



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

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

1. OO2: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems Construction of Flood Control along Tinoc River, Sta. 21 + 310 - **Sta. 21 + 385, Sta. 22 + 000 - Sta. 22 + 070, Sta. 22 + 700 - Sta. 22 + 750, Sta. 22 + 900 - Sta. 22 + 950, Sta. 23 + 050 - Sta. 23 + 150**, (Ahin Section), Tinoc, Ifugao - - - **₱30,810,000.00**

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:

Project ID: **P00727097LZ**

Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + 800 (Ahin Section), Tinoc, Ifugao

Appropriation: 30,810,000

Implementing Office: Regional Office CAR

Date: 04/12/2023

**A. TYPE OF REQUEST****A.1** ☐ **Change in Implementing Office/Operating Unit due to**A.1.1 ☐ Geographical JurisdictionA.1.2 ☐ Approval of Authority to Bid/Implement**A.2** ☒ **PROJECT MODIFICATION/ADJUSTMENTS**A.2.1 ☐ Typographical Error/sA.2.2 ☐ Change in Location (for non-existent locations only)A.2.3 ☒ Change in Station LimitsA.2.4 ☐ Addition/Deletion of Word/sA.2.5 ☒ Change in Project Component/s DetailsA.2.5.1 ☒ Change in TargetsA.2.5.2 ☐ Change in Scope of Work from \_\_\_\_\_ to \_\_\_\_\_A.2.5.3 ☐ Change in Component AmountA.2.5.4 ☐ Addition of Component (incl. EXC Component)A.2.5.5 ☐ Deletion of ComponentA.2.5.6 ☐ Movement of Funds between Components**B. EVALUATION**B.1 ☒ ALLOWED as per the GAA ProvisionsB.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: 30,810,000

C.2 ☐ released thru GAAAO**D. IMPACT:**

D.1 Condition/s: \_\_\_\_\_ % decrease in unit cost  
 \_\_\_\_\_ 42.03 % increase in unit cost  
 \_\_\_\_\_ 29.59 % decrease in physical target  
 \_\_\_\_\_ % increase in physical target

D.2 ☐ Additional Project ComponentD.3 ☒ Certificate of Cost Reasonableness by RD

D.4 Remarks:

**E. Approving Authority as per D.O. 13, s. 2023, Guidelines on Modification of Allotment under the GAA**E.1 ☐ Undersecretary for OperationsE.2 ☒ Secretary

Evaluated By:

ALEX G. BOTE

Director, Planning Service

Noted By:

CONSTANTE A. LLANES, JR., CESO III

Assistant Secretary, Planning Service

ACTION SLIP

Project ID: **P00727097LZ**

Date:

FOR SECRETARY MANUEL M. BONOAN OR

REMARKS:

☒ Reviewed by Planning Service☐ 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 4, 2023

