



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

APR 29 2021

**MEMORANDUM**

**TO : Regional Director VIRGILIO C. EDUARTE**  
Regional Office V

**ATTENTION : OIC - District Engineer FELIX M. DIMAANO**  
Sorsogon 2<sup>nd</sup> District Engineering Office

Transmitted herewith are the **duly approved** Request for Modification for the projects under FY 2021 General Appropriation Act (GAA), RA 11518, viz:

<i>Date Approved</i>	<i>As per GAA/Original</i>		<i>As Modified</i>	
	Project Description			
APR 29 2021	1. Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <b>Sta. 4+608-Sta. 5+424</b>		Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <b>Sta. 11+185-Sta. 12+212</b>	
	CW-1 Construction of Concrete Road – <b>4.29 Lane Km</b>	₱ 49,500,000	CW-1 Construction of Concrete Road – <b>2.64 Lane Km</b>	₱ 49,500,000
	EAO	₱ 500,000	EAO	₱ 500,000
	<b>Total</b>	<b>₱ 50,000,000</b>	<b>Total</b>	<b>₱ 50,000,000</b>

In this regard, please be reminded that a **project can only be modified once** as prescribed under the FY 2021 GAA, and all approved modifications **shall be posted in the DPWH website within five (5) days from receipt thereof**. Failure to comply with this requirement shall be meted with appropriate sanctions.

Please be guided accordingly.

  
**RAFAEL C. YABUT**

Senior Undersecretary  
Undersecretary for Regional Operations  
Regions I, II, III, IV-A, V and CAR

cc: **Undersecretary MARIA CATALINA E. CABRAL, Ph.D.**, Information Management, Planning and PPP Services  
**Assistant Secretary WILFREDO S. MALLARI.**, Regional Operations in Regions I, II, III, IV-A, V and CAR



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

**Programming Division Evaluation Sheet**

Name of Project: Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424 Project ID: P00564921LZ  
Appropriation: 50,000,000  
Implementing Office: Sorsogon 2nd DEO Date: 04/20/2021

**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 ONLY  
    A.2.5.2 ☐ Change in Scope of Work ONLY  
    A.2.5.3 ☐ Change in Component Amount ONLY  
    A.2.5.4 ☐ Addition of Component ONLY (incl. EXC Component)  
    A.2.5.5 ☐ Deletion of Component ONLY  
    A.2.5.6 ☐ Movement of Funds bet. Components ONLY  
    A.2.5.7 ☐ MULTIPLE changes in Component Details

**DPWH - OSEC  
RECEIVED**  
APR 28 2021  
By: \_\_\_\_\_ Time: \_\_\_\_\_  
Control No.: 21-4132  
IDTS No.: 64295

**B. EVALUATION**

- B.1 ☒ MAY BE ALLOWED as per the GAA Provisions  
B.2 ☐ NOT ALLOWED as per the GAA Provisions

**C. FUND SOURCE FY 2021 GAA, R.A. 11518**

- C.1 ☐ FLR (☐Released ☐Unreleased) Amount: \_\_\_\_\_  
C.2 ☒ FCR

**D. Remarks:** Decreased in physical target by 38.46% and Increased in Unit Cost by 62.51%

Evaluated By: Janica Anna P. Ojenar-Beloy  
Regional Coordinator

Noted By: Leonora G. Galang  
Section Chief

**ACTION SLIP**

Project ID: P00564921LZ Date: \_\_\_\_\_  
FOR : USEC FOR OPERATIONS ☒ RCY ☐ RBB ☐ ERP ☐ EKS

REMARKS: ☒ Reviewed by Planning Service  
☒ Recommended for Approval  
☐ Remarks: \_\_\_\_\_

MARIA CATALINA E. CABRAL, PhD, CESO I

Undersecretary for Information Management, Planning  
and PPP Services





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

APR 29 2021

MEMORANDUM

FOR : **MARK A. VILLAR**  
Secretary

Respectfully forwarded is the memorandum dated March 8, 2021 of Regional Director **VIRGILIO C. EDUARTE, DPWH-REGION V**, endorsing the request of District Engineer **FELIX M. DIMAANO, Sorsogon 2<sup>nd</sup> DEO**, for the **modification** of project under the FY 2021 GAA, RA 11518 to wit:

