



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

5203  
20-4755

**Programming Division Evaluation Sheet**

Name of Project: Pili-Tigaon-Albay Bdry Rd - K0499 + 470 - K0499 + 500, K0499 + 720 - K0499 + 760, K0499 + 865 - K0499 + 900, K0500 + 235 - K0500 + 250, K0500 + 390 - K0500 + 440, K0500 + 540 - K0500 + 560, K0500 + 740 - K0500 + 755, K0501 + 230 - K0501 + 260, K0501 + 390 - K0501 + 410, K0501 + 500 - K0501 + 630, K0501 + 680 - K0501 + 745, K0502 + 710 - K0502 + 755, K0503 + 890 - K0503 + 1000, K0504 + 220 - K0504 + 252, K0504 + 348 - K0504 + 400, K0504 + 690 - K0504 + 750, K0505 + 000 - K0505 + 065, K0505 + 640 - K0505 + 700, K0505 + 970 - K0506 + 060, K0506 + 200 - K0506 + 255, K0507 + 170 - K0507 + 320

Project ID: P00402598LZ

Appropriation: 125,000,000

Implementing Office: Regional Office V

Date: 06/04/2020

**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

**B. EVALUATION**

B.1 ☒ MAY BE ALLOWED as per the GAA Provisions

B.2 ☐ NOT ALLOWED as per the GAA Provisions

**C.**

C.1 ☒ FLR (☐ Released ☒ Unreleased)

Amount: 125,000,000

C.2 ☐ FCR

**D. Remarks:**

Physical target decreased by 73.3%

Evaluated By: Janica Anna R. Ujenar-Beloy

Regional Coordinator

Noted By:

Leonora C. Galang  
Section Chief

**ACTION SLIP**

Project ID: P00402598LZ

Date:

FOR : USEC FOR OPERATIONS

☒ RCY

☐ RBB

☐ DSS

☐ EKS

REMARKS:

☒ Reviewed by Planning Service

☒ Recommended for Approval

Remarks:

due to redesign, standard  
at a rate of @ ₱10-12,000/Lm of slope  
lasted is now ₱1690,000 Lm. 2 stand  
signs to new kind of technical  
plans for the use of alternative design work  
Value for Money Analysis

MARIA CATALINA E. CABRAL, PhD, CESO I  
Undersecretary for Planning and PPP



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

JUL 02 2020

MEMORANDUM

FOR : **MARK A. VILLAR**  
Secretary

Respectfully forwarded is the memorandum dated February 20, 2020 of Regional Director **Melvin B. Navarro, MNSA, CESO IV**, endorsing the request for the **modification** of project under the FY 2020 GAA, to wit:


As per GAA/Original			As Modified		
Project Description					
<b>UACS No. 310108100315000</b> <b>Project ID: P00402598LZ</b>					
OO1: Ensure Safe and Reliable National Road System			OO1: Ensure Safe and Reliable National Road System		
Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads			Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads		
Pili-Tigaon-Albay Bdry Rd - K0499 + 470 - K0499 + 500, K0499 + 720 - K0499 + 760, K0499 + 865 - K0499 + 900, K0500 + 235 - K0500 + 250, K0500 + 390 - K0500 + 440, K0500 + 540 - K0500 + 560, K0500 + 740 - K0500 + 755, K0501 + 230 - K0501 + 260, K0501 + 390 - K0501 + 410, K0501 + 500 - K0501 + 630, K0501 + 680 - K0501 + 745, K0502 + 710 - K0502 + 755, K0503 + 890 - K0503+1000, K0504 + 220 - K0504 + 252, K0504 + 348 - K0504 + 400, K0504 + 690 - K0504 + 750, K0505 + 000 - K0505 + 065, K0505 + 640 - K0505 + 700, K0505 + 970 - K0506 + 060, K0506 + 200 - K0506 + 255, K0507 + 170 - K0507 + 320			Pili-Tigaon-Albay Bdry Rd - K0497 + 680.44 - K0497 + 744.50, K0506 + 080.00 - K0506 + 190.00 (174 Lm)		
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure – 20441 Square meters	₱ 5,901.13 / Square Km	₱ 120,625,000.00	CW1 – Construction of Road Slope Protection Structure – 5457 Square meters	₱ 22,104.64 / Square Km ₱ 690,000/Lm.	₱ 120,625,000.00
EAO	-	₱ 4,375,000.00	EAO	-	₱ 4,375,000.00
Total:		₱ 125,000,000	Total:		₱ 125,000,000
Justification:					
• Change in station limits to prioritize most susceptible section to collapse.					

