

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





August 15, 2024

#### **MEMORANDUM**

TO

KHADAFFY D. TANGGOL

Regional Director DPWH-CAR

Engineer's Hill, Baguio City

ATTENTION:

**RUBY A. UYAM** 

District Engineer

Lower Kalinga District Engineering Office

Bulanao, Tabuk City, Kalinga

Transmitted herewith are the **APPROVED** requests for the **modification** of hereunder stated projects:

- 1. OO1: Ensure Safe and Reliable National Road System Asset Preservation -Preventive Maintenance - Tertiary Roads Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105 - - - **₱125,000,000.00**
- 2. OO1: Ensure Safe and Reliable National Road System Asset Preservation -Preventive Maintenance - Tertiary Roads Malalao Nat'l RD (Agbannawag-Malalao-Bulo Sect) Road, K0514 + 000 - K0516 + 000, K0512 + 716 - K0513 + 000, K0516 + 415 - K0520 + 000, Tabuk City, Kalinga - - - ₱150,000,000.00

Please be reminded that all approved modifications shall be posted in the DPWH website within five (5) days from its approval. Failure to comply with this requirement shall be dealt with accordingly.

REY PETER B. GILLE, D.M.

Assistant Secretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII, and XIII

2.3 mksa/AVS/RPBG/ERP

⊕ Website: https://www.dpwh.gov.ph ISO 9001 © Tel. No(s).: 5304-3000 / (02) 165-02