As per GAA/Original			As Modified		
<b>Project Description</b>					
UACS No. 300117209368000 Project ID: P00564921LZ					
Local Program			Local Program		
Local Roads and Bridges - Local Roads - Local Infrastructure Program			Local Roads and Bridges - Local Roads - Local Infrastructure Program		
Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424			Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 11+185-Sta. 12+212		
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost
CW-1 Construction of Concrete Road – 4.29 Lane Km	₱ 11,538 / Lane Km	₱ 49,500,000	CW-1 Construction of Concrete Road – 2.64 Lane Km	₱ 18,750 / Lane Km <i>₱ 37M/km</i>	₱ 49,500,000
EAO	-	₱ 500,000	EAO	-	₱ 500,000
Total:		₱ 50,000,000	Total:		₱ 50,000,000
<b>Justification:</b> <i>62% decrease in physical target</i> <ul style="list-style-type: none"><li>Change in station limits since there is an adjacent project of the same funding year (Sta. 2+712 – Sta. 4+064) which is the access to the original station. With simultaneous operation, the original station will only cause delay, considering the cash-based budgeting. Thus, adjusting the station limits with access to the work station in need of road concreting.</li><li>Decrease in physical target due to increase in unit cost attributed by <u>high volume of cut/excavation since the project is situated on mountainous area</u>. Further, there is a need of slope protection structure to ensure stability of the road which comprises 17.47% of the total construction cost.</li><li>The derived unit cost and physical target were based on the approved plans, POW, DUPA, CPMD and Certificate of Cost Reasonableness.</li></ul>					

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

*[Signature]*  
**RAFAEL C. TABUT**  
Senior Undersecretary  
Undersecretary for Operations  
Regions I, II, III, IV-A, V and CAR

**APPROVED/DISAPPROVED:**

*[Signature]*  
**MARK A. VILLAR**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



WIN1C03758



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**SORSOGON SECOND**  
**DISTRICT ENGINEERING OFFICE**  
REGIONAL OFFICE V  
Payawin, Gubat, Sorsogon

February 08, 2021

**MEMORANDUM**

**FOR :** The Regional Director  
DPWH Region V, Rawis, Legazpi City

**ATTENTION :** The Chief, Planning and Design Division

**SUBJECT :** REQUEST FOR MODIFICATION

Submitted herein for favorable consideration and approval is the proposed modification of project included under FY 2021 GAA, for District Office Implementation, to wit:

FROM		TO	
Original Title		New Project Title	
Project Name & Location	Amount (P'000)	Project Name & Location	Amount (P'000)
Ariman-Jct Bulusan Lake Rd - K0618 + 080 - K0618 + 2600, K0618 + 460 - K0618 + 000	P50,000	Ariman-Jct Bulusan Lake Rd - K0616 + 322 - K0617 + 000, K0617 + 519 - K0618 + 240, K0618 + 946 - K0619 + 097, K0619 + 796 - K0620 + 876, K0621 + 714 - K0621 + 918	P50,000
Ariman-Casiguran Rd - K0607 + 400 - K0607 + 500	P10,000	Asset Preservation- Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide- Tertiary Roads- Ariman- Casiguran Road K0607+400 - K0607+492, K0607+535 - K0607+635, K0608+100 - K0608+225, K0608+310 - K0608+430	P10,000
Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424	P50,000	Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 11+185-Sta. 12+212	P50,000
<b>TOTAL</b>	<b>P110,000</b>	<b>TOTAL</b>	<b>P110,000</b>

For your perusal and information.

**FELIX M. DIMAANO, JR.**  
OIC - District Engineer

RO5.23.1 WSF/JFG



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**SORSOGON SECOND**  
**DISTRICT ENGINEERING OFFICE**  
REGIONAL OFFICE V  
Payawin, Gubat, Sorsogon

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Ariman-Casiguran Rd - K0607 + 400 - K0607 + 500	P10,000	Asset Preservation- Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide- Tertiary Roads- Ariman- Casiguran Road K0607+400 - K0607+492, K0607+535 - K0607+635, K0608+100 - K0608+225, K0608+310 - K0608+430	P10,000
Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424	P50,000	Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 11+185-Sta. 12+212	P50,000
<b>TOTAL</b>	<b>P110,000</b>	<b>TOTAL</b>	<b>P110,000</b>

For your perusal and information.

