

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

Manila

MEMORANDUM

FOR

: ROGER G. MERCADO Acting Secretary This Department

This refers to the memorandum dated March 22, 2022 of **DPWH Region V Director VIRGILIO C. EDUARTE, CESO III**, endorsing the request for Project Modification of **District Engineer Ruben S. Santos, Jr.**, Camarines Sur 2nd District Engineering Office requesting for the approval of the **Modification** of the project under FY 2022 General Appropriation Act (GAA), to wit;

As	per GAA/Origina			As Modified					
		Project De	scription						
UACS No. 31010 Project ID: P0060	5100670000 3951LZ								
ORGANIZATIONAL OU Reliable National Road		e Safe and	ORGANIZATIONAL (Reliable National Ro		ire Safe and				
Asset Preservation - R Upgrading of Damage			Asset Preservation - Upgrading of Damag						
Milaor-Minalabac-Pili I K0440 + 070 - K0441		- K0436 + 320,	Milaor-Minalabac-Pil K0440 + 070 - K044		5 - K0436 + 320,				
Physical Target	Unit Cost	Allocation	Physical Target	Unit Cost	Estimated Cost				
CW1- Reconstruction to Concrete Pavement - 5.368 Lane Km	₽ 15,905,062.41 / Lane Km	₽ 85,378,375.00	CW1- Reconstruction to Concrete Pavement – 3.33 Lane Km	₽ 25,639,151.65 / Lane Km	₽ 85,378,375.00				
EAO	-	₽ 3,096,625.00	EAO	-	₽ 3,096,625.00				
	Total:	₽ 88,475,000.00		Total:	₽ 88,475,000.00				
 Justification: The change in physical target is due to the adoption of correct RBIA length for the road section which is 3.330 Lane km, the reflected length in AIP is erroneous, hence this request. The scope of work includes Reconstruction of existing carriageway and provision of concrete shoulder on both sides; 									

 Inclusion of drainage and slope protection structures, and miscellaneous road safety features; and

Inclusions of additional hauling cost for materials.

Based on our evaluation, the submitted request for modification of the said project is in order. Hence, the said request is hereby recommended for Secretary's consideration and approval.

ROBERTO'R. BERNARDO Undersecretary for Regional Operations In Luzon (except NCR and Region IV-B)

APPROVED/DISAPPROVED:

ROGER G. MERCADO Acting Secretary

2.1 ACC/ ACL/MBB/RRB





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

MEMORANDUM

FOR

: ROGER G. MERCADO Acting Secretary This Department

This refers to the memorandum dated March 22, 2022 of **DPWH Region V Director VIRGILIO C. EDUARTE, CESO III**, endorsing the request for Project Modification of **District Engineer Ruben S. Santos, Jr.**, Camarines Sur 2nd District Engineering Office requesting for the approval of the **Modification** of the project under FY 2022 General Appropriation Act (GAA), to wit;

As	per GAA/Origina	n/		As Modified					
		Project De	escription						
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ORGANIZATIONAL OL Reliable National Road		e Safe and	ORGANIZATIONAL (Reliable National Ro		re Safe and				
Asset Preservation - F Upgrading of Damage			Asset Preservation - Upgrading of Damag						
Milaor-Minalabac-Pili I K0440 + 070 - K0441		- K0436 + 320,	Milaor-Minalabac-Pil K0440 + 070 - K044		5 - K0436 + 320,				
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		onal hauling cost f	for materials.						

Based on our evaluation, the submitted request for modification of the said project is in order. Hence, the said request is hereby recommended for Secretary's consideration and approval.

