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		Republic of the Philippine			
	DEPARTMEN	f of public works an	D HIGHWAYS		4
3		CENTRAL OFFICE		5571	
	Programming Div	vision Evaluation S	Sheet		-
	Daang Maharlika Ict-Legazni-Sto			P00400208LZ	
	Name of Camarines Sur Bdry Rd - K0572 +				-
	Project: $\frac{10072}{10073 + 573 - 10072 + 623, 10072}$	<u>73 + 684 - K0573 +</u>			
	<u>749, K0574 + 067 - K0574 + 167</u>	<u>, K0574 + 941 -</u>			
	<u>K0575 + 420, K0576 + 950 - K05</u>	<u>77 + 417, K0578 +</u>			
102	<u>893 - K0578 + 968, K0579 + 120</u>	<u>- K0579 + 180</u>	Appropriation:	110,000,000	
11L	Implementing Office: Albay 1st DEO		Date:	06/18/2020	-
			Date.	00/10/2020	-
	A. <u>TYPE OF REQUEST</u>	A.C. 10 11			
	A.1 Change in Implementin		init due to		
	A.1.1 Geographical Jurisd				
	A.1.2 Approval of Authorit	y to Bid/Implement			
	A.2 PROJECT MODIFICATION	ON/ADJUSTMENTS			
	A.2.1 Typographical Error				
		(for <u>non-existent locatio</u>	ns only)		
	A.2.2 Change in Station L				
	A.2.4 Addition/Deletion of				
		omponent/s Details			
	A.2.5.1 ✓ Change in Ta	rgets ONLY			
	A.2.5.2 Change in Sc	ope of Work ONLY			
	A.2.5.3 Change in Co	mponent Amount ONLY			
	A.2.5.4 Addition of C	omponent ONLY (incl. E)	XC Component	t)	
	A.2.5.5 Deletion of C	omponent ONLY			
	A.2.5.6 Movement of	Funds bet. Components	ONLY		
		anges in Component De		~	
	B. EVALUATION	5			
	B.1 MAY BE ALLOWED as per	the GAA Provisions			
	B.2 NOT ALLOWED as per the				
		GAA PIOVISIONS			
	С.				
	C.1 ✓ FLR (□Released □Unre	eleased) Amount:	110,000,000		
	C.2 FCR				
	D. Remarks: Physical to	arget decreased by	70.74%		
		J	e		
			NH.		
	Evaluated By: Janica Anna P. Ojenar-Beloy	Noted By:	Leonora	C. salang	
	Regional Coordinator	Noted by.		n Chief	
	۸ ر	CTION SLIP			
	Project ID: P00400208LZ	Date:			
	FOR : USEC FOR OPERATIONS	RBB	DSS	EKS	
			1		
	REMARKS: Reviewed by Planning Ser	A	Dia C 7	1 1 1 1 .	
	Recommended for Appro	val sugget to	KD Call	pran gr	carrab
	Remarks: NM	y' wit out to	fince it	is pucked a	nigher
	Man	the BOGYN	reference	& unit Ci	-tt-
		6	, hal		
		U	won		
	-	MARIA CATALINA		D CESO I	

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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

#### MARK A. VILLAR FOR ŝ. Secretary

Respectfully forwarded is the memorandum dated March 2, 2020 of Regional Director Melvin B. Navarro, MNSA, CESO IV, endorsing the request of District Engineer Simon N. Arias, Albay 1<sup>st</sup> DEO, for the modification of project under the FY 2020 GAA, to wit:

	As per GAA/Orig	inal	As Modified			
Project Descr UACS No. Project ID:	31010810031 P00400208L					
001: Ensure Sa	afe and Reliable Nat	ional Road System	OO1: Ensure Safe and Reliable National Road System			
lational Roads	ion — Rehabilitation with Slips, Slope Co condary Roads		Asset Preservation – Rehabilitation/Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Secondary Roads			
Daang Maharlika Jct - Legazpi Sto. Domingo - Tabaco       Daang Maharlika Jct - Legazpi Sto. Domingo - Tabaco         - Camarines Sur Bdry Rd - K0572+833 - K0572+975,       Daang Maharlika Jct - Legazpi Sto. Domingo - Tabaco         K0573+K0573 - K0573+632, K0573+684 - K0573+749, K0574+067 - K0574+167, K0574+941 - K0575+420, K0576+950 - K0577+417, K0578+893 - K0578+968, K0579+120 - K0579+180       Daang Maharlika Jct - Legazpi Sto. Domingo - Tabaco - Camarines Sur Bdry Rd - K0582+330 - K0582+405, K0582+856 - K0582+889, K0582+910 - K0582+955         Physical       Unit Cast       Daang Maharlika Jct - Legazpi Sto. Domingo - Tabaco - Camarines Sur Bdry Rd - K0582+330 - K0582+856 - K0582+889, K0582+910 - K0582+955						
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost	
CW1 – Construction of Road Slope Protection – 21,321.6 Square Meters	₱ 4,978.52 / Square Meter	₱ 106,150,000.00	CW1 – Construction of Road Slope Protection – <b>6,239.62</b> Square Meters	₱ 17,012.25 / Square Meter	₱ 106,150,000.00	
EAO	-	₱ 3,850,000.00	EAO	-	₱ 3,850,000.00	
luctification	Total:	₽ 110,000,000	decrard	Total:	₱ 110,000,000	
Chan Calar Incre Maso requi ased on our a	n: _ Prys ge in station limits nity Funds. ase in unit cost du nry to Steel Shee res sheet piling. evaluation, the su	ical tand s. Overlapping with the to change in deta t Pile since the state bmitted request for	iled design of s bility of the gro	imits released und slope protection st bund for the new	<pre></pre>	
Calan • Incre Maso requi Based on our approval hered <b>RAFAEL C.F</b> genior Unders Undersecretar	n:Pyys ge in station limits nity Funds. ase in unit cost du nry to Steel Shee res sheet piling. evaluation, the su of is recommende ABUT ecretary y for Operations	ical tand s. Overlapping with the to change in deta t Pile since the stat bmitted request for d. Mayor D GOC	some station l iled design of s bility of the gro	imits released und slope protection st bund for the new	<pre></pre>	
Chan Calan     Incre Maso requi assed on our opproval hereo AFAEL Corres Indersecretar Regions I, II,	n: _ Phys ge in station limits nity Funds. ase in unit cost du nry to Steel Shee res sheet piling. evaluation, the su of is recommende ABUT ecretary y for Operations III, IV-A, V and C	AR	some station l iled design of s bility of the gro	imits released und slope protection st bund for the new	<pre></pre>	
Chan Calan Incre Maso requi Based on our approval hered AFAEL Carr Jenior Unders Undersecretar Regions I, II,	n:Pyys ge in station limits nity Funds. ase in unit cost du nry to Steel Shee res sheet piling. evaluation, the su of is recommende ABUT ecretary y for Operations	AR	some station l iled design of s bility of the gro	imits released und slope protection st bund for the new	<pre></pre>	
Chan Calan     Incre Maso requi Based on our of approval hereo PAFAEL C.IF enior Unders Undersecretar Regions I, II, APPROVED/	n: _ Phys ge in station limits nity Funds. ase in unit cost du nry to Steel Shee res sheet piling. evaluation, the su of is recommende ABUT ecretary y for Operations III, IV-A, V and C DISAPPROVED:	AR	some station l iled design of s bility of the gro	imits released und slope protection st bund for the new		
Chan Calan     Incre Maso requi Based on our approval hered     AFAEL Curr Benior Unders     Undersecretar Regions I, II,	n: _ Phys ge in station limits nity Funds. ase in unit cost du nry to Steel Shee res sheet piling. evaluation, the su of is recommende ABUT ecretary y for Operations III, IV-A, V and C DISAPPROVED:	AR	some station l iled design of s bility of the gro	imits released und slope protection st bund for the new of the said project tipuan to und g		

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

Regional Government Center, Rawis, Legazpi City



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OFFICE OF THE SELATIANY

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REC

March 2, 2020

FOR

MEMORANDUM

2

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 Planning and PPP

SUBJECT : Modification Request for Project included under the FY 2020 GAA (RA 11465) within Albay 1st Legislative District for Albay 1st District Engineering Office Implementation