  
**FELIX M. DIMAANO, JR.**  
OIC - District Engineer

  
RO5.23.1 WSF/JFG





Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**SORSOGON SECOND**  
**DISTRICT ENGINEERING OFFICE**  
REGIONAL OFFICE V  
Payawin, Gubat, Sorsogon

March 15, 2021

## TECHNICAL JUSTIFICATION OF CHANGE IN STATION LIMIT

Project: **Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424**

FROM		TO	
Scope of Work	Project Title	Scope of Work	Project Title
CW1 –  <i>Construction of Concrete Road</i>	<i>Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424</i>	CW1 –  <i>Construction of Concrete Road</i>	<i>Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 11+185-Sta. 12+212</i>

The change in station limit from *Sta. 4+608-Sta. 5+424* to *Sta. 11+185-Sta. 12+212*, is necessary due to following purposes, to wit:

1. To pursue the original station limit of the Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon will result to the following:
  - a.) There is an adjacent project (Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 2+712-Sta. 4+068) with the same funding year. The only access to the project is to pass through the first station (Sta. 2+712-Sta. 4+068). With simultaneous operation of the project, this will only cause a delay on the construction stage.
  - b.) The fund allocation is insufficient to achieve the original physical target and the scope of work. The project is situated in mountainous terrain, there is a huge volume of embankment and excavation involved plus other factors to be considered. Considering the fund allocated, it is difficult to attain the desired grade of road for smooth traffic flow and safety of motorists.
  - c.) A thorough study is required for the proper implementation of the project. With the given time frame, delay on the planning stage is much of a concern.
2. With regards to the new station limit of the project:
  - a.) The new limit relocated at the end of the road section between intersection of Brgy. Liang and National Road has an existing road, construction of road on this new project line is more feasible and has easier access to Daan Maharlika Highway.

- b.) This will favor the residents of Brgy. Liang and more convenient for them to travel and transport their agricultural products to the town proper.

Thus, correction of station limit is needed to prioritize section of road that needs to be improved.

Prepared By:

  
**WILFREDO S. FAJARDO**  
Chief, Planning and Design Section

Noted By:

  
**FELIX M. DIMAANO, JR.**  
District Engineer

RO5.23.1 DEG/WSF/JFG



Republic of the Philippines  
**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**  
**REGIONAL OFFICE V**

Regional Government Center, Rawis, Legazpi City

March 8, 2021

**MEMORANDUM**

**FOR :** **Secretary MARK A. VILLAR**  
This Department

**THRU :** **Senior Undersecretary RAFAEL C. YABUT**  
Undersecretary for Regional Operations  
Regions I, II, III, IV-A, V, and CAR

**MARIA CATALINA E. CABRAL, Ph.D., CESO I**  
Undersecretary for Information Management, Planning and PPP Services

**SUBJECT :** **Modification Request for Project included under the FY 2021 GAA (RA 11518) within SORSOGON SECOND DISTRICT for Sorsogon 2nd District Engineering Office Implementation**

Forwarded is the Memorandum dated February 08, 2021 of District Engineer Felix M. Dimaano, Jr., Sorsogon 2nd District Engineering Office, Bagacay, Gubat, Sorsogon relative to the proposed modification under Local Program - Local Infrastructure Program - Local Roads and Bridges - Local Roads, included in FY 2021 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11518, for Sorsogon 2nd District Engineering Office Implementation, viz:

FROM (As per GAA)				TO (As Modified)					
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)	UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)		
300117209368000 / P00564921LZ									
Local Program - Local Infrastructure Program - Local Roads and Bridges - Local Roads									
Project:	Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <b>Sta. 4+608-Sta. 5+424</b>			Project:	Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <b>Sta. 11+185 - Sta. 12+212</b>				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Construction of Concrete Road	4.29	Lane Km	49,500.000	CW1	Construction of Concrete Road	2.64	Lane Km	49,500.000
EAO	-	-	-	500.000	EAO	-	-	-	500.000
TOTAL				50,000.00	TOTAL				50,000.00
REMARKS/JUSTIFICATION:									
- Change in Station Limits from Sta. 4+608-Sta. 5+424 to Sta. 11+185 - Sta. 12+212, since the funding allocation is insufficient for the additional civil work of Road Slope Protection Structure in 4+608-Sta. 5+424.									
- Decrease in physical target due to the increase in cost of materials, equipment and labor rates as per CMPD 2020 4th Quarter.									

