



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
QUALITY MANAGEMENT SYSTEM

ABRA DISTRICT ENGINEERING OFFICE

Bangued, Abra



BAGONG PILIPINAS

REFERRAL / ACTION SLIP

FOR/TO: DE J.T. ARAO

Reference No.: CAR.9-2-CO789

SOURCE: E. PIPO JR.

DATE: OCTOBER 09, 2023

SUBJECT: Approved Request for Modification (Naguilian FCS) Php 150m

<input type="checkbox"/>	URGENT, PLEASE RUSH
<input type="checkbox"/>	See me / Let's Discuss
<input type="checkbox"/>	Draft Reply
<input type="checkbox"/>	For Review/ Initial
<input type="checkbox"/>	For Compliance
<input type="checkbox"/>	For Comment / Recommendation
<input type="checkbox"/>	For Review / Evaluation
<input type="checkbox"/>	For Appropriate Action
<input type="checkbox"/>	For Information / Reference
<input type="checkbox"/>	For Dissemination
<input type="checkbox"/>	For File
<input type="checkbox"/>	Return Document/s to me

REMARKS:

APPROVED
E. PIPO JR.

JOSELITO T. ARAO

District Engineer

DEADLINE: _____

DPWH-QMSP-51-04-Rev00

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Quality Management System



ABRA DISTRICT ENGINEERING OFFICE

RMD-HRAS ROUTING SLIP

Reference No.: CAR.9-2-CO789

SOURCE:

E. PIPO JR.

DATE

RECEIVED:

OCTOBER 09, 2023

To:

District Engineer

JOSELITO T. ARAO

Asst. District Engineer

EDWIN T. BRINGAS

Administrative Officer

ARNEL N. BRILLANTES

Section

Others

Note: Action must be taken within 15 days from receipt of correspondence pursuant to the Provision of Sec 5(c) RA 6713



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Bonifacio Drive, Port Area Manila



BAGONG PILIPINAS

October 3, 2023

MEMORANDUM

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


DPWH-ABRA
RECEIVED
Code: 403-81 C0789
Date: 10.9.23

ATTENTION : **JOSELITO T. ARAO**
District Engineer
Abra District Engineering Office
Bangued, Abra

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

1. Convergence and Special Support Program - Sustainable Infrastructure Project Alleviating Gaps (SIPAG) - Flood Mitigation Structure protecting Public Infrastructure/ Facilities Construction of Naguilian Flood Control Flood Control Structure, La Paz, Abra - - - **P150,000,000.00**

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 mksa/AVS/RPBG/ERP



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Bonifacio Drive, Port Area Manila



BAGONG PILIPINAS

October 3, 2023

MEMORANDUM

TO : **KHADAPFY D. TANGGOL**,
Regional Director
DPWH-CAR
Engineer's Hill, Baguio City

ATTENTION : **JOSELITO T. ARAO**,
District Engineer
Abra District Engineering Office
Bangued, Abra

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

1. Convergence and Special Support Program - Sustainable Infrastructure Project Alleviating Gaps (SIPAG) - Flood Mitigation Structure protecting Public Infrastructure/ Facilities - Construction of Naguillian Flood Control Flood Control Structure, La Paz, Abra - - **P150,000,000.00**

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 mksa/MS/RPBG/ERP



Programming Division Evaluation Sheet

Name of Project:

Construction of Neguilan Flood Control Structure, La Paz, Abra

Project ID: **P00740307LZ**

Implementing Office:

Abra District Engineering Office

Appropriation: **150,000,000**Date: **08/23/2023**

A. TYPE OF REQUEST

A.1 ☐ **Change in Implementing Office/ Operating Unit due to**

A.1.1 ☐ Geographical Jurisdiction

A.1.2 ☐ Approval of Authority to Bid/Implement

A.2 ☒ **PROJECT MODIFICATION/ADJUSTMENTS**

A.2.1 ☐ Typographical Error/s

A.2.2 ☐ Change in Location (for non-existent locations only)

A.2.3 ☐ Change in Station Limits

A.2.4 ☐ Addition/Deletion of Word/s

A.2.5 ☐ Change in Project Component/s Details

A.2.5.1 ☒ Change in Targets

Change in Scope of Work from _____ to _____

A.2.5.3 ☐ Change in Component Amount

A.2.5.4 ☐ Addition of Component (Incl. EXC Component)

A.2.5.5 ☐ Deletion of Component

A.2.5.6 ☐ Movement of Funds between Components

B. EVALUATION

B.1 ☒ ALLOWED as per the GAA Provisions

B.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: **150,000,000**

D. IMPACT:

D.1 Condition/s:

% decrease in unit cost

202.10 % increase in unit cost

66.90 % decrease in physical target

% Increase in physical target

D.2 ☐ Additional Project Component

D.3 ☒ Certificate of Cost Reasonableness by RD

D.4 Remarks: **Doc reviewed**

E. Approving Authority as per D.O. 13, s. 2023, Guidelines on Modification of Allotment under the GAA

E.1 ☐ Undersecretary for Operations

E.2 ☒ Secretary

Evaluated By:

A/EK: **NOTE**

Director, Planning Service

Noted By:

CONSTANTE ALZANES, JR., CESO III

Assistant Secretary/Planning Service

Project ID:

P00740307LZ

ACTION SLIP

FOR SECRETARY MANUEL M. BONUAN OR

Date: _____

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
Bonifacio Drive, Port Area Manila