P/A/P 1 (OO1, OO2, CSSP, LP):  ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System  P/A/P 2 (Program):  Asset Preservation Program  Region:  Cordillera Administrative Region  P/A/P 3 (Sub-Program):  Preventive Maintenance - Tertiary Roads  Preventive Maintenance - Tertiary Roads  Project per GAA:  Bulanao-Paracells Rd, KOS08 + 645 - KOS13 + 1105  Bulanao-Paracells Rd, KOS08 + 645 - KOS13 + 1105  Bulanao-Paracells Rd, KOS08 + 645 - KOS13 + 1105  Bulanao-Paracells Rd, KOS08 + 645 - KOS13 + 1105  The correct physical larget for the given station limits based on GAA (KOS08 + 645 - KOS13 + 1105) is 10.982 lane km.  The correct physical larget of 10.982 lane km. is modified to 6 - 9.9154 lane km.  The decrease in the physical larget of 10.982 lane km. is modified to 6 - 9.9154 lane km.  The decrease in the physical larget of 10.982 lane km. is modified to 6 - 9.9154 lane km.  The decrease in the physical larget of 10.982 lane km. is modified to 6 - 9.9154 lane km.  The decrease in the physical larget of 10.982 lane km. is modified to 6 - 9.9154 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease in the physical larget of 10.982 lane km.  The decrease of the decrease of 10.982 lane km.  The decrease of the decrease of 10.982 lane km.  The decrease of the decrease of 10.982 lane km.  The decrease of the decrease of 10.982 lane km.  The decrease of 10.982 lane km.  The			Projec	t Modification of Allotment				(OF 12024	,
ORGANIZATIONAL OUTCOME 1: Ensure Safe and Reliable National Road System  P/A/P 2 (Program):  Project ID: Po80804227LZ  Asset Preservation Program  Region: Cordillera Administrative Region  P/A/P 3 (Sub-Program):  Preventive Maintenance - Tertiary Roads  Preventive Maintenance - Tertiary Roads  Preventive Maintenance - Tertiary Roads  Project per GAA:  Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105  Preventive Maintenance - Tertiary Roads  Project per GAA:  Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105  The correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.992 line km.  Prom the correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105	( )	)	10 - 3			Date of Evaluation:			
P/A/P 2 (Program):  Asset Preservation Program  Region:  Cordillera Administrative Region  Dyla/P 3 (Sub-Program):  Preventive Maintenance - Tertiary Roads  Bulanao-Paracells Rd, K0508 + 645 - K0513 + 1105  The correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+		¢) ,	P/A/P 1 (00	1, 002, CSSP, LP):			FY 2	2024 GAA	
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P/A/P 3 (Sub-Program):  Preventive Maintenance - Tertiary Roads  Bulanao-Paracells Rd, K0508 + 645 - K0513 + 1105    The correct physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513 + 1105) is 10.982 lane km.   From the corrected physical target for the given station limi			P/A/P	2 (Program):		Project ID:	P008	804227LZ	
Preventive Maintenance - Tertiary Roads  Preventive Maintenance - Tertiary Roads  Preventive Maintenance - Tertiary Roads  Appropriation (Php):    125,000,000   125,000,0			Asset Prese	ervation Program		Region:	Cordillera Adr	ministrative R	egion
FProject per GAA:  Bulanao-Paracells Rd, K0508 + 645 - K0513 + 1105  **The correct physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **From the corrected physical target for the given station limits based on GAA (K0509-645 - K0513+1105) is 10.992 lane km.  **The turities of the care in the target length of the proposed saphalt overlay.  **The turities of the physical target for the given station limits and represent the microscopic or the completion of the proposed asphalt overlay.  **PREPLANNING SERVICE EVALUATION**  **B.1.1**  **PROJECT MODIFICATION ON PROJECT DESCRIPTION**  **B.1.1**  **Typographical Error/s  **B.1.2**  **Change in Station Limits  **Addition/ Deletion of Word/s  **B.1.1**  **PROJECT MODIFICATION ON PROJECT COMPONENTS  **Control No Interest and Project Com			P/A/P3 (	(Sub-Program):					
Bulanao-Paracells Rd, K0508 + 645 - K0513 + 1105  *The correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *The correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.  *From the corrected physical target for the given station limits and the production of the prevaling construction cost of materials necessary for the completion of work contributed to the variance in unit cost thereon causing a decrease in 'the target length of the proposed asphalt overlay.  **Propriet of the proposed asphalt overlay.**  **Propriet of the proposed a			Preventive Mainte	enance - Tertiary Roads			125	,000,000	
The correct physical target for the given station limits based on GAA (K0508+645 - K0513+1105) is 10.982 lane km.	of Proje	ect per G	AA:				-		
#From the corrected physical target of 10.982 lane km. is modified to 6-93154 lane km.  #From the corrected physical target of 10.982 lane km. is modified to 6-93154 lane km.  ### decrease in the uphysical target of 10.982 lane km. is modified to 6-93154 lane km.  ### decrease in the physical target/increase in the unit cost is brought about by the introduction/inclusion of other features of roads particularly land and also includes Solar Pawement Studs and Thermoplastic Pavement Markers  #### The utilization of the prevailing construction cost of materials necessary for the completion of all pertinent scopes of work contributed to the variance in unit cost thereon causing a decrease in 'the target length of the proposed asphalt overlay.  #### PROJECT MODIFICATION ON PROJECT DESCRIPTION  ##### B.1.1				Bulanao-Paracelis Rd, K050	08 + 645 - K0513 + 11	05			