Op

- Decrease in physical target due to increase per unit cost based estimated computations from survey and result of design of structure. The design used for slope protection is with Active Protection System (Item 522A(1) and Permanent Ground Anchor (Item 513(1))

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

*Subject to reasonableness of unit cost of slope protection per Lm*

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

**APPROVED/DISAPPROVED:**

  
**MARK A. VILLAR**  
Secretary

2.1 RMYR/MLS

Department of Public Works and Highways  
Office of the Secretary



WINOC03927



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

February 20, 2020

**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 Planning and PPP

**SUBJECT :** **Modification Request for Project included under the FY 2020 GAA (RA 11465) within CAMARINES SUR FOURTH DISTRICT for Regional Office V Implementation**

Submitted herewith is the proposed modification under OO1: Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads, included in FY 2020 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11465, 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)		
310108100315000 / P00402598LZ OO1: Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads									
Project:	Pili-Tigaon-Albay Bdry Rd - <del>K0499 + 470 - K0499 + 500, K0499 + 720 - K0499 + 760, K0499 + 865 - K0499 + 900, K0500 + 235 - K0500 + 250, K0500 + 390 - K0500 + 440, K0500 + 540 - K0500 + 560, K0500 + 740 - K0500 + 755, K0501 + 230 - K0501 + 260, K0501 + 390 - K0501 + 410, K0501 + 500 - K0501 + 630, K0501 + 680 - K0501 + 745, K0502 + 710 - K0502 + 755, K0503 + 890 - K0503 + 1000, K0504 + 220 - K0504 + 252, K0504 + 348 - K0504 + 400, K0504 + 690 - K0504 + 750, K0505 + 000 - K0505 + 065, K0505 + 640 - K0505 + 700, K0505 + 970 - K0506 + 060, K0506 + 200 - K0506 + 255, K0507 + 170 - K0507 + 320</del>			Project:	Pili-Tigaon-Albay Bdry Rd - <del>K0497 + 680.44 - K0497 + 744.50, K0506 + 080.00 - K0506 + 190.00</del>				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Construction of Road Slope Protection Structure	20,441.000	Square meters	120,625	CW1	Construction of Road Slope Protection Structure	<u>5,457.000</u>	Square meters	120,625
EAO	-	-	-	4,375	EAO	-	-	-	4,375
TOTAL				125,000.00	TOTAL				125,000.00
REMARKS/JUSTIFICATION: Change in station limits and physical target based on estimated quantity computations from survey conducted and result of design of structure. The design of structure used is slope protection with Active Protection System (Item 522A(1)) and Permanent Ground Anchor (Item 513(1))									

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.

**MELVIN B. NAVARRO, MNSA, CESO IV**  
Regional Director

R05.1 TJTC/EMV/BMF/MNL

# Form for Project Modification Request

## A. GENERAL

<b>1. REGION</b>	<b>2. DEO</b>	<b>3. LEGISLATIVE DISTRICT</b>
Region V	Camarines Sur 4th District Engineering Office	CAMARINES SUR FOURTH DISTRICT

## B. ORIGINAL PROJECT

## C. PROPOSED REVISED PROJECT

<b>4. UACS</b> (Unified Account Code Structure as defined in GAA) 310108100315000																																						
<b>5. Project ID</b> P00402598LZ																																						
<b>6. Project Category</b> OO1: Ensure Safe and Reliable National Road System																																						
<b>7. P/A/P</b> Asset Preservation Program - Rehabilitation/ Reconstruction of Roads with Slips, Slope Collapse, and Landslide - Secondary Roads																																						
<b>8. Operating Unit</b> Central Office		<b>18. Operating Unit</b> (Change subject to DBM approval) Central Office																																				
<b>9. Type of Work</b> (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>P00402598LZ-CW1</td> <td>Construction of Road Slope Protection Structure</td> </tr> <tr> <td>P00402598LZ-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	P00402598LZ-CW1	Construction of Road Slope Protection Structure	P00402598LZ-EAO	-	-	-	-	-	-	-	<b>19. Type of Work</b> (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>P00402598LZ-CW1</td> <td>Construction of Road Slope Protection Structure</td> </tr> <tr> <td>P00402598LZ-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	P00402598LZ-CW1	Construction of Road Slope Protection Structure	P00402598LZ-EAO	-	-	-	-	-	-	-												
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<b>11. ALLOTMENT (P '000)</b> (as recorded in GAA) 125,000		<b>21. REVISED ESTIMATED COST (P '000)</b> (Equal to, or lower than GAA allotment) 125,000																																				
		<b>22. CAF</b> (To be obtained from Financial Management office) <input checked="" type="checkbox"/> YES																																				
<b>12. PHYSICAL TARGET</b> (Enter Details for all Components below) <table border="1"> <thead> <tr> <th>Component ID</th> <th>Target</th> <th>Target Unit</th> </tr> </thead> <tbody> <tr> <td>P00402598LZ-CW1</td> <td>20,441.000</td> <td>Square meters</td> </tr> <tr> <td>P00402598LZ-EAO</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		Component ID	Target	Target Unit	P00402598LZ-CW1	20,441.000	Square meters	P00402598LZ-EAO	-	-	-	-	-	-	-	-	-	-	-	<b>23. PHYSICAL TARGET</b> (Enter Details for all Components below) <table border="1"> <thead> <tr> <th>Component ID</th> <th>Target</th> <th>Target Unit</th> </tr> </thead> <tbody> <tr> <td>P00402598LZ-CW1</td> <td>5,457.000</td> <td>Square meters</td> </tr> <tr> <td>P00402598LZ-EAO</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Component ID	Target	Target Unit	P00402598LZ-CW1	5,457.000	Square meters	P00402598LZ-EAO	-	-	-	-	-	-	-	-	-	-	-
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## Form for Modification Request