August 15, 2023

MEMORANDUM

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

This refers to the memorandum dated 28 July 2023 of **DPWH CAR Regional Director KHADAFY D. TANGGOL**, endorsing the request of District Engineer **JOSELITO T. ARAO** of **Abra District Engineering Office** for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original		Project Description		As Modified	
UACS No.:300219101297000 Project ID:P00740307LZ		Convergence and Special Support Program - Sustainable Infrastructure Project Alleviating Gaps (SIPAG) - Flood Mitigation Structure protecting Public Infrastructure/ Facilities		Convergence and Special Support Program - Sustainable Infrastructure Project Alleviating Gaps (SIPAG) - Flood Mitigation Structure protecting Public Infrastructure/ Facilities	
Construction of Naguillan Flood Control Flood Control Structure, La Paz, Abra.		Construction of Naguillan Flood Control Flood Control Structure, La Paz, Abra.		Construction of Naguillan Flood Control Flood Control Structure, La Paz, Abra.	
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure / 1230.745 l.m.	₱ 117,611.69/ l.m.	₱144,750,000.00	CW1- Construction of Flood Mitigation Structure/ 407.40 l.m.	₱ 355,301.91/ l.m.	₱ 144,750,000.00
EA0	-	₱5,250,000.00	EA0	-	₱ 5,250,000.00
Total:		₱150,000,000.00	Total:		₱150,000,000.00

Justification:

- The increase in unit cost which resulted to the decrease in the physical target is due to the usage of a reinforced concrete dike type of flood mitigation structure with steel sheet piles consisting of 38.68% of the project direct cost. The steel sheet piles are necessary to prevent scouring and possible failure along the foundation of the proposed mitigation and to ensure over-all stability of the project area.
- Also, the huge/massive rock embankment consisting of 50.09% of the project cost contributed to the high unit cost of the project.
- The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW). The 407.40 l.m. physical target has been derived/computed reference to the evaluation made by the Bureau of Construction as per memorandum dated June 22, 2023.
- See attached Cross-Section Drawing of the Project Submitted by the District Engineer, and the Certificate of Reasonableness of Cost Estimates signed by the Regional Director.

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

MARIA CATALINA E. CABRAL, Ph.D., CESO I
Undersecretary for Planning
and Public-Private Partnership Services


EUGENIO K. PIPO, JR.

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

APPROVED / ~~DISAPPROVED~~:


MANUEL M. BONOAN
Secretary

2.3 mlksa/MLS/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



WIN3E03190



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Bonifacio Drive, Port Area Manila



August 15, 2023

MEMORANDUM

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

This refers to the memorandum dated 28 July 2023 of **DPWH CAR Regional Director KHADAFY D. TANGGOL**, endorsing the request of District Engineer **JOSELITO T. ARAO** of **Abra District Engineering Office** for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original		Project Description		As Modified	
UACS No.:300219101297000 Project ID:P00740307LZ		Convergence and Special Support Program - Sustainable Infrastructure Project Alleviating Gaps (SIPAG) - Flood Mitigation Structure protecting Public Infrastructure/Facilities		Convergence and Special Support Program - Sustainable Infrastructure Project Alleviating Gaps (SIPAG) - Flood Mitigation Structure protecting Public Infrastructure/Facilities	
Construction of Naguilian Flood Control Flood Control Structure, La Paz, Abra		Construction of Naguilian Flood Control Flood Control Structure, La Paz, Abra		Construction of Naguilian Flood Control Flood Control Structure, La Paz, Abra	
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure / 1230.745 l.m.	₱ 117,611.69/ l.m.	₱144,750,000.00	CW1- Construction of Flood Mitigation Structure/ 407.40 l.m.	₱ 355,301.91/ l.m.	₱ 144,750,000.00
EA0	-	₱5,250,000.00	EA0	-	₱ 5,250,000.00
Total:		₱150,000,000.00	Total:		₱150,000,000.00

Justification:

- The increase in unit cost which resulted to the decrease in the physical target is due to the usage of a reinforced concrete dike type of flood mitigation structure with steel sheet piles consisting of 38.68% of the project direct cost. The steel sheet piles are necessary to prevent scouring and possible failure along the foundation of the proposed mitigation and to ensure over-all stability of the project area.
- Also, the huge/massive rock embankment consisting of 50.09% of the project cost contributed to the high unit cost of the project.
- The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW). The as per memorandum dated June 22, 2023.
- See attached Cross-Section Drawing of the Project Submitted by the District Engineer, and the Certificate of Reasonableness of Cost Estimates signed by the Regional Director.