ROBERTO R. BERNARDO Undersecretary for Regional Operations In Luzon (except NCR and Region IV-B AL. M. APPROVED/DESAPPROVED:

Acting Secretary





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

Regional Government Center, Rawis, Legazpi City

March 22, 2022

MEMORANDUM FOR 5 **Acting Secretary ROGER G. MERCADO** This Department THRU Senior Undersecretary RAFAEL C. YABUT 5 Overall Supervision and Management of Operations of all Bureaus, Services, and Regional Offices **Undersecretary ROBERTO B. BERNARDO** Regional Operations in Luzon except NCR & Region IV-B **ATTENTION** Acting Undersecretary CONSTANTE A. LLANES, JR. ł. **Planning Service** SUBJECT ł Modification Request for Project included under the FY 2022 GAA (RA 11639) within Camarines Sur (SECOND DISTRICT) for **Camarines Sur 2nd District Engineering Office Implementation**

Forwarded is the Memorandum dated March 15, 2022 of District Engineer Ruben S. Santos, Jr., Camarines Sur 2nd District Engineering Office, Baras, Canaman, Camarines Sur relative to the proposed modification of project included in FY 2022 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11639, for Camarines Sur 2nd District Engineering Office Implementation, viz:

	FROM (As	s per GAA)			TO (As Modified)							
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target I		Cost (P '000)	UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)				
310106100670000 / P00603951LZ ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads												
Project:	<u>Milaor-Minalabac-Pili Rd - K</u> 070 - K0441 + 570	0436 + 155 - K	(0436 + 3)	20, K0440 +	Project:	<u>Milaor-Minalabac-Pili Rd - K</u> <u>070 - K0441 + 570</u>	<i>0436 + 155 - К0436 + 3</i>	20, K0440 +				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target Unit	Component Cost				
CW1	Reconstruction to Concrete Pavement	5.368	Lane Km	85,378.38	CW1	Reconstruction to Concrete Pavement	3.330 Lane Km	85,378.38				
EAO	-	-	-	3,096.63	EAO	-		3,096.63				
-	-	-	-	-	-	-		-				
	TOTAL			88,475.00		TOTAL		88,475.00				
The chan request. - reconst - inclusio	/JUSTIFICATION: ge in physical target is due to th The scope of work includes: ruction of existing carriageway an n of drainage and slope protection ins of additional hauling cost for r	nd provision of constructures, and	oncrete sho	ulder on both sid	es;		ed length in AIP is erroneo	us, hence this				

Modification Request for Project included under the FY 2022 GAA (RA 11639) within Camarines Sur (SECOND DISTRICT) for Camarines Sur 2nd District Engineering Office Implementation Page 2 of 2

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

For favorable consideration.

For and the Absence of the Regional Director MARILOV N. LACUNA Asst. Regional Director

VIRGILIO C. EDUARTE, CESO III

Regional Director

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R05.1 JCJ/LBD/EMV/HPMP/BMF



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **CAMARINES SUR 2ND DISTRICT ENGINEERING OFFICE** Regional Office V Baras, Canaman Camarines Sur

RO5.14.1-PU-094-0322-003

March 15, 2022

MEMORANDUM

- FOR : Acting Secretary ROGER G. MERCADO This Department
- THRU : Regional Director VIRGILIO C. EDUARTE, CESO III Regional Office V

SUBJECT : Request for Modification of Projects under FY 2022 GAA

This has reference to the following project under the DPWH Infrastructure Program based on the FY 2022 GAA which is hereby requested to be modified as follows;

UACS Code : 310106100670000 Project ID No. : P00603951LZ

	FRC	M		·	тс)		
	Project Name		Alloc. (P'000)		Project Name		Alloc. (P'000)	Remarks
- Rehat Upgrad Roads - Minalat	sset Preservation I bilitation/ Reconstr ing of Damaged P - Tertiary Roads - I bac-Pili Rd - K0436 + 320, K0440 + 0 + 570	uction/ aved Milaor- + 155 -	88,475	OO1: Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads - Milaor- Minalabac-Pili Rd - K0436 + 155 - K0436 + 320, K0440 + 070 - K0441 + 570			the decrease in target length and, consequently, increase in unit cost is due to the following: - reconstruction of existing carriageway and provision of	
Comp onent	Type of Work	Physical Target	Amount (P'000)	Comp onent	Type of Work	Physical Target	Amount (P'000)	concrete shoulder on both sides;
CW1	Reconstruction to Concrete Pavement	5.368 Lane km.	85,378.375	CW1	Reconstruction to Concrete Pavement	<i>3.330</i> Lane km.	85,378.375	 inclusion of drainage and slope protection structures, and miscellaneous road
EAO	-	-	3,096.625	EAO	-	-	3,096.625	safety features; and - inclusion of additional hauling cost for materials.

