



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

May 14, 2021

MEMORANDUM

TO : Regional Director VIRGILIO C. EDUARTE
Regional Office V

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

Date Approved	As per GAA/Original		As Modified	
	Project Description			
May 14, 2021	1. Bacon-Manito Rd, Package 2, Sorsogon		Bacon-Manito Rd, Package 2, Sorsogon	
	CW-1 Construction of Road Slope Protection Structure - 3,702.6 Square meters	₱ 106,150,000	CW-1 Construction of Road Slope Protection Structure - 7,164.3 Square meters	₱ 14,859,182
			CW-2 Construction of Concrete Road - 1.76 Lane Km	₱ 69,696,197
			CW-3 Construction of Gravel Road - 1.103 Lane Km	₱ 12,300,026
			CW-4 Construction of Drainage Structure along Road - 1,752.8 Lineal meters	₱ 9,294,595
	EAO	₱ 3,850,000	EAO	₱ 3,850,000
	Total	₱ 110,000,000	Total	₱ 110,000,000

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: Bacon-Manito Rd, Package 2, Sorsogon

Project ID: P00506302LZ

Appropriation: 110,000,000

Implementing Office: Regional Office V

Date: 04/16/2021

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
MAY 03 2021
By: PRRACU Time: 2:34
Control No.: 21-4340
21-4497

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: Increased in physical target by 93.49%, Decreased in Unit

Cost by 92.77% and additional components

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

Noted By: Leonora C. Galang
Section Chief

ACTION SLIP

Project ID: P00506302LZ

Date: _____

FOR : USEC FOR OPERATIONS

☒ RCY

☐ RBB

☐ ERP, Jr.

☐ 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

MAY 14 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 requesting for the **modification** of project under the FY 2021 GAA, RA 11518, to wit:

<i>As per GAA/Original</i>			<i>As Modified</i>		
Project Description					
UACS No. 310205100577000 Project ID: P00506302LZ OO1: Ensure Safe and Reliable National Road System Network Development - Construction of Missing Links/ New Roads Bacon-Manito Rd, Package 2, Sorsogon			OO1: Ensure Safe and Reliable National Road System Network Development - Construction of Missing Links/ New Roads Bacon-Manito Rd, Package 2, Sorsogon		
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost
CW-1 Construction of Road Slope Protection Structure - 3,702.6 Square meters	₱ 28,669 / Square meters	₱ 106,150,000	CW-1 Construction of Road Slope Protection Structure - 7,164.3 Square meters	₱ 2,074 / Square meters	₱ 14,859,182
			CW-2 Construction of Concrete Road - 1.76 Lane Km	₱ 39,600,112 / Lane Km ₱ 79.2 M/Km	₱ 69,696,197
			CW-3 Construction of Gravel Road - 1.103 Lane Km	₱ 11,146,983 / Square meters ₱ 22 M/Km	₱ 12,300,026
			CW-4 Construction of Drainage Structure along Road - 1,752.8 Lineal meters	₱ 5,303 / Lineal meters	₱ 9,294,595
EAO	-	₱ 3,850,000	EAO	-	₱ 3,850,000
Total:		₱ 110,000,000	Total:		₱ 110,000,000

Justification:

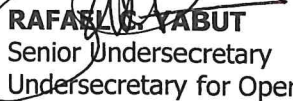
- Increase in physical target for CW1 to maximize the allocation since it is more than enough to cover the original physical target, and decrease in unit cost to apportion the allocation for additional component for civil works.
- Addition of CW3: Construction of Gravel Road to accommodate the remaining road section left out for concreting which requires downgrading of gradient due to mountainous terrain.
- Addition of CW2: Construction of Concrete Road to prioritize road concreting for second section.
- Addition of CW4: Construction of Drainage Structure along Road to drain surface water from the roadway during heavy rains to keep the road safe for motorist and pedestrians.

Request for Modification – Regional Office V
P00506302LZ
FY 2021 GAA, RA 11518


- The high excavation works (cut) which comprises 49.15% of the total construction cost and the inclusion of additional road features such as metal guardrails, warning signs and hazard markers contributed to the high unit cost.
- The derived unit cost and physical target is based on the approved plans, POW, DUPA, and CPMD.