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, XII, and XIII

APPROVED / ~~DISAPPROVED~~:


MANUEL M. BONUAN

Secretary

2.3 mksa/MLS/AVS/AGC/ERP



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

July 28, 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: CONVERGENCE AND SPECIAL SUPPORT PROGRAM: Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Flood Mitigation Structures protecting Public Infrastructures/Facilities- Construction of Naguillan Flood Control Structure, La Paz, Abra

We are respectfully forwarding the Memorandum dated July 24, 2023 from **District Engineer JOSELITO T. ARAO, Abra District Engineering Office**, regarding the above subject in the amount of **One Hundred Million Pesos (Php 100,000,000.00)** as indicated below:

	As per GAA/Original	As Modified
Project ID	P00740307LZ	
UACS	300219101297000	
Project Title	Construction of Naguillan Flood Control Structure, La Paz, Abra	Construction of Naguillan Flood Control Structure, La Paz, Abra
Physical Target	1230.745 Lineal meters	407.400 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 I TPIL/EPD/JWC/ABM



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

July 28, 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: CONVERGENCE AND SPECIAL SUPPORT PROGRAM: Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Flood Mitigation Structures protecting Public Infrastructures/Facilities- Construction of Naguilan Flood Control Structure, La Paz, Abra

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	As per GAA/Original	As Modified
Project ID	P00740307LZ	
UACS	300219101297000	
Project Title	Construction of Naguilan Flood Control Structure, La Paz, Abra	Construction of Naguilan Flood Control Structure, La Paz, Abra
Physical Target	1230.745 Lineal meters	407.400 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 TPL/EEB/JWC/ABM

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Quality Management System

BUREAU OF CONSTRUCTION
4th Floor, Bonifacio Drive, Port Area, Manila

REFERRAL / ACTION SLIP

Reference No.: 6.1 \\
409-6977
DOTS # 6-1-1-226-04
DATE: 06/13/2023 TIME: 2:00:00

FOR/TO: JTS
SOURCE: Usec. Eugenio R. Pipo, Jr.
SUBJECT: Referred: Request of District Engineer Joselito T. Arao, DPWH Abra District Engineering Office, for modification of project under FY 2023 GAA, PID No. P007430712 - Construction of Nauillian Flood Control Structure, La Paz, Abra & 3 others.

DEADLINE:

- | | |
|-------------------------------------|------------------------------|
| <input type="checkbox"/> | URGENT, PLEASE RUSH! |
| <input type="checkbox"/> | See me / Let's discuss |
| <input type="checkbox"/> | Draft reply |
| <input type="checkbox"/> | For review / Initial |
| <input type="checkbox"/> | For compliance |
| <input type="checkbox"/> | For comment / recommendation |
| <input checked="" type="checkbox"/> | For review / evaluation |
| <input checked="" type="checkbox"/> | For appropriate action |
| <input type="checkbox"/> | For information / reference |
| <input type="checkbox"/> | For dissemination |
| <input type="checkbox"/> | For file |
| <input type="checkbox"/> | Return document/s to me |

JTS 8
06-14-2023
10:30 AM

REMARKS: demr 6/14/23 8:51
CBO/RIC
7 Pp. comment/evaluation. S
06-14-2023 10:31 AM
06-14-2023 10:31 AM
OIC-Director
ARISTARCO M. DORAY



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
ABRA
DISTRICT ENGINEERING OFFICE
CORDILLERA ADMINISTRATIVE REGION
Bangued, Abra



July 24, 2023

MEMORANDUM

FOR : KHADAFY D. TANGGOL
Regional Director

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

SUBJECT : Request for the Modification of the Project: CONVERGENCE AND SPECIAL SUPPORT PROGRAM - Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Flood Mitigation Structures protecting Public Infrastructures/Facilities, Construction of Naguillian Flood Control Structure, La Paz, Abra

We are respectfully submitting for review and evaluation the above-mentioned subject for Modification, amounting to **One Hundred Fifty Million Pesos (Php 150,000,000.00)**, as indicated below:

FROM

Project Title:
Construction of Naguillian Flood Control Structure,
La Paz, Abra

TO

Project Title:
Construction of Naguillian Flood Control Structure,
La Paz, Abra

Physical Target:

CW1 – **1230.745** Lineal meters

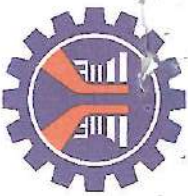
Physical Target:

CW1 – **407.40** Lineal meters

The supporting documents based on D.O. No. 23, series of 2023 are attached for your ready reference.


JOSEILITO T. ARAO
District Engineer

CAR.8.1 MDDJ/CLAR/JTA



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

June 26, 2023

MEMORANDUM

TO : **RD KHADAFY D. TANGGOL**
DPWH - CAR
Engineer's Hill, Baguio City


ATTENTION : **DE JOSELITO T. ARAO**
Abra District Engineering Office
Bangued, Abra

Transmitted herewith is the result of evaluation by the Bureau of Construction (BOC) on the requests for Project Modification under FY 2023 GAA DPWH Infrastructure Program for the four (4) hereunder projects, to wit;

PROJECT NAME	AMOUNT	BOC CORRECTIONS
1. Construction of Naguilian Flood Control Structure, La Paz, Abra	₱ 150,000,000.00	₱ 148,338,000.00
2. Construction of Catacdegan Flood Control, Manabo, Abra	₱ 100,000,000.00	₱ 96,522,000.00
3. Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0427 + 023 - K0430 + 967	₱ 100,000,000.00	₱ 99,878,000.00
4. Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0416 + 938 - K0426 + 392	₱ 100,000,000.00	₱ 99,072,000.00

Also attached are the original documents evaluated by the BOC.

For your appropriate action.


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

2.3 LDAM/AVS/RPBG/ERP

Atto-20-202306-07740



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

June 26, 2023

MEMORANDUM

TO : **RD KHADAFY D. TANGGOL**
DPWH - CAR
Engineer's Hill, Baguio City

ATTENTION : **DE JOSELITO T. ARAO**
Abra District Engineering Office
Bangued, Abra

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4. Installation of Road Safety Devices Along Abra-Ilocos Norte Rd - K0416 + 938 - K0426 + 392	₱ 100,000,000.00	₱ 99,072,000.00

Also attached are the original documents evaluated by the BOC.

