



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

5159

### Programming Division Evaluation Sheet

Name of Project: Pili-Tigaon-Albay Bdry Rd - K0489 + 488 - K0489 + 566, Project ID: P00402090LZ  
K0490 + 352 - K0490 + 510, K0490 + 720 - K0490 + 743,  
K0493 + 048 - K0493 + 128, K0493 + 600 - K0493 + 765,  
K0495 + 580 - K0495 + 680, K0497 + 171 - K0497 + 211,  
K0497 + 455 - K0497 + 475, K0497 + 520 - K0497 + 555,  
K0498 + 300 - K0498 + 340  
 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 70-70%

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

Noted By: Leonora E. Galang  
Section Chief

#### ACTION SLIP

Project ID: P00402090LZ

Date:

FOR : USEC FOR OPERATIONS

☒ RCY

☐ RBB

☐ DSS

☐ EKS

REMARKS:

☒ Reviewed by Planning Service

☒ Recommended for Approval

☐ Remarks:

*subject to issuance of NO  
Certificate in the reassembly of unit  
and of slope protection up to road from  
the standard cost for the  
operates to check the technical basis  
of the redesign. Among the issues is  
Cost*

MARIA CATALINA E. CABRAL, PhD, CESO I

Undersecretary for Planning and PPP

*Accable*



**JUL 02 2020**  
**MEMORANDUM**

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

**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					
UACS No. 310108100314000 Project ID: P00402090LZ					
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 - K0489 + 488 - K0489 + 566, K0490 + 352 - K0490 + 510, K0490 + 720 - K0490 + 743, K0493 + 048 - K0493 + 128, K0493 + 600 - K0493 + 765, K0495 + 580 - K0495 + 680, K0497 + 171 - K0497 + 211, K0497 + 455 - K0497 + 475, K0497 + 520 - K0497 + 555, K0498 + 300 - K0498 + 340			Pili-Tigaon-Albay Bdry Rd - K0497 + 580.00 - K0497 + 680.44		
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Road Slope Protection Structure – 21811 Square meters	₱ 5,530.47 / Square Km	₱ 120,625,000.00	CW1 – Construction of Road Slope Protection Structure – 5068 Square meters	₱ 23,801.30 / Square Km	₱ 120,625,000.00
EAO	-	₱ 4,375,000.00	EAO	-	₱ 4,375,000.00
Total:		₱ 125,000,000	Total:		₱ 125,000,000
Justification:					
<ul style="list-style-type: none"><li>• Change in station limits to prioritize most susceptible section to collapse.</li><li>• 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)))</li></ul>					

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 per sq.m of slope protection*

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

**APPROVED/DISAPPROVED:**

**MARK A. VILLAR**  
Secretary



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)		
310108100314000 / P00402090LZ									
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>K0489 + 488 - K0489 + 566, K0490 + 352 - K0490 + 510, K0490 + 720 - K0490 + 743, K0493 + 048 - K0493 + 128, K0493 + 600 - K0493 + 765, K0495 + 580 - K0495 + 680, K0497 + 171 - K0497 + 211, K0497 + 455 - K0497 + 475, K0497 + 520 - K0497 + 555, K0498 + 300 - K0498 + 340</del>			Project:	Pili-Tigaon-Albay Bdry Rd - <del>K0497 + 580.00 - K0497 + 680.44</del>				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Construction of Road Slope Protection Structure	21,811.000	Square meters	120,625	CW1	Construction of Road Slope Protection Structure	<u>5,068.000</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