Attached for your reference are the Form for Modification Request including Annex "A", Certificate of Availability of Funds (CAF), Technical Justification, BP 202, geo-tagged pictures, GIS Map, Program of Works (POW), Detailed Unit Price Analysis (DUPA), Preliminary Design Scheme, Certificate of Reasonableness, and Certificate of Non-Coverage for the proposed project.

Looking forward for your consideration and favorable action on this request.



Encl.: as stated

RO5.14.1 MBB/EDI/SDC/RSS



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **CAMARINES SUR 2ND DISTRICT ENGINEERING OFFICE** Regional Office V Baras, Canaman Camarines Sur

RO5.14.1-PU-094-0322-003

March 15, 2022

MEMORANDUM

- FOR : Acting Secretary ROGER G. MERCADO This Department
- THRU : Regional Director VIRGILIO C. EDUARTE, CESO III Regional Office V

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	FRO	M			тс)					
	Project Name		Alloc. (P'000)		Project Name		Alloc. (P'000)	Remarks			
- Rehab Upgrad Roads - Minalab	sset Preservation I bilitation/ Reconstr ing of Damaged Pa - Tertiary Roads - I bac-Pili Rd - K0436 + 320, K0440 + 0 + 570	uction/ aved Milaor- + 155 -	88,475	- Rehab Upgradi Roads - Minalab	sset Preservation I vilitation/ Reconstr ing of Damaged Pa Tertiary Roads - I vac-Pili Rd - K0436 + 320, K0440 + 0 + 570	88,475	the decrease in target length and, consequently, increase in unit cost is due to the following: - reconstruction of existing carriageway and provision of				
Comp onent	Type of Work	Physical Target	Amount (P'000)	Comp onent	Type of Work	Physical Target	Amount (P'000)	concrete shoulder on both sides;			
CW1	Reconstruction to Concrete Pavement	5.368 Lane km.	85,378.375	CW1	Reconstruction to Concrete Pavement	<i>3.330</i> Lane km.	85,378.375	 inclusion of drainage and slope protection structures, and miscellaneous road 			
EAO	-	-	3,096.625	EAO	-	3,096.625	safety features; and - inclusion of additional hauling cost for materials.				

Attached for your reference are the Form for Modification Request including Annex "A", Certificate of Availability of Funds (CAF), Technical Justification, BP 202, geo-tagged pictures, GIS Map, Program of Works (POW), Detailed Unit Price Analysis (DUPA), Preliminary Design Scheme, Certificate of Reasonableness, and Certificate of Non-Coverage for the proposed project.

Looking forward for your consideration and favorable action on this request.