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

*subject to NO Certificate of
resolutions of unit cost
for CW2*


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

APPROVED/DISAPPROVED:


MARK A. VILLAR
Secretary

Department of Public Works and Highways
Office of the Secretary



WIN1C03790



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

March 8, 2021

RUSH

MEMORANDUM

FOR : SECRETARY MARK A. VILLAR
This Department

THRU : Senior Undersecretary RAFAEL C. YABUT
Undersecretary for Regional Operations in Regions I, II, III, IV-A, V, and CAR
Undersecretary 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 (FIRST DISTRICT) for Regional Office V Implementation

Submitted herewith is the proposed modification under OO1 : Ensure Safe and Reliable National Road System - Network Development Program - Construction of Missing Links/ New Roads, included in FY 2021 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11518, for Regional Office V Implementation;

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)
310205100577000 / P00506302LZ							
OO1 : Ensure Safe and Reliable National Road System - Network Development Program - Construction of Missing Links/ New Roads							
Project: Bacon-Manito Rd, Package 2, <u>Sorsogon</u>				Project: Bacon-Manito Rd, Package 2, Sorsogon			
<u>Component</u>	<u>Type of Work</u>	<u>Target</u>	<u>Unit</u>	<u>Component</u>	<u>Type of Work</u>	<u>Target</u>	<u>Unit</u>
CW1	Construction of Road Slope Protection Structure	<u>3702.600</u>	Square meters	CW1	Construction of Road Slope Protection Structure	<u>7,164.300</u>	Square meters
EAO	-	-	-	CW2	Construction of Concrete Road	<u>1.760</u>	Lane Km
-	-	-	-	CW3	Construction of Gravel Road	<u>1.103</u>	Lane Km
-	-	-	-	CW4	Construction of Drainage Structure along Road	<u>1,752.800</u>	Lineal meters
-	-	-	-	EAO	-	-	-
TOTAL			110,000.00	TOTAL			110,000.00
REMARKS/JUSTIFICATION:							
Increase in CW1 Physical Target of "Construction of Road Slope Protection Structure" to maximize allocated funds since the allocated funds is more than enough to cover the original physical target.							
Addition of CW2 "Construction of Concrete Road" and CW3 "Construction of Gravel Road" Scopes of Work since first road section prioritized is for concreting of road while the second section is to accommodate the remaining road section left out for concreting since this requires further downgrading to attain desirable gradient, due to mountainous terrain.							
Addition of CW4 "Constructuin of Drainage Structure along Road" to drain surface water away from the roadway especially during heavy rains to keep the road safe for motorists and pedestrians.							
Increase in unit cost is due to very high excavation works (cut) where Item 102(2) Common Soil Surplus Excavation allocated 49.15% of total construction cost. Provision of complete road features such as metal guardrails, warning signs and hazard markers is also attributed to increase in unit cost.							

Attached are accomplished Evaluation Form for Modification, Approved Programs of Work, AIP, Geotagged Photos, and other supporting documents in support to the request.

For favorable consideration.

VIRGILIO C. EDUARTE, CESO IV
Regional Director

RO5.1 TJTC/LBD/EMV/BMF/MNL

Form for Project Modification Request

A. GENERAL

1. REGION	2. DEO	3. LEGISLATIVE DISTRICT
Region V	Sorsogon District Engineering Office	SORSOGON (FIRST DISTRICT)

B. ORIGINAL PROJECT

C. PROPOSED REVISED PROJECT

4. UACS (Unified Account Code Structure as defined in GAA) 310205100577000
5. Project ID P00506302LZ
6. Project Category OO1 : Ensure Safe and Reliable National Road System
7. P/A/P Network Development Program - Construction of Missing Links/ New Roads