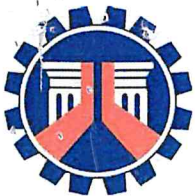
Attached are accomplished Evaluation Form for Modification, Approved Programs of Work, Certificate of Availability of Funds, and other supporting documents in support to the request.

For favorable consideration.

**VIRGILIO C. EDUARTE, CESO IV**  
Regional Director

R05.1 HLB/EMV/BMF/MNL





Republic of the Philippines  
**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**  
**REGIONAL OFFICE V**  
Regional Government Center, Legazpi City



March 8, 2021

**MEMORANDUM**

**FOR :** Secretary MARK A. VILLAR  
This Department

**THRU :** Senior Undersecretary RAFAEL C. YABUT  
Undersecretary for Regional Operations  
Regions I, II, III, IV-A, V, and CAR

**MARIA CATALINA E. CABRAL, Ph.D., CESO I**  
Undersecretary for Information Management, Planning and PPP Services

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FROM (As per GAA)					TO (As Modified)				
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)		UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)	
300117209368000 / -									
Local Program - Local Infrastructure Program - Local Roads and Bridges - Local Roads									
Project: Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <i>Sta. 4+608-Sta. 5+424</i>					Project: Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <i>Sta. 11+185 - Sta. 12+212</i>				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Construction of Concrete Road	4.29	Lane Km	49.500	CW1	Construction of Concrete Road	2.64	Lane Km	49.500
EAO	-	-	-	0.500	EAO	-	-	-	0.500
TOTAL				50.00	TOTAL				50.00
REMARKS/JUSTIFICATION:									
- Change in Station Limits from Sta. 4+608-Sta. 5+424 to Sta. 11+185 - Sta. 12+212, since the funding allocation is insufficient for the additional civil work of Road Slope Protection Structure in 4+608-Sta. 5+424.									
- Decrease in physical target due to the increase in cost of materials, equipment and labor rates as per CMPD 2020 4th Quarter.									

Attached are accomplished Evaluation Form for Modification, Approved Programs of Work, Certificate of Availability of Funds, and other supporting documents in support to the request.

For favorable consideration.

**VIRGILIO C. EDUARTE, CESO IV**  
Regional Director



Republic of the Philippines  
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**SORSOGON SECOND**  
**DISTRICT ENGINEERING OFFICE**  
 REGIONAL OFFICE V  
 Payawin, Gubat, Sorsogon

March 15, 2021

## CERTIFICATE OF REASONABLENESS OF COST ESTIMATE

Project: **Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424**

As per GAA		As per POW	
Scope of Work	Physical Target	Scope of Work	Physical Target
CW1 – <i>Construction of Concrete Road</i>	4.29 Lane Km	CW1 – <i>Construction of Concrete Road</i>	2.64 Lane Km

DESCRIPTION OF WORKS TO BE DONE (AS PER POW)			AS SUBMITTED	
			TOTAL DIRECT COST	% TOTAL
Part:	A:	Facilities for the Engineer	PHP 67,054.30	0.14%
	B:	Other General Requirements	PHP 699,391.79	1.41%
	C:	Earthworks	PHP 8,883,911.79	17.95%
	D:	Subbase and Base Course	PHP 6,579,451.85	13.29%
CW1	E:	Surface Course	PHP 21,188,134.36	42.80%
	G:	Drainage and Slope Protection Structures	PHP 9,099,924.38	18.38%
	H:	Miscellaneous Structures	PHP 2,982,131.53	6.02%
	<b>TOTAL</b>		<b>PHP 49,500,000.00</b>	<b>100.00%</b>

Cost per kilometer of project (as per POW) =  $\frac{\text{Php } 49,500,000.00}{2.64 \text{ lane Km}} = 18,750,000 \text{ Php/lane Km}$

The high unit cost per kilometer of the project as per Program of Work is attributed to the following:

1. The physical target degraded because the cost per kilometer (unit cost) is increased. It is due to price escalation of labor rates, material costs, equipment rental and hauling cost.
2. The project is situated on a mountainous area resulted on a higher cost of embankment and volume of cut/excavation allocating 16.84% of total construction (direct) cost. Provision of Item 506(1) Stone Masonry for slope protection structures plays a significant role in preventing surface erosion and mass failures allocating 17.47% of total construction (direct) cost respectively.
3. The project also demanded an addition of miscellaneous structures (6.02% of total construction cost) like Item 600(4) concrete curb and gutter (cast in place), Item 601(1) sidewalk (100mm thk.), Item 603(3)a1 Metal Guardrail (metal beam) including concrete post and Item 603(4)a Metal Beam End Piece which are not included on the original scope of works.

Certified by:

  
**WILFREDO S. FAJARDO**  
Chief, Planning and Design Section

  
**MARILOU N. LACUNA**  
Chief, Planning and Design Division

  
**FELIX M. DIMAANO, JR.**  
District Engineer

  
**VIRGILIO C. EDUARTE, CESO IV**  
Regional Director





Republic of the Philippines  
**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**  
**REGIONAL OFFICE V**  
Regional Government Center, Rawis, Legazpi City

March 8, 2021

**MEMORANDUM**

**FOR :** Secretary **MARK A. VILLAR**  
This Department

**THRU :** Senior Undersecretary **RAFAEL C. YABUT**  
Undersecretary for Regional Operations  
Regions I, II, III, IV-A, V, and CAR

**MARIA CATALINA E. CABRAL, Ph.D., CESO I**  
Undersecretary for Information Management, Planning and PPP Services

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300117209368000 / P005649211Z									
Local Program - Local Infrastructure Program - Local Roads and Bridges - Local Roads									
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- Decrease in physical target due to the increase in cost of materials, equipment and labor rates as per CMPD 2020 4th Quarter.									

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For favorable consideration.

**VIRGILIO C. EDUARTE, CESO IV**  
Regional Director

R05.1 HLB/EMV/BMF/MNL

CLEARANCE			
ROOM	INITIAL	DATE	REMARKS
LB	LB		
EMV	EMV		
BMF	BMF		
MNL	MNL		

# FY 2021 ANNUAL INFRASTRUCTURE PROGRAM

Based on General Appropriations Act

UACS / Sub Program Project Component ID	Project Component Description	Type of Work	Target Unit	Physical Target	Amount (PHP)	Operating Unit, Implementing Office
P00449361LZ-EAO					115,500	Sorsogon 2nd District Engineering Office / Sorsogon 2nd District Engineering Office
102. P00564920LZ	300117209367000				<u>50,000,000</u>	
	<b>Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 2+712-Sta. 4+068</b>					
P00564920LZ-CW1	Construction of Concrete Road - Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 2+712-Sta. 4+068	Construction of Concrete Road	Lane Km	4.291	49,500,000	Sorsogon 2nd District Engineering Office / Sorsogon 2nd District Engineering Office
P00564920LZ-EAO					500,000	Sorsogon 2nd District Engineering Office / Sorsogon 2nd District Engineering Office
103. P00564921LZ	300117209368000				<u>50,000,000</u>	
	<b>Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424</b>					
P00564921LZ-CW1	Construction of Concrete Road - Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424	Construction of Concrete Road	Lane Km	4.291	49,500,000	Sorsogon 2nd District Engineering Office / Sorsogon 2nd District Engineering Office
P00564921LZ-EAO					500,000	Sorsogon 2nd District Engineering Office / Sorsogon 2nd District Engineering Office
104. P00564922LZ	300117209369000				<u>7,000,000</u>	
	<b>Construction of Local Road to San Rafael, San Isidro, Prieto Diaz, Sorsogon</b>					
P00564922LZ-CW1	Construction of Concrete Road - Construction of Local Road to San Rafael, San Isidro, Prieto Diaz, Sorsogon	Construction of Concrete Road	Lane Km	1.470	6,930,000	Sorsogon 2nd District Engineering Office / Sorsogon 2nd District Engineering Office



Republic of the Philippines  
**DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**  
**REGIONAL OFFICE V**  
Regional Government Center, Rawis, Legazpi City

