Service):

- Change in Station Limits
- Decrease in Target and Increase in Unit Cost without Changes 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 GAAE.1 ☒ SecretaryE.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
OFFICE OF THE SECRETARY
Manila



April 2, 2024

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary
This Department

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;

As per GAA/Original			As Modified		
Project Description					
UACS No. : 320102106114000 Project ID: P00821129LZ 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, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet			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, Paneg-an Section, Sta. 3+228 - Sta. 4+402 (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 / 1,404 Lineal meters	₱ 44,675.93 / Lineal meters	₱ 62,725,000.00	CW1 - Construction of Flood Mitigation Structure / 1,120 Lineal meters	₱ 56,004.46 / Lineal meters	₱ 62,725,000.00
EAO	—	₱ 2,275,000.00	EAO	—	₱ 2,275,000.00
Total:		₱ 65,000,000.00	Total:		₱ 65,000,000.00
Justification: The change in station limits, and the decrease in the physical target of CW1 – Construction of Flood Mitigation Structure from 1,404 lineal meters to 1,120 lineal meters are due to the following:					
<ul style="list-style-type: none">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. 3+228 – Sta. 3+347, Sta. 3+663 – Sta. 3+750, and Sta. 3+925 – Sta. 4+115, and at the right bank: Sta. 3+228 – Sta. 3+690, Sta. 4+067 – Sta. 4+266, and Sta. 4+284 – Sta. 4+402. The excluding 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. Another factor to this increase is the computed hauling cost of materials. The route going to the project site is narrow, and steep, thus, hauling to the stockpile area and manual hauling from the stockpile area to the project site was considered in the calculation of hauling cost.					

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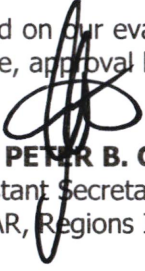
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AG-CO-202404-00851

- 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.

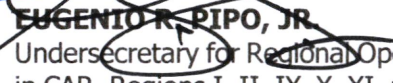
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.


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


EUGENIO R. PIPO, JR.
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, and XIII

APPROVED/~~DISAPPROVED~~:


MANUEL M. BONOAN
Secretary

2.3 mksa/MLS/AVS/RPBG/ERP

Department of Public Works and Highways
Office of the Secretary


WIN4E03314



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, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (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 **Sixty-Five Million Pesos (Php 65,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00821129LZ	
Project Title	Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet	Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 3+228 - Sta. 4+402 (B.S), Buguias, Benguet
Type of Work	CW1 - Construction of Flood Mitigation Structure	CW1 - Construction of Flood Mitigation Structure
Physical Target	CW1 – 1,404 Lineal Meters	CW1 – 1,120 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

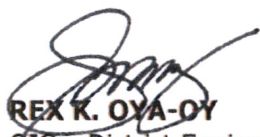
THRU : ANGELITA B. MABITAZAN
Chief, Planning and Design Division

SUBJECT : Submission of Requirements for FY 2024 Modification of the project, Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet

Respectfully submitting the requirements for the modification of the FY 2024 project: "Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet" for your endorsement.

FROM			TO		
Project Description					
UACS No. : 320102106114000 Project ID : P00821129LZ					
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, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet			Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 3+228 - Sta. 4+402 (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		
1,404 ln.m.	₱ 44,675.93	₱ 62,725,000.00	1,120 ln.m.	₱ 56,004.46	₱ 62,725,000.00
EA0 (3.5%)		₱ 2,275,000.00	EA0 (3.5%)		₱ 2,275,000.00
TOTAL		₱ 65,000,000.00	TOTAL		₱ 65,000,000.00

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) 320102106114000					
5. Project Id P00821129LZ					
6. Project Category OO2: 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 Central Office			18. Operating Unit (Change subject to DBM approval) Central 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, Paneg-an Section, Sta. 4+000 - Sta. 4+702 (B.S), Buguias, Benguet			20. PROJECT DESCRIPTION (of the revised project) Construction of Flood Mitigation Structure along Agno River, Paneg-an Section, Sta. 3+228 - Sta. 4+402 (B.S), Buguias, Benguet		
11. ALLOTMENT (P'000) (as recorded in GAA) 65,000			21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment) 65,000		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	1,404	Lineal Meters (lm)	CW1	1,120	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	62,725	44.67593	CW1	62,725	56.00446
EAO	2,275		EAO	2,275	
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	120.856150	End X	120.860827	Start X	120.850921
Start Y	16.752249	End Y	16.752879	Start Y	16.752075
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 01/28/2025	Planned Start Date 04/26/2024	Planned End Date 01/28/2025
		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 decrease in the physical target of CW1 – Construction of Flood Mitigation Structure from 1,404 lineal meters to 1,120 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. 3+228 – Sta. 3+347, Sta. 3+663 – Sta. 3+750, and Sta. 3+925 – Sta. 4+115, and at the right bank: Sta. 3+228 – Sta. 3+690, Sta. 4+067 – Sta. 4+266, and Sta. 4+284 – Sta. 4+402. Furthermore, the remaining stations have a stable rock slope, thus, does 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. Another factor to this increase is the computed hauling cost of materials. The route going to the project site is narrow, and steep, thus, hauling to the stockpile area and manual hauling from the stockpile area to the project site was considered in the calculation of hauling cost.*
- *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

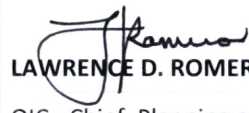
Office:

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. OYA-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)

320102106114000

Project Id

P00821129LZ

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	Name:	Engr. ANTONIO V. SOBREVÍÑAS, JR.
Signature		Signature	
Position:	Project Manager I	Position:	Project Manager III
Date:	4/5/24	Date:	4/2/24

41. DPWH PLANNING SERVICE

Category of Modification
(please check the appropriate)

- ☐ Category A – Typographical Error
- ☐ Category B – Change in Station Limits
- ☐ Category C – Change in Location, due to non-existing location
- ☐ Category D – Change in Operating Unit (requires DBM approval)
- ☐ Modification does not comply with DBM Categories

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:	4-16-24	Date:	