RUBEN S. SANTOS, JR. District Engineer

Encl.: as stated

RO5.14.1 MBB/EDI/SDC/RSS

Form for Modification Request

		A. G	ENERAL				
1. REGION Region V		2. DEO Camarines Sur 2nd Distr	ict Engineering Office	TIVE DISTRICT r 2nd Legislative District			
	B. ORIGINAL PROJECT	r	C. PRO	POSED REVISED			
4. UACS (Unified Ad 310106100670000	ccount Code Structure as defi	ned in GAA)					
5. Project Id P00603951LZ							
6. Project Catego 001: Ensure Safe and	ry I Reliable National Road Syste	em					
7. Sub-Program (Asset Preservation - I	P/A/P) Rehabilitation/ Reconstructio	n/ Upgrading of Damag	ed Paved Roads - Tertiary Ro	pads			
8. Operating Unit Camarines Sur 2nd D	t istrict Engineering Office		18. Operating Unit (Cf Camarines Sur 2nd District		pproval)		
9. Type of Work	Enter Details for all Compone	ents below)	19. Type of Work (Ente	er Details for all Compo	nents below)		
Component ID	Type of Work		Component ID	Type of Work			
P00603951LZ-CW1	Reconstruction to Co	ncrete Pavement	P00603951LZ-CW1	Reconstruction to C	oncrete Pavement		
P00603951LZ-EAO	O3951LZ-EAOChoose an item.P00603951LZ-EAOChoose an item.						
Click here to enter te	xt. Choose an item.		Click here to enter text.	Choose an item.	؛m.		
Click here to enter te	xt. Choose an item.		Click here to enter text.	Choose an item.			
	CRIPTION (as recorded in 0 i Rd - K0436 + 155 - K0436 + 3	65 L	20. PROJECT DESCRIP Milaor-Minalabac-Pili Rd - 570	· / ·			
11. ALLOTMENT 88,475	(P'000) (as recorded in GAA)	21. REVISED ESTIMAT (P'000) (Equal to, or low allotment) 88,475		CAF (To be obtained from cial Management office)		
12. PHYSICAL TAI	RGET (Enter Details for all C	omponents below)	23. PHYSICAL TARGET	(Enter Details for all (Components below)		
Component ID	Target	Target Unit	Component ID	Target	Target Unit		
P00603951LZ-CW1	5.368	Lane Km	P00603951LZ-CW1	3.330	Lane Km		
P00603951LZ-EAO	Click here to enter text.	Choose an item.	P00603951LZ-EAO	Click here to enter t	ext. Choose an item.		
Click here to enter text.	Click here to enter text.	Choose an item.	Click here to enter text.	Click here to enter t	ext. Choose an item.		
Click here to enter text.	Click here to enter text.	Choose an item.	Click here to enter text.	here to enter text. Click here to enter text.			
13. UNIT COST (E	nter Details for all Componer	its below)	24. UNIT COST (Enter I	Details for all Compone	nts below)		
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component Cos (P'000)	t Target Unit Cost (P'000/Target Unit)		
P00603951LZ-CW1	85,378.375	15,905.06	P00603951LZ-CW1	85,378	.375 25,639,15		
P00603951LZ-EAO	3,096.625	Click here to enter text.	P00603951LZ-EAO	3,096	.625 Click here to enter text.		
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter 1	text.		
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter	ext. Click here to enter text.		