March 8, 2021

**MEMORANDUM**

**FOR :** Secretary **MARK A. VILLAR**  
This Department

**THRU :** Senior Undersecretary **RAFAEL C. YABUT**  
Undersecretary for Regional Operations  
Regions I, II, III, IV-A, V, and CAR

**MARIA CATALINA E. CABRAL, Ph.D., CESO I**  
Undersecretary for Information Management, Planning and PPP Services

**SUBJECT :** **Modification Request for Project included under the FY 2021 GAA (RA 11518) within SORSOGON SECOND DISTRICT for Sorsogon 2nd District Engineering Office Implementation**

Forwarded is the Memorandum dated February 08, 2021 of District Engineer Felix M. Dimaano, Jr., Sorsogon 2nd District Engineering Office, Bagacay, Gubat, Sorsogon relative to the proposed modification under Local Program - Local Infrastructure Program - Local Roads and Bridges - Local Roads, included in FY 2021 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11518, for Sorsogon 2nd District Engineering Office Implementation, viz:

FROM (As per GAA)				TO (As Modified)					
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)	UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)		
300117209368000 / -									
Local Program - Local Infrastructure Program - Local Roads and Bridges - Local Roads									
Project: Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <b>Sta. 4+608-Sta. 5+424</b>				Project: Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon <b>Sta. 11+185 - Sta. 12+212</b>					
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Construction of Concrete Road	4.29	Lane Km	49.500	CW1	Construction of Concrete Road	2.64	Lane Km	49.500
EAO	-	-	-	0.500	EAO	-	-	-	0.500
TOTAL				50.00	TOTAL				50.00
REMARKS/JUSTIFICATION:									
- Change in Station Limits from Sta. 4+608-Sta. 5+424 to Sta. 11+185 - Sta. 12+212, since the funding allocation is insufficient for the additional civil work of Road Slope Protection Structure in 4+608-Sta. 5+424.									
- Decrease in physical target due to the increase in cost of materials, equipment and labor rates as per CMPD 2020 4th Quarter.									

Attached are accomplished Evaluation Form for Modification, Approved Programs of Work, Certificate of Availability of Funds, and other supporting documents in support to the request.

For favorable consideration.

**VIRGILIO C. EDUARTE, CESO IV**  
Regional Director





Republic of the Philippines  
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**SORSOGON SECOND**  
**DISTRICT ENGINEERING OFFICE**  
 REGIONAL OFFICE V  
 Payawin, Gubat, Sorsogon

March 15, 2021

## CERTIFICATE OF REASONABLENESS OF COST ESTIMATE

Project: **Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424**

As per GAA		As per POW	
Scope of Work	Physical Target	Scope of Work	Physical Target
CW1 – <i>Construction of Concrete Road</i>	4.29 Lane Km	CW1 – <i>Construction of Concrete Road</i>	2.64 Lane Km

DESCRIPTION OF WORKS TO BE DONE (AS PER POW)			AS SUBMITTED	
			TOTAL DIRECT COST	% TOTAL
Part:	A:	Facilities for the Engineer	PHP 67,054.30	0.14%
	B:	Other General Requirements	PHP 699,391.79	1.41%
	C:	Earthworks	PHP 8,883,911.79	17.95%
	D:	Subbase and Base Course	PHP 6,579,451.85	13.29%
CW1	E:	Surface Course	PHP 21,188,134.36	42.80%
	G:	Drainage and Slope Protection Structures	PHP 9,099,924.38	18.38%
	H:	Miscellaneous Structures	PHP 2,982,131.53	6.02%
	<b>TOTAL</b>		<b>PHP 49,500,000.00</b>	<b>100.00%</b>

Cost per kilometer of project (as per POW) =  $\frac{\text{Php } 49,500,000.00}{2.64 \text{ lane Km}} = 18,750,000 \text{ Php/lane Km}$

The high unit cost per kilometer of the project as per Program of Work is attributed to the following:

1. The physical target degraded because the cost per kilometer (unit cost) is increased. It is due to price escalation of labor rates, material costs, equipment rental and hauling cost.
2. The project is situated on a mountainous area resulted on a higher cost of embankment and volume of cut/excavation allocating 16.84% of total construction (direct) cost. Provision of Item 506(1) Stone Masonry for slope protection structures plays a significant role in preventing surface erosion and mass failures allocating 17.47% of total construction (direct) cost respectively.
3. The project also demanded an addition of miscellaneous structures (6.02% of total construction cost) like Item 600(4) concrete curb and gutter (cast in place), Item 601(1) sidewalk (100mm thk.), Item 603(3)a1 Metal Guardrail (metal beam) including concrete post and Item 603(4)a Metal Beam End Piece which are not included on the original scope of works.