For your appropriate action.

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



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Bonifacio Drive, Port Area, Manila

June 05, 2023

MEMORANDUM

TO : ARISTARCO M. DOROY
Office of the Director, Bureau of Construction
Officer-in-Charge
This Department

Referred herewith is a Project Modification request of **DPWH District Engineer JOSELITO T. ARAO, Abra District Engineering Office**, under FY 2023 GAA, to wit:

Item No.	Project ID	Project Description (As per GAA)	Amount (Php)
1	P00740307LZ	Construction of Nauillian Flood Control Structure, La Paz, Abra	150,000,000.00
2	P00726859LZ	Construction of Catadegan Flood Control, Manabo, Abra	100,000,000.00
3	P00739551LZ	Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0427 + 000 – K0431 + 100	100,000,000.00
4	P00739550LZ	Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0416 + 400 – K0426 + 500	100,000,000.00

Attached for your reference are the Program of Works (POWs), Detailed Unit Price Analysis (DUPA), Project Plans, Certificate of Reasonableness of Cost Estimates and Geotagged Photos, etc.

For your evaluation, comments, and/or recommendations.

EUGENIO R. PIPO, JR.

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

3.5 JFF/ECL/AGC/ERP

8

CHECKLIST

PROJECT MODIFICATION

Implementing Office : **Abra District Engineering Office**
Project Name/Location : **CONVERGENCE AND SPECIAL SUPPORT PROGRAM - Sustainable Infrastructure Projects
Alleviating Gaps (SIPAG) - Flood Mitigation Structures protecting Public
Infrastructures/Facilities, Construction of Naguilan Flood Control Structure, La Paz, Abra**

Project ID : **P007403071Z**
Project Location : **Php 150,000,000.00** UACS Code : **300219101297000**

- ☒ **1. Modification Request Form**
☒ **2. All**
☒ **3. Certificate of Availability of Funds**
4. Supporting Data & Analysis
☒ a. Road Condition (RBA Latest Official Database)
☒ b. Traffic Volume Capacity Ratio (for Widening Projects)
☒ c. Bridge Condition (BMS Latest Official Database)
☒ d. Hydraulic & Hydrologic Analysis (for New/Replacement Bridges and Flood Control Projects)
☒ e. RSM Forms (for Road Slips)
☒ f. Project Impact Analysis (for Flood Control Projects)
☒ g. Master Plan (for Flood Control Projects)
☒ **5. BIP 202**
6. Tagged Photos
☒ a. Hard Copy
☒ b. Electronic Copy
☒ c. Plotted in the GIS Map
7. Certificate of No Overlapping
☒ a. District Engineer
☒ b. Construction and Maintenance Division Chiefs
8. ROW Clearance
☒ a. District Engineer
☒ b. LGU
9. Environmental Clearances
☒ a. Not Within a "No Build Zone" (MGB)
☒ b. Tree Cutting Permit (if Applicable-EMB)
☒ c. CNC/ECC/EIA (EMB)
☒ **10. Social Clearance (not within a Declared Heritage/Cultural Site-NCCA)**
☒ **11. Certificate of Reasonableness (for Projects with Changes in Unit Cost)**
12. Project Details
☒ a. POW
☒ b. DUPA
c. Plans
☒ 1. Coverage
☒ 2. Summary of Quantities
☒ 3. Cross Section Showing Changes (if Applicable)
☒ d. Materials Source Map
☒ **13. Certificate of Local Government Unit**

Checked by:


ERLINDA F. DOLIENTE
Engineer III
Chief, Planning Section



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

June 22, 2023

MEMORANDUM

FOR : Undersecretary EUGENIO R. PIPO, JR.

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

Subject : Request for the Approval for Modification of the Projects:

1. SIPAG - Construction of Naguillan Flood Control Structure, La Paz, Abra
2. 002 - Construction of Catacdegan Flood Control, Manabo, Abra
3. CSSP - Installation of Road Safety Devices along Abra – Ilocos Norte Rd.- KO427+000 – KO431+100 to KO427+023 – KO430+967
4. CSSP - Installation of Road Safety Devices along Abra – Ilocos Norte Rd.-KO416+400 – KO426+500 to KO416+938 – KO426+392

This has reference to your memorandum dated June 5, 2023, requesting this Office for evaluation, comments and/or recommendations relative to the request for Modification of the above-enumerated projects. Hereunder are the results of the evaluation made by this Office:

Project No. 1

The amount equivalent to **Php150,000,000.00** for 402.80 lm of flood control structures as submitted were reduced to **Php148,338,000.00** due to the corrections on the utilization of manpower, equipment, unit prices of materials, utilization of no. of hours of equipment/manpower and rental rate of equipment. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and Detailed Engineering Design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 167,208.30	0.12%
Part B	Other General Requirements	P 1,224,480.54	0.86%
Part F	Bridge Construction	P 10,085,522.96	7.05%
Part G-A	Drainage and Slope Protection Works	P 74,326,910.81	51.91%
Part I-A	Earthworks	P 1,312,997.74	0.92%
Part I-B	Bank and Slope Protection Works	P 56,028,761.28	39.14%
	GRAND TOTAL	P 143,145,881.63	100.00%

