



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 **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, Baoknit Section, **Sta. 9+945 - Sta. 10+555 (L.S), Sta. 9+928 - Sta. 10+524 (R.S)**, Buguias, Benguet - - - **P75,000,000.00**
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, Calamagan Section, **Sta. 11+008 - Sta. 11+700 (R.S), Sta. 11+008 - Sta. 11+713 (L.S)**, Buguias, Benguet - - - **P75,000,000.00**
3. 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**
4. 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**
5. 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

Programming Division Evaluation Sheet

Name of Project:

Project ID: **P00726408LZ**

Construction of Flood Mitigation Structure along Agno River, Calamagan Section, Sta. 0 + 012 - Sta. 0 + 472 (L.S), Sta. 0 + 012 - Sta. 0 + 447 (R.S), Sta. 11 + 474 - Sta. 12 + 174 (L.S), Sta. 11 + 743 - Sta. 12 + 068 (R.S), Buguias, Benguet

Appropriation: **75,000,000**Implementing Office: **Benguet 2nd District Engineering Office**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 Workfrom _____
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

DPWH - OSEC
RECEIVED
APR 24 2023
By: _____
Control No. **06701**
IDTS No. **06701**

B. EVALUATIONB.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)C.2 ☒ released thru GAAAO

Amount: _____

75,000,000**D. IMPACT:**

D.1 Condition/s: _____ % decrease in unit cost
60.67 % increase in unit cost
37.76 % 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 GAAE.1 ☐ Undersecretary for OperationsE.2 ☒ Secretary

Evaluated By:

ALEX S. BOTE
Director, Planning Service

Noted By:

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

Project ID:

P00726408LZ

FOR SECRETARY MANUEL M. BONOAN OR _____

Date: _____

REMARKS:

☒ Reviewed by Planning Service
☐ Recommended for Approval
Remarks: _____

ACTION SLIP

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

March 30, 2023

MEMORANDUM

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;

As per GAA/Original			As Modified		
Project Description					
UACS No.: 320102105228000 Project ID.: P00726408LZ					
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, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (R.S), Buguias, Benguet			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		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Flood Mitigation Structure / 1,920 Lineal meters	₱ 37,695.31/ Lineal meters	₱ 72,375,000.00	CW1 – Construction of Flood Mitigation Structure / 1,195 Lineal meters	₱ 60,564.85/ Lineal meters	₱ 72,375,000.00
EAO	–	₱ 2,625,000.00	EAO	–	₱ 2,625,000.00
Total:		₱ 75,000,000.00	Total:		₱ 75,000,000.00
Justification: Change in station limits and decrease in physical target for CW1 - Construction of Flood Mitigation Structure from 1920 Lineal meters to 1195 Lineal meters due to the following:					
<ul style="list-style-type: none">• The removal of station limits 0+012 - 0+472 (L.S), and 0+012 - 0+447 (R.S) along the tributary area of the river was deemed essential since the protection along the principal river was prioritized.• The change in start station limit was deemed essential due to the necessity to protect the agricultural areas downstream that was observed to be flooded during the onslaught of previous typhoons and monsoons.• 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
XIII


EUGENIO R. RIPO, 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



WIN3E02822



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: 002: 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, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (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	TO
Project ID	P00726408LZ	
Project Title	Construction of Flood Mitigation Structure along Agno River, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (R.S) , Buguias, Benguet	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
Physical Target	1,920 Lineal meters	1,195 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.


KHADAFFY D. TANGGOL

Regional Director

CAR.1 DLBC/EPD/JWC/ABM



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, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (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, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (R.S), Buguias, Benguet" for your endorsement.

FROM		TO	
Project Description:			
UACS No.: 320102105228000			
Project ID.: P00726408LZ			
Flood Management Program - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers		Flood Management Program - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers	
Construction of Flood Mitigation Structure along Agno River, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (R.S), Buguias, Benguet		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	
Physical Target	Allocation (PhP)	Physical Target	Allocation (PhP)
CW-1: Construction of Flood Mitigation Structure		CW-1: Construction of Flood Mitigation Structure	
1920 Lineal meters	72,375,000.00	1195 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.


REX K. OYA-OY
OIC - District Engineer
CAR 17.1 VBC/MBB/RKO

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

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

320102105228000

5. Project Id

P00726408LZ

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

9. 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 Mitigation Structure along Agno River, Calamagan Section, Sta. 0+012 - Sta. 0+472 (L.S), Sta. 0+012 - Sta. 0+447 (R.S), Sta. 11+474 - Sta. 12+174 (L.S), Sta. 11+743 - Sta. 12+068 (R.S), Buguias, Benguet

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

75,000

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

Component ID	Target	Target Unit
CW1	1,920	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	72,375.000 ✓	37.69531 ✓
EAO	2,625.000 ✓	

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

Start X	120.843106	End X	120.841498
Start Y	16.813633	End Y	16.819361

15. ROAD CLASSIFICATION (if applicable)

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

Benguet 2nd District Engineering Office

C. PROPOSED REVISED PROJECT

18. Operating Unit (Change subject to DBM approval)

Central Office

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

Component ID	Type of Work
CW1	Construction of Flood Mitigation Structure

20. PROJECT DESCRIPTION (of the revised project)

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

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

75,000

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

☒ YES

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

Component ID	Target	Target Unit
CW1	1,195 ✓	Lineal Meters (lm)

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

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	72,375.000 ✓	60.56485 ✓
EAO	2,625.000 ✓	

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	120.842926	End X	120.843789
Start Y	16.811728	End Y	16.816731

26. ROAD CLASSIFICATION (if applicable)

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

Benguet 2nd District Engineering Office

Tables for Modification Request Form

17. PROJECT IMPLEMENTATION PLAN (PIP)		28. PROJECT IMPLEMENTATION 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?
		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<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)

Change in station limits and decrease in physical target for CW1 - Construction of Flood Mitigation Structure from 1920 Lineal meters to 1195 Lineal meters due to the following:

- The removal of station limits 0+012 - 0+472 (L.S), and 0+012 - 0+447 (R.S) along the tributary area of the river was deemed essential since the protection along the principal river was prioritized.*
- The change in start station limit was deemed essential due to the necessity to protect the agricultural areas downstream that was observed to be flooded during the onslaught of previous typhoons and monsoons.*
- 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 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 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:


MARJORY B. BANAQ

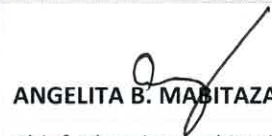
Position:

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:


REMY G. 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)

320102105228000

Project Id

P00726408LZ

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 I
Date:	3/30/23	Date:	3/30/23

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 <i>targets</i> <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:	