8. Operating Unit Central Office	18. Operating Unit (Change subject to DGM approval) Central Office																										
9. Type of Work (Enter Details for all Components below)	19. Type of Work (Enter Details for all Components below)																										
<table border="1"> <thead> <tr> <th>Component ID</th> <th>Type of Work</th> </tr> </thead> <tbody> <tr> <td>P00506302LZ-CW1</td> <td>Construction of Road Slope Protection Structure</td> </tr> <tr> <td>P00506302LZ-EAO</td> <td></td> </tr> <tr> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> </tr> </tbody> </table>	Component ID	Type of Work	P00506302LZ-CW1	Construction of Road Slope Protection Structure	P00506302LZ-EAO		-	-	-	-	-	-	<table border="1"> <thead> <tr> <th>Component ID</th> <th>Type of Work</th> </tr> </thead> <tbody> <tr> <td>P00506302LZ-CW1</td> <td>Construction of Road Slope Protection Structure</td> </tr> <tr> <td>P00506302LZ-CW2</td> <td>Construction of Concrete Road</td> </tr> <tr> <td>P00506302LZ-CW3</td> <td>Construction of Gravel Road</td> </tr> <tr> <td>P00506302LZ-CW4</td> <td>Construction of Drainage Structure along Road</td> </tr> <tr> <td>P00506302LZ-EAO</td> <td></td> </tr> <tr> <td>-</td> <td>-</td> </tr> </tbody> </table>	Component ID	Type of Work	P00506302LZ-CW1	Construction of Road Slope Protection Structure	P00506302LZ-CW2	Construction of Concrete Road	P00506302LZ-CW3	Construction of Gravel Road	P00506302LZ-CW4	Construction of Drainage Structure along Road	P00506302LZ-EAO		-	-
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10. PROJECT DESCRIPTION (as recorded in GAA) Bacon-Manito Rd, Package 2, Sorsogon	20. PROJECT DESCRIPTION (of the revised project) Bacon-Manito Rd, Package 2, Sorsogon																										

11. ALLOTMENT (P '000) (as recorded in GAA) 110,000	21. REVISED ESTIMATED COST (P '000) (Equal to, or lower than GAA allotment) 110,000	22. CAF (To be obtained from Financial Management office) <input checked="" type="checkbox"/> YES																																				
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Form for Modification Request

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

SORSOGON (FIRST DISTRICT)

Start X - End X

Start Y - End Y

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)

Sorsogon City, Sorsogon 1st LD

Start X 123.9660 End X 123.9554

Start Y 13.0957 End Y 130,092,057.0000

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)

Regional Office V

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

Regional Office V

17. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date
March 20, 2021

Planned End Date
December 12, 2021

28. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date
March 20, 2021

Planned End Date
December 12, 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)

Increase in CW1 Physical Target of "Construction of Road Slope Protection Structure" to maximize allocated funds since the allocated funds is more than enough to cover the original physical target.

Addition of CW2 "Construction of Concrete Road" and CW3 "Construction of Gravel Road" Scopes of Work since first road section prioritized is for concreting of road while the second section is to accommodate the remaining road section left out for concreting since this requires further downgrading to attain desirable gradient, due to mountainous terrain.

Addition of CW4 "Constructuin of Drainage Structure along Road" to drain surface water away from the roadway especially during heavy rains to keep the road safe for motorists and pedestrians.

Increase in unit cost is due to very high excavation works (cut) where Item 102(2) Common Soil Surplus Excavation allocated 49.15% of total construction cost. Provision of complete road features such as metal guardrails, warning signs and hazard markers is also attributed to increase in unit cost.

33. GEOTAGGED PHOTOS SUBMITTED


☐ NO ☒ YES

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

☐ NO ☒ YES

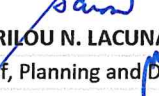
Form for Project Modification Request

35. PREPARED BY:

Name:	 ESTER M. VARGAS	Position:	Chief, Planning Section
Office:	DPWH ROV	Date:	


36. REVIEWED BY DISTRICT OFFICE (If Required)

38. REVIEWED BY REGIONAL OFFICE

Name:	-	Name:	 MARILOU N. LACUNA
Position	-	Position	Chief, Planning and Design Division
Date:		Date:	

36. RECOMMENDED BY DISTRICT OFFICE (If Required)

39. RECOMMENDED BY REGIONAL OFFICE

Name:	-	Name:	 VIRGILIO C. EDUARTE CESO IV
Position	-	Position	Regional Director
Date:		Date:	

Form for Project Modification Request

UACS (Unified Account Code Structure as defined in GAA)

310205100577000

Project ID

P00506302LZ

40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS USE ONLY

Category of Modification

(choose one)


