



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



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 - - - **P20,000,000.00**
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 - - - - **P70,000,000.00**

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. PIHO, 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 (001, 002, CSSP, LP):	Appropriation Source:	FY 2024 GAA
ORGANIZATIONAL OUTCOME 2 : Protect Lives and Properties Against Major Floods	UACS:	320102106116000
P/A/P 2 (Program):	Project ID:	P00821131LZ
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):	70,000,000

Name of Project per GAA:

Construction of Flood Mitigation Structure along Agno River, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (B.S), Buguias, Benguet

Implementing Office
A Justification for Modification:

- The station limits were modified since part of the existing flood control structure at the proposed start station limit collapsed and needs a new structure. Furthermore, it is necessary to include the adjacent sections along the river bank that were aggravated during the previous monsoons. In addition, it is necessary to replace the existing 10m. long concrete footbridge that was damaged during typhoon Egay comprising of 2% of the civil works.
- The decrease in physical target is due to the need to lengthen the physical target in consideration to the adjacent sections along the river bank that were aggravated during the previous monsoons. Change in design from 3.0M height to 2.5m

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/s**B.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**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	1,050.0 lm	1,110.0 lm	-5.41%	5.71%
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 of Flood Control Project
- Increase in Target and decrease 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 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
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;

As per GAA/Original			As Modified		
Project Description					
UACS No.: 320102106116000 / Project ID: P00821131LZ / 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+068 - Sta. 0+593 (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, Tin-apan Section, Sta. 0+058 - Sta.0+650 (B.S), 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 / 1,050 Lineal meters	₱ 64,333.33 / Lineal meters	₱ 67,550,000.00	CW1- Construction of Flood Mitigation Structure / 1,110 Lineal meters	₱ 60,855.86 / Lineal meters	₱ 67,550,000.00
EAO	—	₱ 2,450,000.00	EAO	—	₱ 2,450,000.00
Total:		₱ 70,000,000.00	Total:		₱ 70,000,000.00
Justification: The change in station limits, and the increase in physical target for CW1 – Construction of Flood Mitigation Structure from 1,050 lineal meters to 1,110 lineal meters are due to the following:					
<ul style="list-style-type: none">• The station limits were modified since part of the existing flood control structure at the proposed start station limit collapsed and needs a new structure. Furthermore, it is necessary to include the adjacent sections along the river bank that were aggravated during the previous monsoons. In addition, it is necessary to replace the existing 10m. long concrete footbridge that was damaged during typhoon Egay comprising of 2% of the civil works.• The decrease in the unit cost is due to the need to lengthen the physical target in consideration to the adjacent sections along the river bank that were aggravated during the previous monsoons. Another factor contributing to this decrease is the change in height of the proposed structure from 3.0m to 2.5m. Furthermore, the lot situated at around 0+600 was used as stockpile area instead of the previously suggested area, thus, the distance from the stockpile area to the project centroid was shortened to 200m.					

AG-202404-00849

- 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

APPROVED/~~DISAPPROVED~~


EUGENIO R. RIPO, 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, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (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 **Seventy Million Pesos (Php 70,000,000.00)** as indicated below:

	FROM	TO
Project ID	P00821131LZ	
Project Title	Construction of Flood Mitigation Structure along Agno River, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (B.S), Buguias, Benguet	Construction of Flood Mitigation Structure along Agno River, Tin-apan Section, Sta. 0+058 - Sta.0+650 (B.S), Buguias, Benguet
Type of Work	CW1 - Construction of Flood Mitigation Structure	CW1 - Construction of Flood Mitigation Structure
Physical Target	CW1 – 1,050 Lineal Meters	CW1 – 1,110 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.


KHADAFY D. TANGGOL
Regional Director

CAR.1 DLBC/EFD/JWC/ABM



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BENGUET 2ND DISTRICT ENGINEERING OFFICE
Natubleng, Buguias, Benguet, Cordillera Administrative Region



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, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (B.S), Buguias, Benguet

Respectfully submitting the requirements for the modification of the FY 2024 project: "Construction of Flood Mitigation Structure along Agno River, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (B.S), Buguias, Benguet" for your endorsement.

FROM			TO		
Project Description					
UACS No. : 320102106116000 Project ID : P00821131LZ					
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, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (B.S), Buguias, Benguet			Construction of Flood Mitigation Structure along Agno River, Tin-apan Section, Sta. 0+058 - Sta. 0+650 (B.S), 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		
1,050 ln.m.	₱ 64,333.33	₱ 67,550,000.00	1,110 ln.m.	₱ 60,855.86	₱ 67,550,000.00
EAO (3.5%)		₱ 2,450,000.00	EAO (3.5%)		₱ 2,450,000.00
TOTAL		₱ 70,000,000.00	TOTAL		₱ 70,000,000.00

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) 320102106116000							
5. Project Id P00821131LZ							
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, Tin-apan Section, Sta. 0+068 - Sta. 0+593 (B.S), Buguias, Benguet			20. PROJECT DESCRIPTION (of the revised project) Construction of Flood Mitigation Structure along Agno River, Tin-apan Section, Sta. 0+058 - Sta. 0+650 (B.S), Buguias, Benguet				
11. ALLOTMENT (P'000) (as recorded in GAA) 70,000			21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment) 70,000		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	1,050	Lineal Meters (lm)	CW1	1,110	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	67,550	64.33333	CW1	67,550	60.85586		
EAO	2,450		EAO	2,450			
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	120.838378	End X	120.841538	Start X	120.838214	End X	120.841985
Start Y	16.804001	End Y	16.806652	Start Y	16.803898	End Y	16.806963
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 02/15/2025	Planned Start Date 04/26/2024	Planned End Date 02/15/2025
		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 increase in physical target for CW1 – Construction of Flood Mitigation Structure from 1,050 lineal meters to 1,110 lineal meters are due to the following:

- The station limits were modified since part of the existing flood control structure at the proposed start station limit collapsed and needs a new structure. Furthermore, it is necessary to include the adjacent sections along the river bank that were aggravated during the previous monsoons. In addition, it is necessary to replace the existing 10m. long concrete footbridge that was damaged during typhoon Egay comprising of 2% of the civil works.*
- The decrease in the unit cost is due to the need to lengthen the physical target in consideration to the adjacent sections along the river bank that were aggravated during the previous monsoons. Another factor contributing to this decrease is the change in height of the proposed structure from 3.0m to 2.5m. Furthermore, the lot situated at around 0+600 was used as stockpile area instead of the previously suggested area, thus, the distance from the stockpile area to the project centroid was shortened to 200m.*
- 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

Office:

Benguet 2nd District Engineering Office

Position:

Engineer II

Date:

36. REVIEWED BY DISTRICT OFFICE (If Required)

Name:


LAWRENCE D. ROMERO

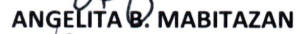
Position:

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)

320102106116000

Project Id

P00821131LZ

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. SOBREVINAS, JR.
Signature		Signature	
Position:	Project Manager I	Position:	Project Manager II
Date:	4/4/24	Date:	4/2/24

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:	