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

Camarines Sur

**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)

Sagñay, Camarines Sur

Start X - End X  
Start Y - End Y

Start X 123.5610 End X 123.5976  
Start Y 13.5575 End Y 13.5329

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

Secondary

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

Secondary

**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 May 2, 2020  
Planned End Date December 20, 2020

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

Planned Start Date May 2, 2020  
Planned End Date December 20, 2020

**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 and physical target based on estimated quantity computations from survey conducted and result of design of structure. The design of structure used is slope protection with Active Protection System (Item 522A(1)) and Permanent Ground Anchor (Item 513(1))

**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:	 MARIOU 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:	 MELVIN A. NARBO, MNSA, CESO IV
Position	-	Position	Regional Director
Date:		Date:	



## Form for Project Modification Request

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

310108100315000

**Project ID**

P00402598LZ

### 40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS USE ONLY

**Category of Modification**

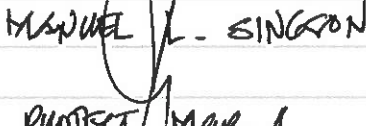
(choose one)

- ☐ 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 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>	MANUEL L. SINGON
<b>Signature:</b>	
<b>Position:</b>	PROJECT MGR. 1
<b>Date:</b>	JUNE 3, 2020



### 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)
- ☐ Adjustment - Send to PS-PD to amend
- ☐ Modification does not comply with DBM Categories
- ☐ Augmentation

**Reviewed by Planning Service**

<b>Name:</b>	JANICA ANNA P. OJENAR - BELOY	<b>Name:</b>	PETER DAVID CORON
<b>Signature:</b>		<b>Signature:</b>	
<b>Position:</b>	Regional Coordinator	<b>Position:</b>	Chief, Programming Division
<b>Date:</b>	6/04/2020	<b>Date:</b>	6/04/2020





Republic of the Philippines  
**Department of Public Works and Highways**  
**REGIONAL OFFICE V**  
Regional Government Center, Rawis, Legazpi City

June 19, 2020

**CERTIFICATE OF REASONABLENESS OF COST ESTIMATE**

Project: **001: Ensure Safe and Reliable National Road System – Asset Preservation – Rehabilitation/Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Secondary Roads – Pili-Tigaon-Albay Bdry Rd – K0497+680.44 – K0497+744.50 & K0506+080.00 – K0506+190.00**

Physical Target (as per GAA): 21,811 sq. m.

Physical Target (as per POW): 5,457 sq. m.

DESCRIPTION OF WORKS TO BE DONE		AS SUBMITTED	
		% TOTAL	TOTAL DIRECT COST
Part A:	Facilities for the Engineer	0.08%	77,300.00
B:	Other General Requirements	0.51%	495,665.48
C:	Earthworks	0.56%	541,721.76
G:	Drainage and Slope Protection Structures	98.86%	96,306,954.91
TOTAL:		100.00%	97,421,642.15

$$\text{Cost per kilometer of project (as per POW)} = \frac{\text{Php } 97,421,642.15}{5,457 \text{ sq.m.}} = 17,852.60 \frac{\text{Php}}{\text{sq.m.}}$$

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

1. The slope protection used in the project is a structural type of slope protection that utilizes high tensile wires and anchor bolts which costs much higher than the standard slope protection works.
2. The height of the slope is also very high which entails more quantities to be covered in a shorter length.

Certified by:

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

  
**MELVIN B. NAVARRO, MNSA, CESO IV**  
Regional Director

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