Forwarded is the Memorandum dated February 28, 2020 of District Engineer Simon N. Arias, Albay 1st District Engineering Office, Airport Site, Legazpi City relative to the proposed modification under OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of National 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 Albay 1st 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)	
001: Ensu	0312000 / P00400208LZ rre Safe and Reliable Nation - Secondary Roads -	al Road System - Asset Pre	servation - Reha	bilitation/	Reconstruction of National I	Roads with Slips, Slope Co	oliapse, and	
Project:	Daang Maharlika Jct-Legazpi-S <u>K0572 + 833 - K0572 + 92</u> <u>684 - K0573 + 749, K0574</u> <u>K0575 + 420, K0576 + 950</u> <u>968, K0579 + 120 - K0579</u>	5. K0573 + 573 - K0573 + + 067 - K0574 + 167. K05 ) - K0577 + 417. K0578 + 1	<u>623. K0573 +</u> 74 + 941 -	Project:	Daang Maharilka Jct-Legazpi-S <u>K0582 + 330 - K0582 + 40</u> <u>910 - K0582 + 955</u>			
Component:	Type of Work:	Target Unit	Component Cost	Component:	Type of Work:	Target / Unit	Component Cost	
CW1	Construction of Road Slope Protection Structure	21,321.60 Square meters	106,150	CW1	Construction of Road Slope Protection Structure	6,239.62 Square meters	106,150	
EAO			3,850	EAO			3,850	
	TOTAL		110,000.00		TOTAL		110,000.00	
<ul> <li>Overlap</li> <li>Overlap</li> <li>Overlap</li> <li>Change</li> <li>Original I</li> </ul>	/JUSTIFICATION: uping of some station limits in the ping of some station limits in the in unit cost due to change in d Project: Construction of Stone M Project: Construction of Reinfor	te original projects with the sta etailed scope of work: lasonry Slope Protection (Slop	ation limits requesta e Collapse)	ed under FY	2019 GAA - Calamity Funds			

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. O, MNSA, CESO IV Regional Director

R05.1 JESJ/EMV/BMF/MNL



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **ALBAY 1**<sup>st</sup> **DISTRICT ENGINEERING OFFICE** REGIONAL OFFICE V Airport Site, Legazpi

February 28, 2020

MARK A. VILLAR

Secretary Department of Public Works and Highways Bonifacio Drive, Port Area, Manila



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

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

Thru : MELVIN B. NAVARRO, MNSA, CESO IV Regional Director DPWH, Regional Office No. V Rawis, Legazpi City

### SUBJECT: REQUEST FOR APPROVAL OF MODIFICATION FOR FY 2020 INFRASTRUCTURE PROJECT IN ALBAY 1ST DEO

Sir:

Respectfully submitted herewith for your consideration and approval is the request for modification for the FY 2020 Infrastructure Project to be implemented by Albay 1st District Engineering Office as listed below, to wit:

FROM		ТО		Reason / Justification
Name and Location of Project	Amount (P'000)	Name and Location of Project	Amount (P'000)	
Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads, Daang Maharlika Jct- Legazpi-Sto Domingo- Tabaco-Camarines Sur Bdry Rd - K0572 + 833 - K0572 + 975, K0573 + 573 - K0573 + 623, K0573 + 684 -	P 110,000.00	Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads, Daang Maharlika Jct- Legazpi-Sto Domingo- Tabaco-Camarines Sur Bdry Rd, K0582 + 330 - K0582 + 405, K0582 + 856 - K0582 + 889 and K0582 +	P 110,000.00	<ul> <li>A. There will be a change in the station limits for the said project due to the following:</li> <li>1.) Overlapping of some station limits in the original project with the station limits released under FY 2019 GAA - Calamity Funds.</li> <li>2.) Overlapping of some station limits in the original project with the station limits requested under FY 2019 GAA - Calamity Funds.</li> <li>B. The new project sites are the other critical areas that needs slope protection which were not included in the Calamity Fund request.</li> </ul>

K0573 + 749, K0574	910-K0582 + 95	5,	
+ 067 - K0574 + 167,	Tiwi, Albay		
K0574 + 941 - K0575			
+ 420, K0576 + 950 -			
K0577 + 417, K0578			
+ 893 - K0578 + 968,			
K0579 + 120 - K0579			
+ 180, Tiwi, Albay			

Attached herewith are the copies of Program of Works (POW), Detailed Unit Price Analysis (DUPA) and Other Supporting Documents in support to this modification.

Favorable action hereon is earnestly requested for prompt project procurement and implementation.

Very truly yours,

**SIMON N. ARIAS District Engineer** 

Attachments:

- Modification Form Version 01-2019 1.
- 2. BP202
- 3. Approved Program of Works
- Geotagged Photos (Location of Project)
   Copy of Sub-Allotment Advice for Calamity Funds
- Copy of Contract (Calamity Projects)
   Copy of NOA and NTP (Calamity Projects)
- 8. Straight Line Diagram showing location of projects
- 9. Certificate of Availability of Funds

RO5.9.21 APA/GPR/SNA

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# Form for Modification Request