Certified by:

  
**WILFREDO S. FAJARDO**  
Chief, Planning and Design Section

  
**MARILOU N. LACUNA**  
Chief, Planning and Design Division

  
**FELIX M. DIMAANO, JR.**  
District Engineer

  
**VIRGILIO C. EDUARTE, CESO IV**  
Regional Director

# Form for Project Modification Request

## A. GENERAL

1. REGION Region V	2. DEO Sorsogon 2nd District Engineering Office	3. LEGISLATIVE DISTRICT SORSOGON SECOND DISTRICT
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## B. ORIGINAL PROJECT

## C. PROPOSED REVISED PROJECT

4. UACS (Unified Account Code Structure as defined in GAA) 300117209368000					
5. Project ID -					
6. Project Category Local Program					
7. P/A/P Local Infrastructure Program - Local Roads and Bridges - Local Roads					
8. Operating Unit Sorsogon 2nd District Engineering Office		18. Operating Unit (Change subject to DBM approval) Sorsogon 2nd District Engineering 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 Concrete Road	--CW1	Construction of Concrete Road		
--EAO	-	--EAO	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
10. PROJECT DESCRIPTION (as recorded in GAA) Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 4+608-Sta. 5+424		20. PROJECT DESCRIPTION (of the revised project) Construction of By-Pass Road, Barangay Carriedo-Liang-Hidhid, Irosin-Matnog, Sorsogon Sta. 11+185 - Sta. 12+212			
11. ALLOTMENT (P '000) (as recorded in GAA) 50.000		21. REVISED ESTIMATED COST (P '000) (Equal to, or lower than GAA allotment) 50.000	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	4.2900	Lane Km	--CW1	2.6400	Lane Km
--EAO	-	-	--EAO	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
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	49.5000	11.538	--CW1	49.5000	18.750
--EAO	0.5000	-	--EAO	0.5000	-
-	-	-	-	-	-



## Form for Modification Request

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

Irosin and Matnog, Sorsogon

**25. PROJECT WORK LOCATION** (Must be defined in strict accordance with DO 65 Series 2014. Also complete Annex A for National road projects under OO1 and LP)

Irosin and Matnog, Sorsogon

Start X	-	End X	124.026205000
Start Y	-	End Y	12.637592000

Start X	-	End X	124.026205000
Start Y	-	End Y	12.637592000

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

N/A

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

N/A

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

Sorsogon 2nd District Engineering Office

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

Sorsogon 2nd District Engineering Office

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

Planned Start Date	Planned End Date
March 25, 2021	September 25, 2021

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

Planned Start Date	Planned End Date
March 25, 2021	September 25, 2021

**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 from Sta. 4+608-Sta. 5+424 to Sta. 11+185 - Sta. 12+212, since the funding allocation is insufficient for the additional civil work of Road Slope Protection Structure in 4+608-Sta. 5+424.

- Decrease in physical target due to the increase in cost of materials, equipment and labor rates as per CMPD 2020 4th Quarter.

**33. GEOTAGGED PHOTOS SUBMITTED**

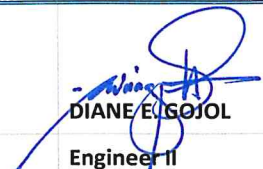

☐ NO ☒ YES

**34. A MAP GENERATED FROM THE DEPARTMENT'S GIS OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED**

☐ NO ☒ YES


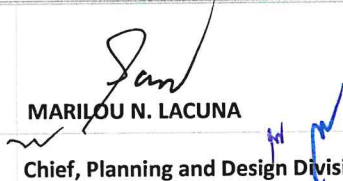
## Form for Modification Request

### 35. PREPARED BY:

<b>Name:</b>  <b>Office:</b> DIANE E. SOJOL Engineer II	<b>Position:</b>  <b>Date:</b> RICARDO G. FERATERO Engineer II
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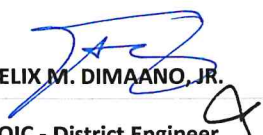
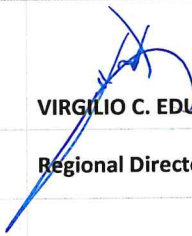
### 36. REVIEWED BY DISTRICT OFFICE