**MEMORANDUM**

**FOR :** **MANUEL M. BONOAN**  
Secretary  
This Department

This refers to the memorandum dated 20 March 2023 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, requesting for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No.: 320101109760000</b> <b>Project ID: P00727097LZ</b>  002: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems  Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + 800 (Ahin Section), Tinoc, Ifugao			 002: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems  Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + 385, Sta. 22 + 000 - Sta. 22 + 070, Sta. 22 + 700 - Sta. 22 + 750, Sta. 22 + 900 - Sta. 22 + 950, Sta. 23 + 050 - Sta. 23 + 150, (Ahin Section), Tinoc, Ifugao		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure / 490 Lineal Meters	₱ 61,620.00/ Lineal Meters	₱ 30,193,800.00	CW1- Construction of Flood Mitigation Structure / 345 Lineal Meters	₱ 87,518.26/ Lineal Meters	₱ 30,193,800.00
EAO	—	₱ 616,200.00	EAO	—	₱ 616,200.00
<b>Total:</b>		<b>₱ 30,810,000.00</b>	<b>Total:</b>		<b>₱ 30,810,000.00</b>
<b>Justification:</b> Change in Station Limits in the Project Description and Decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 490 Lineal meters to 345 Lineal meters due to the following: <ul style="list-style-type: none"><li>The change in station limit is due to the recommendations from the concerned Local Government Unit during the conduct of public consultation meeting and site validation. It was noted that some sections are founded on hard/ solid rocks, thus, said sections are disregarded and additional critical sections requiring immediate intervention are identified and included in the project.</li><li>The decrease in physical target/ increase in unit cost is due to the increase in the design height from 4 meters to 6 meters of the proposed gabion wall to provide adequate structural freeboard and the provision of gabion mattresses along the base to minimize/ prevent scouring along the foundation. Also, due to the actual condition of the access to the project site, hauling speed was decreased to around 5 to 10 kph along sections with steep terrain (more than 30% grade), thus, the unit cost of select-construction materials subject for hauling also contributed to the increase in unit cost.</li><li>The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA)</li></ul> Attached are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Detailed Engineering Design (DED), BP 202, Geotagged photos, Hydraulic and Hydrologic Analysis, PIA, Master Plan, Certificate of No Overlapping and GIS Map.					

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:**

*subject to further Govt. Reproduction.*  
*Ador G. Canlas*

**MARIA CATALINA E. CABRAL, Ph.D., CESO I**

Undersecretary for Planning  
and Public-Private Partnership Services



**EUGENIO R. PIHO, JR.**

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



WIN3E02826





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

March 20, 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 the Modification of the Project: ORGANIZATIONAL OUTCOME 2 : Protect Lives and Properties Against Major Floods - Flood Management Program - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems - Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + 800 (Ahin Section), Tinoc, Ifugao**

We are respectfully submitting the modification of the above project in the amount of **Thirty Million Eight Hundred Ten Thousand Pesos (Php 30,810,000.00)**, as indicated below:

	As per GAA/Original	As Modified
Project ID	<b>P00727097LZ</b>	
UACS	<b>320101109760000</b>	
Project Title	Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + <b>800</b>  (Ahin Section), Tinoc, Ifugao	Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + <b>385,</b> <b>Sta. 22 + 000 - Sta. 22 + 070,</b> <b>Sta. 22 + 700 - Sta. 22 + 750,</b> <b>Sta. 22 + 900 - Sta. 22 + 950,</b> <b>Sta. 23 + 050 - Sta. 23 + 150,</b> (Ahin Section), Tinoc, Ifugao
Physical Target	<b>490.000</b> Lineal meters	<b>345.000</b> 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 CSCE/EFD/JWC/ABM

## Modification Request Form

### A. GENERAL

**1. REGION**

Cordillera Administrative Region

**2. DEO**

Ifugao First District Engineering Office

**3. LEGISLATIVE DISTRICT**

IFUGAO (LONE DISTRICT)

### B. ORIGINAL PROJECT

### C. PROPOSED REVISED PROJECT

**4. UACS** (Unified Account Code Structure as defined in GAA)

320101109760000

**5. Project Id**

P00727097LZ

**6. Project Category**

002: Protect Lives and Properties Against Major Floods

**7. Sub-Program (P/A/P)**

Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems

**8. Operating Unit**

Ifugao 1st District Engineering Office

**18. Operating Unit** (Change subject to DBM approval)

Ifugao 1st District Engineering Office

**9. Type of Work** (Enter Details for all Components below)

Component ID	Type of Work
CW1	Construction of Flood Mitigation Structure

**19. Type of Work** (Enter Details for all Components below)

Component ID	Type of Work
CW1	Construction of Flood Mitigation Structure

**10. PROJECT DESCRIPTION** (as recorded in GAA)

Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + 800 (Ahin Section), Tinoc, Ifugao

**20. PROJECT DESCRIPTION** (of the revised project)

Construction of Flood Control along Tinoc River, Sta. 21 + 310 - Sta. 21 + 385, Sta. 22 + 000 - Sta. 22 + 070, Sta. 22 + 700 - Sta. 22 + 750, Sta. 22 + 900 - Sta. 22 + 950, Sta. 23 + 050 - Sta. 23 + 150, (Ahin Section), Tinoc, Ifugao