Cost per lineal meter of F.C. = $\frac{\text{Php}141,754,192.79}{402.80 \text{ l.m.}}$ = Php351,922.03/l.m.
(exclude Part A & B)

Cost of Bank and Slope Protection

Cost per lineal meter of F.C. = $\frac{\text{Php}130,355,672.09}{402.80 \text{ l.m.}}$ = Php323,623.81/l.m.
(Part G-A & I-B only)

The estimated cost of **Php351,922.03** per lineal meter for the Construction of Naguilan Flood Control Structure, La Paz, Abra is due to the design requirements as reflected in the approved design plans wherein the scope of works involves provisions of cut-off wall, massive volume of hand laid rock embankment of 4.00m to 6.59m in height at **51.90%** of the total project cost, and Bank & Slope Protection (concrete slope protection and steel sheet piles, L = 6.0m at 60 kg/m) which accounts to **39.14%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 47.00 km away from the project.

(Part A, B, F, and I-A are excluded)

If Facilities for the Engineer, Other General Requirements, Bridge Construction and Earthworks are excluded in the computation, the resulting cost is only **Php323,623.81** per lineal meter, hence it is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Project No. 2

The amount equivalent to **Php100,000,000.00** for 269.60 lm of flood control structures as submitted were reduced to **Php96,522,000.00** due to the corrections on the utilization of manpower, equipment, unit prices of materials, utilization of no. of hours of equipment/manpower and rental rate of equipment. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and Detailed Engineering Design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 157,513.00	0.17%
Part B	Other General Requirements	P 1,090,605.24	1.17%
Part F	Bridge Construction	P 14,686,673.63	15.77%
Part G-A	Drainage and Slope Protection Structure	P 36,357,658.45	39.03%
Part I-A	Earthworks	P 251,919.53	0.27%
Part I-B	Bank and Slope Protection Works	P 40,598,874.83	43.59%
	GRAND TOTAL	P 93,143,244.68	100.00%

Cost per lineal meter of F.C. = $\frac{\text{Php}91,895,126.44}{269.60 \text{ l.m.}}$ = Php340,857.29/l.m.
(exclude Part A & B)

Cost of Bank and Slope Protection

Cost per lineal meter of F.C. = $\frac{\text{Php}76,956,533.28}{269.60 \text{ l.m.}}$ = Php285,447.08/l.m.
(Part G-A & I-B only)

The estimated cost of **Php340,857.29** per lineal meter for the Construction of Catacdegan Flood Control Structure, Manabo, Abra is due to the design requirements as reflected in the approved design plans wherein the scope of works involves provisions of cut-off wall, massive volume of hand laid rock embankment with 4.00m to 6.00m in height at **38.93%** of the total project cost, and Bank & Slope Protection (concrete slope protection and steel sheet piles, L = 6.0m at 60 kg/m) which accounts to **43.58%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 35.00 km away from the project.

(Part A, B, F, and I-A are excluded)

If Facilities for the Engineer, Other General Requirements, Bridge Construction and Earthworks are excluded in the computation, the resulting cost is only **Php285,447.08** per linear meter, hence it is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Project No. 3

The amount equivalent to **P100,000,000.00** for 660 meter of installation of safety devices as submitted was reduced to **P99,878,000.00** due to the corrections on the utilization of manpower and unit prices of materials. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and detailed engineering design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.68%
Part B	Other General Requirements	P 509,569.80	0.53%
Part H	Miscellaneous Structures	P 95,212,260.65	98.79%
	GRAND TOTAL	P 96,381,632.84	100.00%

Cost per meter of Guardrail = $\frac{\text{P}85,747,971.49}{660 \text{ meters}}$ = P129,921.17/meter

The estimated cost of **P129,921.17** per meter for the Installation of Road Safety Devices along Abra – Ilocos Norte Rd.- KO427+000 – KO431+100 to KO427+023 – KO430+967 to be made of Solar LED Streetlights (240 watts Solar Streetlight, Aluminum alloy, 18V 90W mono solar panel, 12V 60W 5600-600LM Philip, battery etc..) and introduction of new Double Roller Safety Barrier System (Rotating Barrel Ø 345mm x 240 mm, Main Post Ø 139.8 mm x2.2 m x 4.5 mm thk., Intermediate Post Ø 139.8 mm x 0.72 m x 4.5 mm thk., Frame Rail 100 mm x 80 mm x 3.2 mm thk., etc..) which accounts to **9.82%** and **88.97%**, respectively, of the total project cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Project No. 4

The amount equivalent to **P100,000,000.00** for 522 meter of installation of safety devices as submitted was reduced to **P99,072,000.00** due to the corrections on the utilization of manpower and unit prices of materials. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and detailed engineering design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.69%
Part B	Other General Requirements	P 504,743.43	0.53%
Part C	Earthworks	P 61,762.20	0.06%
Part E	Surface Courses	P 458,517.57	0.48%
Part F	Bridge Construction	P 2,569,417.71	2.69%
Part H	Miscellaneous Structures	P 91,349,848.23	95.55%
	GRAND TOTAL	P 95,604,091.53	100.00%