- ☐ Category A - Typographical Errors
- ☐ Category B - Change in Station Limits, due to increase or decrease in budget
- ☐ Category C - Change in Location
- ☐ Category D - Change in Operating Unit (requires DBM approval)
- ☒ Adjustment - Send to PS-PD to amend
- ☐ Modification does not comply with DBM Categories
- ☐ Augmentation

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 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 change in the (OU)	<input type="checkbox"/> Typographical error on Project Component Description <input type="checkbox"/> Typographical error in other fields not included in, or not consistent with GAA <input type="checkbox"/> Move funds between Project Components <input checked="" type="checkbox"/> Add/delete Project Components Change of Itemized Project Component: <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

Name: RHOFEL MARIE Y. REGALADO

Signature: 

Position: ENGINEER IV

Date:



41. DPWH PLANNING SERVICE OFFICE USE ONLY

Category of Modification

(choose one)

- ☐ Category A - Typographical Errors
- ☐ Category B - Change in Station Limits, due to increase or decrease in budget
- ☐ Category C - Change in Location
- ☐ Category D - Change in Operating Unit (requires DBM approval)
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- ☐ Augmentation

Reviewed by Planning Service

<p>Name: JANICA ANNA P. OJENAR - BELOY</p> <p>Signature: </p> <p>Position: Regional Coordinator</p> <p>Date: 4/16/2021</p>	<p>Name:</p> <p>Signature: </p> <p>Position: OLC-Chief, Programming Div.</p> <p>Date: 4/20/2021</p>
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Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE V
Regional Government Center, Rawis, Legaspi City

March 29, 2021

CERTIFICATE OF REASONABLENESS OF COST ESTIMATE

PROJECT: **001 : Ensure Safe and Reliable National Road System -
Network Development Program - Construction of Missing
Links/ New Roads - Bacon-Manito Rd, Package 2, Sorsogon**

As per GAA		As per POW		
Scope of Work	Phys. Target	Scope of Work	Phys. Target	Unit Cost (Php/Unit)
CW1 – Construction of Road Slope Protection	3702.6 Square meters	CW1 – Construction of Road Slope Protection	7164.3 Square meters	2,074
		CW2 – Construction of Concrete Road	1.76 Lane Km	39,600,112
		CW3 – Construction of Gravel Road	1.103 Lane Km	11,151,429
		CW4 – Construction of Drainage Structure along Road	1752.8 Lineal meters	5,303

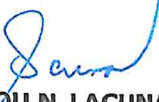
DESCRIPTION OF WORKS TO BE DONE (AS PER POW)		AS SUBMITTED	
		TOTAL DIRECT COST (PHP)	% TOTAL
Part: A:	Facilities for the Engineer	PHP 89,000.00	0.10%
B:	Other General Requirements	PHP 778,924.79	0.87%
C:	Earthworks	PHP 43,111,405.78	48.11%
D:	Subbase and Base Course	PHP 2,882,750.87	3.22%
E:	Surface Course	PHP 14,428,576.02	16.10%
G:	Drainage and Slope Protection	PHP 19,318,344.72	21.56%
H:	Miscellaneous Structures	PHP 5,158,370.01	5.76%
	Eng'g & Administrative Overhead	PHP 3,850,000.00	4.30%
	TOTAL	PHP 89,617,372.19	100.00%

$$\text{Cost per Kilometer of project (as per POW)} = \frac{\text{PHP } 89,617,372.19}{1.43172 \text{ Km}} = 62,594,202.91 \text{ Php/Km}$$

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

1. Road section is located at area with very high surplus excavation of common soil (cut) allocating 49.15% of total construction cost.
2. Concrete lined canal were adopted in the design of drainage structures along the road to drain surface water away from the roadway especially during heavy rains to keep the road safe for motorists and pedestrians, accounting to 8.68% of total construction cost.
3. Stone masonry, grouted riprap and PVC coated gabions were adopted in the design of slope protection structures to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soil, accounting to 13.87% of the total construction cost.
4. Provision of complete roadside furnitures such as metal guardrails, warning signs, hazard markers, allocating a total of 6.02% in total construction cost.

Certified by:


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VIRGILIO C. EDUARTE, CESO IV
Regional Director