4.4		A. GE	NERAL				
1. REGION Region V		2. DEO Albay 1st District Eng		LEGISLATIVE DISTRICT			
	B. ORIGINAL PRO	IECT	C. PROPOSED REVISED PROJECT				
4. UACS (Unified 3101081003120		cture as defined in GA/	A)				
5. Project Id P00400208LZ							
6. Project Catego OO1: Ensure Safe a	<b>ry</b> and Reliable National I	Road System					
7. Sub-Program ( Asset Preservation		nstruction of National Roa	ads with Slips, Slop	e Collapse, and Land	dslide - Secondary Roads		
8. Operating Unit Albay 1st District El				Init (Change subje Engineering Office	ect to DBM approval)		
	Enter Details for al	I Components below)	19. Type of Wor below)	rk (Enter Details f	or all Components		
Component ID	Type of Work	e	Component ID	Type of Work			
CW1	Construction of Protection Strue		CW1	Construction of Road Slope Protection Structure			
Daang Maharlika Camarines Sur Be K0573 + 573 - K0 749, K0574 + 06 + 420, K0576 + 9 K0578 + 968, K0	SCRIPTION (as reco Jct-Legazpi-Sto Do dry Rd - K0572 + 8 0573 + 623, K0573 7 - K0574 + 167, K 950 - K0577 + 417, 579 + 120 - K0579 (P'000) (as recorde	omingo-Tabaco- 33 - K0572 + 975, + 684 - K0573 + 0574 + 941 - K0575 K0578 + 893 - + 180	Daang Mahariik Camarines Sur K0582 + 856 - 955 21. REVISED ES	a Jct-Legazpi-Sto Bdry Rd, K0582 + K0582 + 889 and STIMATED COST to, or lower than	he revised project) Domingo-Tabaco- 330 - K0582 + 405, K0582 + 910-K0582 + 22. CAF (To be obtained from Financial Management office ØYES		
12. PHYSICAL TA below)	RGET (Enter Detail	s for all Components	23. PHYSICAL T below)	ARGET (Enter De	tails for all Components		
Component ID	Target	Target Unit	Component ID	Target	Target Unit		
CW1	21,321.60	Square Meters (m2)	CW1	6,239.62	Square Meters (m2		
		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)	t Target Unit Cost (P'000/Target Unit		
CW1	106,150.00	4.978/m2	CW1	106,150.00	17.01/m2		

# Form for Modification Request

	r		Form for Mod	ification <b>R</b>	equest 🦳		
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accordance	CT WORK LOC e with DO 65		st be defined in strict )	accordanc	e with DO 65 Ser		st be defined in stric
iwi, Albay				Tiwi, Albay			
Start X 1	3.477	End X	13.496	Start X	13.468517	End X	13.513338
Start Y 1	23.655	End Y	123.615	Start Y	123.652717	End Y	123.607245
15. ROAD Secondary	CLASSIFICAT	ION (if appli	icable)	26. ROAD Secondary	CLASSIFICATION	l (if appli	cable)
	MENTING OFF		the Implementing		MENTING OFFIC		l the Implementing ct)
Albay 1st I	District Engine	eering Office	•	Albay 1st	District Engineeri	ing Office	3
17. PROJE	CT IMPLEMEN	TATION PL	AN (PIP)	28. PROJE	ECT IMPLEMENTA	TION PL	N (PIP)
Planned Si May 1, 202			End Date Der 8, 2020	Planned S May 1, 202			ned End Date ember 8, 2020
				29. OVERI	LAP?	30. U	NDER WARRANTY?
				🖾 NO			) 🗆 YES
			D. ATTACHMENTS	S & JUSTIFIC	CATIONS		
			TACHED? (For Flood (	Control Broig	(ata)		
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# Form for Modification Request

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UACS (Unified According) 10108100312000		Structure as d	efined in GAA)			
Project Id						
P00400208LZ						
	40. DPWI	H OFFICE OF T	HE UNDERSECRET	RIES FOR	R OPERATIONS USE	ONLY
<b>Category of Modific</b> (choose one)	ation	<ul> <li>Category I</li> <li>Category I</li> <li>Category I</li> <li>Category I</li> <li>Adjustmer</li> </ul>	C – Change in Location D – Change in Operation It – Send to PS-PD to Ion does not comply w	Limits, due n ng Unit (re amend MY		-
Primary Reason for	Request (	based on Cate	gory of Modification	n): (choos	ie one)	Providence
Category A	Cat	tegory B	Category C		Category D	Adjustment (Must be no change to target or GAA line item)
error on Project Work Description Description Change in Project Imits, due		due to increase rease in budget e in Physical	<ul> <li>No such Barangay</li> <li>No such City/Municipality</li> </ul>		ge in (IO), requiring a ge in the (OU)	<ul> <li>Typographical error on Project Component Description</li> <li>Typographical error on other fields not included in, or not consistent with GAA</li> <li>Move funds between Project Components</li> <li>Add/delete Project Components</li> <li>Change of Itemized Project Component:</li> <li>Various</li> <li>Description</li> <li>Location</li> <li>Amount</li> <li>Target</li> </ul>
		Reviewed by	Office of the Unde	rsecretary	y for Operations	
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Signature						
Position:	PROF	EU MAGI	C. A			
Date:		UNE 4,202				
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Position:		Coordinator	Po	sition:	Chief of Programm	ning Division 🖊
Date:	06118	12020	Da	te:	6/18/2020	1