Cost per meter of Guardrail = P67,818,850.18 = P129,921.17/meter
522 meters

The estimated cost of **Php129,921.17** per meter for the Installation of Road Safety Devices along Abra – Ilocos Norte Rd.-KO416+400 – KO426+500 to KO416+938 – KO426+392 to be made of aggregate subbase course, 0.28m thick PCC pavement at 6.7 meter (2 lanes at 3.35m/lane), concrete shoulder to be made of 2.00 meters wide bothside, Solar LED Streetlights (240 watts Solar Streetlight, Aluminum alloy, 18V 90W mono solar panel, 12V 60W 5600-600LM Philip, battery etc..) and introduction of new Double Roller Safety Barrier System (Rotating Barrel Ø 345mm x 240 mm, Main Post Ø 139.8 mm x2.2 m

x 4.5 mm thk., Intermediate Post Ø 139.8 mm x 0.72 m x 4.5 mm thk., Frame Rail 100 mm x 80 mm x 3.2 mm thk. Etc.) which accounts to **24.61%** and **70.94%**, respectively, of the total project cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

For the Undersecretary's information.



ARISTARCO M. DOROY

OIC-Director, Bureau of Construction

cc: Undersecretary MA. CATALINA E. CABRAL, PhD, CESO I, Planning and Public Partnership Services
Undersecretary MAXIMO L. CARVAJAL, For Information Management and Technical Services
OIC-Assst. Secretary REY PETER B. GILLE, For Regional Operations in CAR, Regions I, II, IX, XI, XII and XIII
OIC-Assst. Secretary MEDMIER G. MALIG, For Information Management and Technical Services

6.1.1 RIC/CBC/JTS
06192023 Memo Modification-CAR-AbraDEO
Ref. No. BOC- 6.1-409-6977/DoTs#6.1.1-226-04

June 22, 2023

MEMORANDUM

FOR : Undersecretary EUGENIO R. PIPO, JR.

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

Subject : Request for the Approval for Modification of the Projects:

1. **SIPAG - Construction of Naguillan Flood Control Structure, La Paz, Abra**
2. **002 - Construction of Catacdegan Flood Control, Manabo, Abra**
3. **CSSP - Installation of Road Safety Devices along Abra – Ilocos Norte Rd.- KO427+000 – KO431+100 to KO427+023 – KO430+967**
4. **CSSP - Installation of Road Safety Devices along Abra – Ilocos Norte Rd.-KO416+400 – KO426+500 to KO416+938 – KO426+392**

This has reference to your memorandum dated June 5, 2023, requesting this Office for evaluation, comments and/or recommendations relative to the request for Modification of the above-enumerated projects. Hereunder are the results of the evaluation made by this Office:

Project No. 1

The amount equivalent to **Php150,000,000.00** for 402.80 lm of flood control structures as submitted were reduced to **Php148,338,000.00** due to the corrections on the utilization of manpower, equipment, unit prices of materials, utilization of no. of hours of equipment/manpower and rental rate of equipment. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and Detailed Engineering Design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A ✓	Facilities for the Engineer	P 167,208.30	0.12%
Part B ✓	Other General Requirements	P 1,224,480.54	0.86%
Part F ✓	Bridge Construction	P 10,085,522.96	7.05%
Part G-A	Drainage and Slope Protection Works	P 74,326,910.81	51.91%
Part I-A ✓	Earthworks	P 1,312,997.74	0.92%
Part I-B	Bank and Slope Protection Works	P 56,028,761.28	39.14%
	GRAND TOTAL	P 143,145,881.63	100.00%

Cost per lineal meter of F.C. = Php141,754,192.79 = Php351,922.03/l.m.
(exclude Part A & B) 402.80 l.m.

Cost of Bank and Slope Protection

Cost per lineal meter of F.C. = Php130,355,672.09 = Php323,623.81/l.m.
(Part G-A & I-B only) 402.80 l.m.

The estimated cost of **Php351,922.03** per lineal meter for the Construction of Naguillan Flood Control Structure, La Paz, Abra is due to the design requirements as reflected in the approved design plans wherein the scope of works involves provisions of cut-off wall, massive volume of hand laid rock embankment of 4.00m to 6.59m in height at **51.90%** of the total project cost, and Bank & Slope Protection (concrete slope protection and steel sheet piles, L = 6.0m at 60 kg/m) which accounts to **39.14%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 47.00 km away from the project.

(Part A, B, F, and I-A are excluded)

If Facilities for the Engineer, Other General Requirements, Bridge Construction and Earthworks are excluded in the computation, the resulting cost is only **Php323,623.81** per lineal meter, hence it is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Project No. 2

The amount equivalent to **Php100,000,000.00** for 269.60 lm of flood control structures as submitted were reduced to **Php96,522,000.00** due to the corrections on the utilization of manpower, equipment, unit prices of materials, utilization of no. of hours of equipment/manpower and rental rate of equipment. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and Detailed Engineering Design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 157,513.00	0.17%
Part B	Other General Requirements	P 1,090,605.24	1.17%
Part F	Bridge Construction	P 14,686,673.63	15.77%
Part G-A	Drainage and Slope Protection Structure	P 36,357,658.45	39.03%
Part I-A	Earthworks	P 251,919.53	0.27%
Part I-B	Bank and Slope Protection Works	P 40,598,874.83	43.59%
	GRAND TOTAL	P 93,143,244.68	100.00%

Cost per lineal meter of F.C. = $\frac{\text{Php}91,895,126.44}{269.60 \text{ l.m.}}$ = Php340,857.29/l.m.
(exclude Part A & B)

Cost of Bank and Slope Protection

Cost per lineal meter of F.C. = $\frac{\text{Php}76,956,533.28}{269.60 \text{ l.m.}}$ = Php285,447.08/l.m.
(Part G-A & I-B only)

The estimated cost of **Php340,857.29** per lineal meter for the Construction of Catacdegan Flood Control Structure, Manabo, Abra is due to the design requirements as reflected in the approved design plans wherein the scope of works involves provisions of cut-off wall, massive volume of hand laid rock embankment with 4.00m to 6.00m in height at **38.93%** of the total project cost, and Bank & Slope Protection (concrete slope protection and steel sheet piles, L = 6.0m at 60 kg/m) which accounts to **43.58%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 35.00 km away from the project.