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	ECT WORK LOCAT	· · · · · · · · · · · · · · · · · · ·	lefined in strict				efined in strict accordan			
	e with DO 65 Series 20 , Camarines Sur	114)		Road pro	5 Series 2014. <mark>Also</mark> ojects under OO marines Sur	THE REPORT OF A DESCRIPTION OF A DESCRIP	EX A" for National			
Start X	123.184943°	End X	123.225024°	Start X	123.184943°	End X	123.225024°			
Start Y	13.570458°	End Y	13.549760°	Start Y	13.570458°	.570458° End Y 1				
15. ROAI Tertiary	D CLASSIFICATION	(if applicable)		26. ROA Tertiary	D CLASSIFICATIO	ON (if applicable)				
the origina	EMENTING OFFIC Il project) Sur 2nd District Engir	-	plementing Office of	proposed	LEMENTING OFF revised project) s Sur 2nd District En		plementing Office of th			
17. PROJ	ECT IMPLEMENT	ATION PLAN (PIP)	28. PRO.	JECT IMPLEMEN	ITATION PLAN (F	PIP)			
Planned 20-Jun-22	Start Date	Planned 03-May-23	End Date	Planned 20-Jun-22	Start Date	Planned E 03-May-23	nd Date			
				29. OVE	RLAP?	30. UNDE ⊠ NO	R WARRANTY?			
			D. ATTACHMEN	NTS & JUS	TIFICATIONS					
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on both sid - inclusion comprises - inclusion 33. PHO ⁻ □NO	action of existing carri des; of drainage and slope 23.28% and 18.54% o of additional hauling TOS SUBMITTED XYES	ageway from 0.2 e protection struc f the total direct cost for material	3 m. thick to 0.28 m. ar tures, and miscellaneo cost, respectively; and	nd from 6.10 i us road safet	m. wide to 6.70 m., y features (includin					
on both sid - inclusion comprises - inclusion 33. PHO ⁻ □NO	action of existing carri des; of drainage and slope 23.28% and 18.54% o of additional hauling TOS SUBMITTED XYES	ageway from 0.2 e protection struc f the total direct cost for material	3 m. thick to 0.28 m. ar ctures, and miscellaneo cost, respectively; and s.	nd from 6.10 i us road safet	m. wide to 6.70 m., y features (includin					
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on both sid - inclusion comprises - inclusion 33. PHO DNO 34. A MA DNO Name: 0ffice: 36. Name: Position: Date:	action of existing carri des; of drainage and slope 23.28% and 18.54% o of additional hauling TOS SUBMITTED SYES AP OF THE PROPC SYES MICHAI Camari REVIEWED BY D ERLIND Chief, I 3/15/20	ageway from 0.2 e protection struc f the total direct cost for material DSED PROJECT EL B. BEDIS nes Sur 2rd DEO ISTRICT OFF A D. IPO	3 m. thick to 0.28 m. ar stures, and miscellaneo cost, respectively; and s. WORK LOCATION 35, P 35, P	ad from 6.10 i us road safet SUBMITTE REPARED I Position: Date: Name: Position: Date:	m. wide to 6.70 m., y features (including ED BY: : Engineer II 3/15/2022 38. REVIEV BRIGILDQ M. F : OIC, Planning a 39. RECOMM	g curb, gutter, sidew VED BY REGIOI ABIA and Design Division ENDED BY REG	ralk and street lights) wi			
on both sid - inclusion comprises - inclusion 33. PHO DNO 34. A MA DNO Name: 36. Name: Position: Date: 37. REC	Inction of existing carri- des; of drainage and slope 23.28% and 18.54% o of additional hauling TOS SUBMITTED SYES AP OF THE PROPO YES MICHAI Camari REVIEWED BY D ERLIND Chief, I 3/15/20 COMMENDED B RUBEN	ageway from 0.2 e protection struc f the total direct cost for material DSED PROJECT EL B. BEDIS nes Sur 2rd DEO DISTRICT OFF A D. IPO Planning and Des D22 Y DISTRICT C S. SANTOS, JR.	3 m. thick to 0.28 m. ar stures, and miscellaneo cost, respectively; and s. WORK LOCATION 35, P 35, P	ad from 6.10 i us road safet SUBMITTE REPARED I Position: Date: Name: Position: Date:	m. wide to 6.70 m., y features (including ED BY: Engineer II 3/15/2022 38. REVIEV BRIGILDQ M. F OIC Planning a 39. RECOMM VIRGILIO C. ED	g curb, gutter, sidew VED BY REGIOI ABIA and Design Division ENDED BY REG DUARTE, CESO III For and ti	NAL OFFICE			