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Annex /



Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS **ALBAY 1**<sup>st</sup> **DISTRICT ENGINEERING OFFICE** REGIONAL OFFICE V Airport Site, Legazpi City 2

June 25, 2020

### **CERTIFICATE OF REASONABLENESS OF COST ESTIMATE**

Project

Duration

: OO1: Ensure Safe and Reliable National Road System, Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Secondary Roads, Daang Maharlika Jct-Legazpi-Sto Domingo-Tabaco-Camarines Sur Bdry Rd, K0582 + 330 - K0582 + 405, K0582 + 856 - K0582 + 889 and K0582 + 910-K0582 + 955

Station Limits :	K0572 + 833 - K0572 + 975, K0573 + 573 - K0573 + 623, K0573 + 684 - K0573 + 749, K0574 + 067 - K0574 + 167, K0574 + 941 - K0575 + 420, K0576 + 950 - K0577 + 417, K0578 + 893 - K0578 + 968, K0579 + 120 - K0579 + 180	( PER GAA )
	K0582 + 330 - K0582 + 405, K0582 + 856 - K0582 + 889 and K0582 + 910-K0582 + 955	( PER POW )
Physical Target :	21,321.60 square meters 6,239.62 square meters	(PER GAA) (PER POW)
Location :	Tiwi, Albay	

## SCOPE OF WORK

: 192 Calendar Days

ITEM NO.	DESCRIPTION		AMOUNT	PERCENT WEIGHT (%)				
A. (	<b>Construction of Slope Protection Stru</b>	ctures	}					
Part A	Facilities for the Engineer	Php	126,126.00	0.11%				
Part B	Other General Requirements	Php	1,837,584.96	1.67%				
Part E	Surface Courses	Php	691,099.45	0.63%				
Part IA	Earthworks	Php	1,435,966.37	1.31%				
Part IB	Bank and Slope Protection	Php	102,059,105.37	92.78%				
B. EAO – Engineering & Administrative Overhead								
Part I	Engineering & Administrative Overhead	Php	3,850,000.00	3.50%				
	Grand Total	Php	109,999,882.15	100%				
	(say)	Php	110,000,000.00	100%0				

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS ALBAY 1 <sup>st</sup> DISTRICT ENGINEERING OFFICE REGIONAL OFFICE V Airport Site, Legazpi City	
Cost per sq.m. of Slope Protection (Per GAA) = $\frac{Php \ 110,000,000.00}{21,321.60 \text{ sq.m.}}$ = <b>Php 5,159.09</b>	ə / sq.m.
Cost per sq.m. of Slope Protection (Per POW) = $\frac{Php \ 110,000,000.00}{6,239.62 \text{ sq.m.}} = Php \ 17,629.28$	3 / sq.m.

Difference in Cost per sq.m.

The difference between the estimated cost of Php 5,159.09/sq.m. per GAA and the estimated cost of Php 17,629.28 as per POW of the project mentioned above is due to the change in detailed scope of work resulted from changing the original station limits/location of the project.

As per GAA, the scope of work is Stone Masonry Slope Protection, but the original station limits/location overlaps with the location of awarded projects funded and requested under calamity funds. To prevent overlapping of projects and to prioritized the critical areas that needs slope protection, the station limits/location of project was changed. Based on actual site survey, the new station limits/location are areas prone to landslide and Reinforced Concrete Slope Protection Structure with Steel Sheet Piles as foundation is deemed necessary to provide slope/roadside protection.

In this regard, the increase in unit cost of Php 12,470.19/sq.m. is considered reasonable as the unit cost of work involved are within the range of the prevailing cost of the department.

Prepared:

NOELANNIE B. MARTINEZ Engineer II

Submitted:

SIMON N. ARIAS **District Engineer** ARRO/ MNSA, CESO IV **Regional Director** 

Checked: ANNELLE P. ANTIVOLA Chief, Planning & Design Section Recommending Approval:

= Php 12,470.19

/ sq.m.

MARIEOU N. LACUNA Chief, Planning & Design Division