### 38. REVIEWED BY REGIONAL OFFICE

<b>Name:</b>  <b>Position:</b> WILFREDO S. FAJARDO Chief, Planning and Design Section	<b>Name:</b>  <b>Position:</b> MARILOU N. LACUNA Chief, Planning and Design Division
<b>Date:</b>	<b>Date:</b>

### 37. RECOMMENDED BY DISTRICT OFFICE

### 39. RECOMMENDED BY REGIONAL OFFICE

<b>Name:</b>  <b>Position:</b> FELIX M. DIMAANO, JR. OIC - District Engineer	<b>Name:</b>  <b>Position:</b> VIRGILIO C. EDUARTE, CESO IV Regional Director
<b>Date:</b>	<b>Date:</b>

## Form for Modification Request

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

300117209368000

**Project Id**

P00564921LZ

### 40. DPWH Office of the Undersecretaries for Operations USE only

<b>Category of Modification</b> (choose one)	<input type="checkbox"/> Category A – Typographical Errors <input checked="" type="checkbox"/> Category B – Change in Station Limits, due to increase or decrease in budget <input type="checkbox"/> Category C – Change in Location <input type="checkbox"/> Category D – Change in Operating Unit (requires DBM approval) <input type="checkbox"/> Adjustment – Send to PS-PD to amend MYPS <input type="checkbox"/> Modification does not comply with DBM Categories <input type="checkbox"/> Augmentation
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### Primary Reason for Request (based on Category of Modification): (choose one)

Category A	Category B	Category C	Category D	Adjustment (Must be no change to target or GAA line item)
<input type="checkbox"/> Typographical error on Project Description <input type="checkbox"/> Project Description needs items removed due to typo error	<input type="checkbox"/> Overlapping Sections of Work <input type="checkbox"/> Change in station limits, due to increase or decrease in budget <input checked="" type="checkbox"/> Change in Physical Target	<input type="checkbox"/> No such Barangay <input type="checkbox"/> No such City/Municipality	<input type="checkbox"/> Change in (IO), requiring a change in the (OU)	<input type="checkbox"/> Typographical error on Project Component Description <input type="checkbox"/> Typographical error on other fields not included in, or not consistent with GAA <input type="checkbox"/> Move funds between Project Components <input type="checkbox"/> Add/delete Project Components <b>Change of Itemized Project Component:</b> <input type="checkbox"/> Various <input type="checkbox"/> Description <input type="checkbox"/> Location <input type="checkbox"/> Amount <input type="checkbox"/> Target

### Reviewed by Office of the Undersecretary for Operations

<b>Name:</b>	RHOFEL MARIE Y. REGALADO
<b>Signature</b>	
<b>Position:</b>	ENGINEER IV
<b>Date:</b>	

### 41. DPWH Planning Service Office USE only

<b>Category of Modification</b> (choose one)	<input type="checkbox"/> Category A – Typographical Errors <input type="checkbox"/> Category B – Change in Station Limits, due to increase or decrease in budget <input type="checkbox"/> Category C – Change in Location <input type="checkbox"/> Category D – Change in Operating Unit (requires DBM approval) <input type="checkbox"/> Adjustment – Send to PS-PD to amend MYPS <input type="checkbox"/> Modification does not comply with DBM Categories <input type="checkbox"/> Augmentation
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### Reviewed by Planning Service

<b>Name:</b>	JANICA ANNA P. OJENAR-BELOY	<b>Name:</b>	PETER PAUL R. CORTEZ
<b>Signature</b>		<b>Signature:</b>	
<b>Position:</b>	Regional Coordinator	<b>Position:</b>	OIC – Chief, Programming Division
<b>Date:</b>	4/20/2021	<b>Date:</b>	4/20/2021