(Part A, B, F, and I-A are excluded)

If Facilities for the Engineer, Other General Requirements, Bridge Construction and Earthworks are excluded in the computation, the resulting cost is only **Php285,447.08** per linear meter, hence it is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Project No. 3

The amount equivalent to **P100,000,000.00** for 660 meter of installation of safety devices as submitted was reduced to **P99,878,000.00** due to the corrections on the utilization of manpower and unit prices of materials. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and detailed engineering design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.68%
Part B	Other General Requirements	P 509,569.80	0.53%
Part H	Miscellaneous Structures	P 95,212,260.65	98.79%
	GRAND TOTAL	P 96,381,632.84	100.00%

Cost per meter of Guardrail = $\frac{\text{P}85,747,971.49}{660 \text{ meters}}$ = P129,921.17/meter

The estimated cost of **P129,921.17** per meter for the Installation of Road Safety Devices along Abra – Ilocos Norte Rd.- KO427+000 – KO431+100 to KO427+023 – KO430+967 to be made of Solar LED Streetlights (240 watts Solar Streetlight, Aluminum alloy, 18V 90W mono solar panel, 12V 60W 5600-600LM Philip, battery etc..) and introduction of new Double Roller Safety Barrier System (Rotating Barrel Ø 345mm x 240 mm, Main Post Ø 139.8 mm x2.2 m x 4.5 mm thk., Intermediate Post Ø 139.8 mm x 0.72 m x 4.5 mm thk., Frame Rail 100 mm x 80 mm x 3.2 mm thk., etc..) which accounts to **9.82%** and **88.97%**, respectively, of the total project cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Project No. 4

The amount equivalent to **P100,000,000.00** for 522 meter of installation of safety devices as submitted was reduced to **P99,072,000.00** due to the corrections on the utilization of manpower and unit prices of materials. Likewise, the items of works and corresponding quantities were based in the submitted Programs of Works (POW) and detailed engineering design plans duly approved by the District Engineer, Abra District Engineering Office, CAR.

SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineer	P 659,802.38	0.69%
Part B	Other General Requirements	P 504,743.43	0.53%
Part C	Earthworks	P 61,762.20	0.06%
Part E	Surface Courses	P 458,517.57	0.48%
Part F	Bridge Construction	P 2,569,417.71	2.69%
Part H	Miscellaneous Structures	P 91,349,848.23	95.55%
	GRAND TOTAL	P 95,604,091.53	100.00%

Cost per meter of Guardrail = P67,818,850.18 = P129,921.17/meter
522 meters

The estimated cost of **Php129,921.17** per meter for the Installation of Road Safety Devices along Abra – Ilocos Norte Rd.-KO416+400 – KO426+500 to KO416+938 – KO426+392 to be made of aggregate subbase course, 0.28m thick PCC pavement at 6.7 meter (2 lanes at 3.35m/lane), concrete shoulder to be made of 2.00 meters wide bothside, Solar LED Streetlights (240 watts Solar Streetlight, Aluminum alloy, 18V 90W mono solar panel, 12V 60W 5600-600LM Philip, battery etc..) and introduction of new Double Roller Safety Barrier System (Rotating Barrel Ø 345mm x 240 mm, Main Post Ø 139.8 mm x2.2 m

x 4.5 mm thk., Intermediate Post Ø 139.8 mm x 0.72 m x 4.5 mm thk., Frame Rail 100 mm x 80 mm x 3.2 mm thk. Etc.) which accounts to **24.61%** and **70.94%**, respectively, of the total project cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

For the Undersecretary's information.


ARISTARCO M. DOROS
OIC-Director, Bureau of Construction

cc: Undersecretary MA. CATALINA E. CABRAL, PhD., CESO I, Planning and Public Partnership Services
Undersecretary MAXIMO L. CARVAJAL, For Information Management and Technical Services
OIC-Assst. Secretary REY PETER B. GILLE, For Regional Operations in CAR, Regions I, II, IX, XI, XII and XIII
OIC-Assst. Secretary WEDMIR G. MALIG, For Information Management and Technical Services

OIC-Assst. Dir. MIP 
JTS 
CBC 
RIC - 

6.1.1 RIC/CBC/JTS
06192023 Memo Modification-CAR-AbraDEO
Ref. No. BOC- 6.1-409-6977/DoTs#6.1.1-226-04



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Bonifacio Drive, Port Area, Manila

June 05, 2023

MEMORANDUM

TO : ARISTARCO M. DORAY
Office of the Director, Bureau of Construction
Officer-in-Charge
This Department



Referred herewith is a Project Modification request of **DPWH District Engineer JOSELITO T. ARAO, Abra District Engineering Office**, under FY 2023 GAA, to wit:

Item No.	Project ID	Project Description (As per GAA)	Amount (Php)
1	P00740307LZ	Construction of Nautilian Flood Control Structure, La Paz, Abra	150,000,000.00
2	P00726859LZ	Construction of Catadegan Flood Control, Manabo, Abra	100,000,000.00
3	P00739551LZ	Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0427 + 000 – K0431 + 100	100,000,000.00
4	P00739550LZ	Installation of Road Safety Devices Along Abra-Ilocos Norte Rd – K0416 + 400 – K0426 + 500	100,000,000.00

Attached for your reference are the Program of Works (POWs), Detailed Unit Price Analysis (DUPA), Project Plans, Certificate of Reasonableness of Cost Estimates and Geotagged Photos, etc.