# 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) 310108100314000																																						
<b>5. Project ID</b> P00402090LZ																																						
<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>P00402090LZ-CW1</td> <td>Construction of Road Slope Protection Structure</td> </tr> <tr> <td>P00402090LZ-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	P00402090LZ-CW1	Construction of Road Slope Protection Structure	P00402090LZ-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>P00402090LZ-CW1</td> <td>Construction of Road Slope Protection Structure</td> </tr> <tr> <td>P00402090LZ-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	P00402090LZ-CW1	Construction of Road Slope Protection Structure	P00402090LZ-EAO	-	-	-	-	-	-	-												
Component ID	Type of Work																																					
P00402090LZ-CW1	Construction of Road Slope Protection Structure																																					
P00402090LZ-EAO	-																																					
-	-																																					
-	-																																					
-	-																																					
Component ID	Type of Work																																					
P00402090LZ-CW1	Construction of Road Slope Protection Structure																																					
P00402090LZ-EAO	-																																					
-	-																																					
-	-																																					
-	-																																					
<b>10. PROJECT DESCRIPTION</b> (as recorded in GAA) Pili-Tigaon-Albay Bdry Rd - K0489 + 488 - K0489 + 566, K0490 + 352 - K0490 + 510, K0490 + 720 - K0490 + 743, K0493 + 048 - K0493 + 128, K0493 + 600 - K0493 + 765, K0495 + 580 - K0495 + 680, K0497 + 171 - K0497 + 211, K0497 + 455 - K0497 + 475, K0497 + 520 - K0497 + 555, K0498 + 300 - K0498 + 340		<b>20. PROJECT DESCRIPTION</b> (of the revised project) Pili-Tigaon-Albay Bdry Rd - K0497 + 580.00 - K0497 + 680.44																																				
<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>P00402090LZ-CW1</td> <td>21,811.000</td> <td>Square meters</td> </tr> <tr> <td>P00402090LZ-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	P00402090LZ-CW1	21,811.000	Square meters	P00402090LZ-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>P00402090LZ-CW1</td> <td>5,068.000</td> <td>Square meters</td> </tr> <tr> <td>P00402090LZ-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	P00402090LZ-CW1	5,068.000	Square meters	P00402090LZ-EAO	-	-	-	-	-	-	-	-	-	-	-
Component ID	Target	Target Unit																																				
P00402090LZ-CW1	21,811.000	Square meters																																				
P00402090LZ-EAO	-	-																																				
-	-	-																																				
-	-	-																																				
-	-	-																																				
Component ID	Target	Target Unit																																				
P00402090LZ-CW1	5,068.000	Square meters																																				
P00402090LZ-EAO	-	-																																				
-	-	-																																				
-	-	-																																				
-	-	-																																				
<b>13. UNIT COST</b> (Enter Details for all Components below) <table border="1"> <thead> <tr> <th>Component ID</th> <th>Component Cost (P '000)</th> <th>Target Unit Cost (P '000/Target Unit)</th> </tr> </thead> <tbody> <tr> <td>P00402090LZ-CW1</td> <td>120,625.00</td> <td>5.530</td> </tr> <tr> <td>P00402090LZ-EAO</td> <td>4,375.00</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	Component Cost (P '000)	Target Unit Cost (P '000/Target Unit)	P00402090LZ-CW1	120,625.00	5.530	P00402090LZ-EAO	4,375.00	-	-	-	-	-	-	-	-	-	-	<b>24. UNIT COST</b> (Enter Details for all Components below) <table border="1"> <thead> <tr> <th>Component ID</th> <th>Component Cost (P '000)</th> <th>Target Unit Cost (P '000/Target Unit)</th> </tr> </thead> <tbody> <tr> <td>P00402090LZ-CW1</td> <td>120,625.00</td> <td>23.801</td> </tr> <tr> <td>P00402090LZ-EAO</td> <td>4,375.00</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	Component Cost (P '000)	Target Unit Cost (P '000/Target Unit)	P00402090LZ-CW1	120,625.00	23.801	P00402090LZ-EAO	4,375.00	-	-	-	-	-	-	-	-	-	-
Component ID	Component Cost (P '000)	Target Unit Cost (P '000/Target Unit)																																				
P00402090LZ-CW1	120,625.00	5.530																																				
P00402090LZ-EAO	4,375.00	-																																				
-	-	-																																				
-	-	-																																				
-	-	-																																				
Component ID	Component Cost (P '000)	Target Unit Cost (P '000/Target Unit)																																				
P00402090LZ-CW1	120,625.00	23.801																																				
P00402090LZ-EAO	4,375.00	-																																				
-	-	-																																				
-	-	-																																				
-	-	-																																				

## 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 123.5608 End X 123.5607  
Start Y 13.5561 End Y 13.5570

**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 Planned End Date  
January 13, 2020 September 1, 2020

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

Planned Start Date Planned End Date  
January 13, 2020 September 1, 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:	 MARLOU 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 B. NAVARRO, MNSA, CESO IV
Position	-	Position	Regional Director
Date:	-	Date:	



## Form for Project Modification Request

UACS (Unified Account Code Structure as defined in GAA)

310108100314000

Project ID

P00402090LZ

### 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 checked="" 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

Name:	MANUEL V. SINGSON
Signature:	
Position:	PROJECT MGR. 1
Date:	JUNE 3, 2020

### 41. DPWH PLANNING SERVICE OFFICE 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 <input type="checkbox"/> Modification does not comply with DBM Categories <input type="checkbox"/> Augmentation
---	--

### Reviewed by Planning Service

Name:	JANICA ANNA P. OJENAR - BELOY	Name:	PETER PHILCOR
Signature:		Signature:	
Position:	Regional Coordinator	Position:	Chief, Programming Division
Date:	06/04/2020	Date:	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+580.00 – K0497+680.44**

Physical Target (as per GAA): 20,441 sq. m.

Physical Target (as per POW): 5,068 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	0.50%	483,447.30
C:	Earthworks	2.22%	2,159,921.43
G:	Drainage and Slope Protection Structures	97.21%	94,699,578.06
TOTAL:		100.00%	97,420,246.79

$$\text{Cost per kilometer of project (as per POW)} = \frac{\text{Php } 97,420,246.79}{5,068 \text{ sq.m.}} = 19,222.62 \frac{\text{Php}}{\text{sq.m.}}$$

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:

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

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