Form for Modification Request

UACS (Unified Account 310106100670000	Code Structure a	s defined in GAA)							
Project Id P00603951LZ									
	40. DPWI	H OFFICE OF TH	IE UNDERSECRETA	RIES FOR OPERATIONS	USE ONLY				
Category of Modifica (choose one)	ition	Category B Category C Category D Adjustment	 Change in Location Change in Operating Send to PS-PD to a oddes not comply with 	Change in Station Limits, due to increase or decrease in budget					
Primary Reason for F	Request (base	d on Category	of Modification): (choose one)					
Category A	Category B	6	Category C	Category D	Adjustment (Must be no change to target or GAA line item)				
 Typographical error on Project Description Project Description needs items removed due to typo error Overlapping Sections Work Change in station lim due to increase or decrease in budget Change in Physical Target 		in station limits, ncrease or e in budget	 No such Barangay No such City/Municipality 	change in the	 Typographical error on Project Component Description Typographical error on other fields not included in, or not consistent with GAA Move funds between Project Components Add/delete Project Components Change of Itemized Project Component: Various Description Location Amount Target 				
	Revi	ewed by Off	an an an ann an an an an ann an an an an	rsecretary for Oper	ations				
Name:	AGNES C	LY	Miar	INY B. BULUS	An				
Signature	Agnus (emen		Ant					
Position:	Executive	, Assistan	f IV Er	bineer III					
Date:									
		41. DPWH	PLANNING SERVI	CE OFFICE USE ONLY					
Category of Modifica (choose one)	ation	 Category B Category C Category D Adjustment 	 Change in Location Change in Operating Send to PS-PD to a n does not comply with 	imits, due to increase or d g Unit (requires DBM appr mend MYPS h DBM Categories					
	an a few ad to be a sufficient and a suffic	Re	viewed by Plan	ning Service					
Name:	Јанка ална	P. OJENAR - O	عنور Name:	PETER PAUL R	. CORTEZ				
Signature	$\leq \uparrow \uparrow$	\geq	Signat	ure: fanle	/				
Position:	Regional Coo	ordinator	Positio	n: ^R Chief of Program	ming Division				
Date:			Date:						

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Physical Target	0.330	3.000										
Target Unit	Lane Km	Lane Km										
Detail Scope of Work	Concrete Reconstruction with 280mm Slab with Drainage	Concrete Reconstruction with 280mm Slab with Drainage										
Type of Work	Reconstruction to Concrete Pavement	Reconstruction to Concrete Pavement										
Length (m)	165	1500										
End Chainage	3419	8670										
Start Chainage	3254	7170										
End Limit LRP + Disp	K0436 + 320	K0441 + 570										
Start Limit LRP + Disp	K0436 + 155	K0440 + 070										
Section ID	S03524LZ											
Component ID	P00603951LZ-CW1											

Modification Form Version 01-2019

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Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **CAMARINES SUR 2ND DISTRICT ENGINEERING OFFICE** REGIONAL OFFICE V Baras, Canaman, Camarines Sur

March 15, 2022

CERTIFICATE OF REASONABLENESS OF COST ESTIMATE

PROJECT: OO1: Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads -Tertiary Roads - Milaor-Minalabac-Pili Rd - K0436 + 155 -K0436 + 320, K0440 + 070 - K0441 + 570

As per 0	GAA		As per POW				
Scope of Work	Phys. Target	Scope of Work	Phys. Target	Unit Cost (Php/Unit)			
CW1 -		CW1 -					
Reconstruction to Concrete Pavement		Reconstruction to Concrete Pavement	3.330 Lane Km	21,714,970.955			

DESCRIPTION	OF WORKS TO BE DONE (AS PER		AS SUBMITTED				
	POW)	TOTAL D	TOTAL DIRECT COST (PHP)				
	Facilities for the Engineer	PHP	411,052.50	0.57%			
B:	Other General Requirements	PHP	3,456,109.35	4.78%			
C:	Earthworks	PHP	5,182,921.85	7.17%			
D:	Subbase and Base Course	PHP	5,792,222.49	8.01%			
E:	Surface Course	PHP	24,134,922.27	33.38%			
G:	Drainage and Slope Protection	PHP	16,831,866.64	23.28%			
H:	Miscellaneous Structures	PHP	13,405,133.18	18.54%			
	Eng'g & Administrative Overhead	PHP	3,096,625.00	4.28%			
	TOTAL	PHP	72,310,853.28	100.00%			

Cost per Lane Km. of project (as per POW) = $\frac{PHP}{3.33} = 21,714,970.95$ Php/Lane km.