**11. ALLOTMENT (P'000)** (as recorded in GAA)

30,810

**21. REVISED ESTIMATED COST (P'000)** (Equal to, or lower than GAA allotment)

30,810

**22. CAF** (To be obtained from Financial Management office)

☐ YES

**12. PHYSICAL TARGET** (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	490	Lineal Meters (lm)

**23. PHYSICAL TARGET** (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	345	Lineal Meters (lm)

**13. UNIT COST** (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	30,193.800	61.620
EAO	616.200	

**24. UNIT COST** (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	30,193.800	87.51826
EAO	616.200	



## Modification Request Form

**14. PROJECT WORK LOCATION** (Must be defined in strict accordance with DO 65 Series 2014)

Click here to enter text.

Start X 120.94382 End X 120.93528

Start Y 16.76525 End Y 16.77583

**15. ROAD CLASSIFICATION** (if applicable)

N/A

**16. IMPLEMENTING OFFICE** (Record the Implementing Office of the original project)

Cordillera Administrative Region

**17. PROJECT IMPLEMENTATION PLAN (PIP)**

Planned Start Date

05/21/2023

Planned End Date

02/14/2024

**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)

Click here to enter text.

Start X 120.94382 End X 120.93528

Start Y 16.76525 End Y 16.77583

**26. ROAD CLASSIFICATION** (if applicable)

N/A

**27. IMPLEMENTING OFFICE** (Record the Implementing Office of the proposed revised project)

Cordillera Administrative Region

**28. PROJECT IMPLEMENTATION PLAN (PIP)**

Planned Start Date

05/21/2023

Planned End Date

02/14/2024

**29. OVERLAP?**

☒ NO ☐ YES

**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 in the Project Description and Decrease in physical target for CW1 - Construction of Road Slope Protection Structure from 490 Lineal meters to 345 Lineal meters due to the following:

- The change in station limit is due to the recommendations from the concerned Local Government Unit during the conduct of public consultation meeting and site validation. It was noted that some sections are founded on hard/ solid rocks, thus, said sections are disregarded and additional critical sections requiring immediate intervention are identified and included in the project.
- The decrease in physical target/ increase in unit cost is due to the increase in the design height from 4 meters to 6 meters of the proposed gabion wall to provide adequate structural freeboard and the provision of gabion mattresses along the base to minimize/ prevent scouring along the foundation. Also, due to the actual condition of the access to the project site, hauling speed was decreased to around 5 to 10 kph along sections with steep terrain (more than 30% grade), thus, the unit cost of select-construction materials subject for hauling also contributed to the increase in unit cost.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA)

Attached are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Detailed Engineering Design (DED), BP 202, Geotagged photos, Hydraulic and Hydrologic Analysis, PIA, Master Plan, Certificate of No Overlapping and GIS Map.

**33. PHOTOS SUBMITTED**

☐ NO ☒ YES

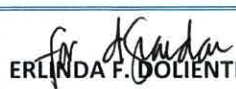
**34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED**

☐ NO ☒ YES

## Modification Request Form

### 35. PREPARED BY:

Name:

  
ERLINDA F. DOLIENTE

Position:

Chief, Planning Section

Office:

Planning and Design Division

Date:

### 36. REVIEWED BY DISTRICT OFFICE (If Required)

Name:

Position:

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:

Position:

Date:

### 39. RECOMMENDED BY REGIONAL OFFICE

Name:

  
KHADAFFY D. TANGGOL

Position:

Regional Director

Date:



## Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

320101109760000

Project Id

P00727097LZ

### 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 checked="" type="checkbox"/> Change in Station Limits <input checked="" 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:	4/4/23	4/4/23

### 41. DPWH PLANNING SERVICE

Category of Modification (please check the appropriate)	<input type="checkbox"/> Category A – Typographical Error <input checked="" 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:	04.12.23	Date:	