For your evaluation, comments, and/or recommendations.


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

3.5 JFF/ECL/AGC/ERP

Modification Request Form

A. GENERAL

1. REGION	2. DEO	3. LEGISLATIVE DISTRICT
Cordillera Administrative Region ✓	Abra District Engineering Office ✓	Abra Lone District

B. ORIGINAL PROJECT

4. UACS (Unified Account Code Structure as defined in GAA)
300219101297000 ✓

5. Project Id
P00740307LZ ✓

6. Project Category
Convergence and Special Support Program ✓

7. Sub-Program (P/A/P)
Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Flood Mitigation Structures protecting Public Infrastructures/Facilities ✓

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

EA0 Choose an item.

Choose an item.

Click here to enter text.

Choose an item.

Choose an item.

Click here to enter text.

Choose an item.

Choose an item.

10. PROJECT DESCRIPTION (as recorded in GAA)

20. PROJECT DESCRIPTION (of the revised project)

Construction of Naguillan Flood Control Structure, La Paz, Abra ✓

Construction of Naguillan Flood Control Structure, La Paz, Abra ✓

11. ALLOTMENT (P'000) (as recorded in GAA)
150000 ✓

21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment)
150000 ✓

22. CAF (To be obtained from Financial Management office)
☐ 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	1230.745 ✓	Linear Meters (lm) ✓	CW1	407.40	Linear Meters (lm)

EA0 Click here to enter text.

Choose an item.

Click here to enter text.

Choose an item.

Click here to enter text.

Choose an item.

Click here to enter text.

Choose an item.

Click here to enter text.

Choose an item.

Click here to enter text.

Choose an item.

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)
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CW1 144750 ✓ 117.61169 ✓ CW1 144750

355.30191

EA0 5250 ✓ Click here to enter text.

Modification Request Form

Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014)
Click here to enter text.

25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A" for National Road projects under 00-1)

Start X	120.639	End X	120.635
Start Y	17.6415	End Y	17.6388

15. ROAD CLASSIFICATION (if applicable)
Choose an item.

26. ROAD CLASSIFICATION (if applicable)
Choose an item.

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

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

17. PROJECT IMPLEMENTATION PLAN (PIP)	28. PROJECT IMPLEMENTATION PLAN (PIP)
Planned Start Date	Planned End Date
August 1, 2023	May 22, 2024

29. OVERLAP? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	30. UNDER WARRANTY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
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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 increase in unit cost which resulted to the decrease in the physical target is due to the usage of a reinforced concrete dike type of flood mitigation structure with steel sheet piles consisting of 38.68% of the project direct cost. The steel sheet piles are necessary to prevent scouring and possible failure along the foundation of the proposed mitigation and ensure over-all stability of the project area.
- Also, the huge/massive rock embankment consisting of 50.09% of the project cost contributed to the high unit cost of the project.
- The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW) with reference to the evaluation made by the Bureau of Construction as per memorandum dated June 26, 2023.
- See attached Cross-Section Drawing of the Project Submitted by the District Engineer, and the Certificate of Reasonableness of Cost Estimates signed by the Regional Director.

33. PHOTOS SUBMITTED
☐ NO ☒ YES

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED
☐ NO ☒ YES

Modification Request Form

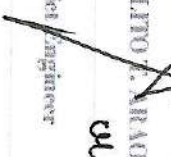

35. PREPARED BY:

Name:  MECER D. JAVIER	Position: ENGINEER II
Office: Abra District Engineering Office	Date: Click here to enter a date.

36. REVIEWED BY DISTRICT OFFICE (if Required)

Name:  CHONA LUIS A. RAMOS	Name: ANGELITA LABITAZAN
Position: Chief, Planning and Design Section	Position: Chief, Planning and Design Division
Date:	Date:

37. RECOMMENDED BY DISTRICT OFFICE (if Required)

Name:  JOSEFINO L. ARAO	Name:  KIMADAPPY D. DEXCEL
Position: District Engineer	Position: Regional Director
Date:	Date:

39. RECOMMENDED BY REGIONAL OFFICE

Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

300219101297000

Project Id



P00740307LZ

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 Signature:  Position: Project Manager I Date: 8/15/23	Name: Engr. ANTONIO V. SOBREVÍÑAS, JR. Signature:  Position: Project Manager II Date: 8/15/23
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41. DPWH PLANNING SERVICE

Category of Modification
(please check the appropriate)

- ☐ Category A – Typographical Error
- ☒ Category B – Change in Station Limits / targets
- ☐ 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 Signature:  Position: CAR-Regional Coordinator Date: 8/23/23	Name: PETER PAUL R. CORTEZ Signature:  Position: Chief of Programming Division Date:
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