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

- 1. Reconstruction of existing carriageway from 0.23 m. thick to 0.28 m. and from 6.10 m. wide to 6.70 m., and provision of 0.23 m. thick concrete shoulder on both sides;
- 2. Inclusion of drainage and slope protection structures, and miscellaneous road safety features (including curb, gutter, sidewalk and street lights) which comprises 23.28% and 18.54% of the total direct cost, respectively;
- 3. Inclusion of additional hauling cost for materials.

Certified by: RUBEN S. SANTOS, JR. District Engineer R05.14.1 MBB/EDI/SLCD/RSS

For and the Absence the Reg bnal Director

MARILOU N. LACUNA Asst. Regional Director

VIRGILIO C. EDUARTE, CESO III Regional Director



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **CAMARINES SUR 2ND DISTRICT ENGINEERING OFFICE** REGIONAL OFFICE V Baras, Canaman, Camarines Sur

March 15, 2022

CERTIFICATE OF REASONABLENESS OF COST ESTIMATE

PROJECT: OO1: Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads -Tertiary Roads - Milaor-Minalabac-Pili Rd - K0436 + 155 -K0436 + 320, K0440 + 070 - K0441 + 570

As per GAA		As per POW		
Scope of Work	Phys. Target	Scope of Work	Phys. Target	Unit Cost (Php/Unit)
CW1 –		CW1 –		
Reconstruction to	5.368 Lane Km	Reconstruction to	3.330 Lane Km	21,714,970.955
Concrete Pavement		Concrete Pavement		

DESCRIPTION OF WORKS TO BE DONE (AS PER		AS SUBMITTED		
POW)		TOTAL D	DIRECT COST (PHP)	% TOTAL
Part: A:	Facilities for the Engineer	PHP	411,052.50	0.57%
B:	Other General Requirements	PHP	3,456,109.35	4.78%
C:	Earthworks	PHP	5,182,921.85	7.17%
D:	Subbase and Base Course	PHP	5,792,222.49	8.01%
E:	Surface Course	PHP	24,134,922.27	33.38%
G:	Drainage and Slope Protection	PHP	16,831,866.64	23.28%
H:	Miscellaneous Structures	PHP	13,405,133.18	18.54%
	Eng'g & Administrative Overhead	PHP	3,096,625.00	4.28%
	TOTAL	PHP	72,310,853.28	100.00%

Cost per Lane Km. of project (as per POW) = $\frac{PHP}{3.33} = \frac{72,310,853.28}{3.33} = 21,714,970.95$ Php/Lane km.

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

- 1. Reconstruction of existing carriageway from 0.23 m. thick to 0.28 m. and from 6.10 m. wide to 6.70 m., and provision of 0.23 m. thick concrete shoulder on both sides;
- 2. Inclusion of drainage and slope protection structures, and miscellaneous road safety features (including curb, gutter, sidewalk and street lights) which comprises 23.28% and 18.54% of the total direct cost, respectively;
- 3. Inclusion of additional hauling cost for materials.

Certified by:

Chief, Planning and Design Section

R05.14.1 MBB/EDI/SLCD/RSS

RUBEN'S. SANTOS, JR. District Engineer



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **CAMARINES SUR 2ND DISTRICT ENGINEERING OFFICE** Regional Office V Baras, Canaman, Camarines Sur

CERTIFICATE OF AVAILABILITY OF FUNDS

This is to certify that the following infrastructure project under the General Appropriations Act of 2022 is not yet obligated since it is classified under "For Later Release" (FLR), viz.

DPWH Regular Infrastructure Program (GAA FY 2022)

UACS PAP Code	Project Name and Location	Allocation (Php)
310106100670000	OO1: Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Tertiary Roads - Milaor-Minalabac-Pili Rd - K0436 + 155 - K0436 + 320, K0440 + 070 - K0441 + 570	88,475,000

This certification is issued this 15th day of March 2022 for the purpose of seeking approval of modification request of said project.

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Noted by: RUBEN S. SANTOS, JR. District Engineer