PROJECT MODIFICATION ON PROJECT DESCRIPTION  B.1.1 Typographical Error/s B.1.3 Change in Station Limits AUG 1 3 2024  B.2.2 PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS  B.2.1 Change in Targets B.2.3 Change in Component Amount B.2.2 Change in Scope of Work B.2.3.1 Addition of Component (including excess amount)  B.2.2 Change in Scope of Work B.2.3.2 Deletion of Component (including excess amount)  B.2.3 Movement of Funds between Components  RESULTANT AFTER MODIFICATION  C.1 Additional Project Component/s  C.2 Component/s:  COMP SCOPE OF WORK TARGET DECREASE (%)  FROM TO FROM TO Unit Cost Target  CW1 Preventive Maintenance of Road: Asphalt Overlay Asphalt Overlay 1.768 lane km 6.932 lane km 214.02% -68.16%  CW2	Justific	ication for	• From the corrected pl • The decrease in the p Item 624(8)-Solar LED • The project-is-a 2 land • The utilization of the	nysical target of 10.982 lane km. is in hysical target/increase in the unit construct Street Light, Pavement Milling and F e/Somm thick asphalt overlay and a prevailing construction cost of mater	modified to 693154 lane k ost is brought about by the Pavement Re blocking. Iso includes Solar Pavemen rials necessary for the com	m. introduction/inclusion of t Studs and Thermoplasti pletion of all pertinent sco	other features of	ers	У
B.1.1   Typographical Error/s   B.1.3   Change in Location (for non-existent locations   B.1.4   Addition/ Deletion of Word/s   B.1.2   Change in Location (for non-existent locations   B.1.4   Addition/ Deletion of Word/s   B.2.1   Change in Location (for non-existent locations   B.2.3   Change in Component Amount   B.2.1   Change in Targets   B.2.3   Change in Component Amount   B.2.3.2   Deletion of Component (including excess amount)   B.2.3.2   Deletion of Component   B.2.3.3   Movement of Funds between Components    **RESULTANT AFTER MODIFICATION**  C.1   Additional Project Component/s   C.2   Component/s    C.2   Component/s:   TARGET   INCREASE/DECREASE (%)   Decrease (%)    FROM   TO   FROM   TO   Unit Cost   Target    CW1   Preventive Maintenance of Road: Asphalt Overlay   Asphalt Overlay   Asphalt Overlay   CW2   -	A.1	. ✓	Certificate of Reasonablenes	s of Cost Estimate app	proved by: RD Khadaffy	D. Tanggol dated: _			
B.1	. PFR F	PI ANNTI	Y NG SERVICE EVALUATION				DI	PWH -	OS
B.1.1 Typographical Error/s B.1.2 Change in Location (for non-existent locations only)  B.2 PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS  B.2.1 Change in Targets B.2.3 Change in Component Amount B.2.2 Change in Scope of Work B.2.3.2 Deletion of Component (including excess amount)  B.2.3.2 Deletion of Component  B.2.3.3 Movement of Funds between Components  C.1 Additional Project Component/s  C.2 Component/s:  COMP  SCOPE OF WORK  TARGET  TO FROM  TO Unit Cost  Target  CW1 Preventive Maintenance of Road: Asphalt Overlay  CW2					)N		nE	CE.	1
B.1.2 Change in Location (for non-existent locations only)  B.2 PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS  B.2.1 Change in Targets  B.2.3 Change in Component Amount  B.2.2 Change in Scope of Work  B.2.3.1 Addition of Component (including excess amount)  B.2.3.2 Deletion of Component  B.2.3.3 Movement of Funds between Components  Preventive Maintenance of Road: Asphalt Overlay  CW2	5.1					in Station Limits	K	AUG 13	202
B.2. V PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS  B.2.1 V Change in Targets B.2.3 Change in Component Amount  B.2.2 Change in Scope of Work B.2.3.1 Addition of Component (including excess amount)  B.2.3.2 Deletion of Component  B.2.3.3 Movement of Funds between Components  Preventives:  C.2 Component/s:  COMP  SCOPE OF WORK  TARGET  DECREASE/ DECREASE (%)  FROM TO Unit Cost Target  Preventive Maintenance of Road: Asphalt Overlay  Asphalt Overlay  CW2							A 10	A00   3	202
B.2.1 Change in Targets B.2.2 Change in Scope of Work  B.2.3.1 Addition of Component (including excess amount)  B.2.3.2 Deletion of Component  B.2.3.3 Deletion of Component  Movement of Funds between Components  C.1 Additional Project Component/s  C.2 Component/s:  COMP  SCOPE OF WORK  TARGET  FROM  TO  FROM  TO  FROM  TO  TO  FROM  TO  TO  FROM  TO  Unit Cost  Target  CW1  Preventive Maintenance of Road: Asphalt Overlay  CW2  CW3  TO  TO  TO  FROM  TO  FROM  TO  FROM  TO  FROM  FROM  FROM  FROM  FROM  Asphalt Overlay  CW3  TARGET  TINCREASE/ DECREASE (%)  FROM  FROM  TO  FROM  TO  FROM		D.1.2	onlv)		) tadicio	., 5 0.00.01. 01. 1101.0, 0	and the same of th		
B.2.1  Change in Targets B.2.3  Change in Component Amount  B.2.2  Change in Scope of Work B.2.3.1  Addition of Component (including excess amount)  B.2.3.2  Deletion of Component  B.2.3.3  Movement of Funds between Components  C.1  Additional Project Component/s  C.2  Component/s:  COMP	D 3							211-	1
B.2.3.2   Deletion of Component	D.2				1		Control No	24	2MG
B.2.3.3   Movement of Funds between Components	B.2	B.2.1	✓ Change in Targets	B.2.3	Change in Component		Control No.	24-	246
RESULTANT AFTER MODIFICATION   Additional Project Component/s	B.2	B.2.1	✓ Change in Targets	B.2.3 B.2.3.1	Change in Component  Addition of Cor	nponent (including ex	Control No.	) <del>] 4</del> -	246
C.2 Component/s:    COMP	Б.2	B.2.1	✓ Change in Targets	B.2.3 B.2.3.1 Work B.2.3.1 B.2.3.2	Change in Component  Addition of Cor  Deletion of Cor	nponent (including ex	Control No IDTS No.	) <del>} 4</del>	246
COMP         SCOPE OF WORK         TARGET         INCREASE/ DECREASE (%)           FROM         TO         FROM         TO         Unit Cost         Target           CW1         Preventive Maintenance of Road: Asphalt Overlay         21.768 lane km         6.932 lane km         214.02%         -68.16%           CW2         -         -         -         -         -         -           CW3         -         -         -         -         -         -		B.2.1 B.2.2	✓ Change in Targets Change in Scope of	B.2.3 B.2.3.1 Work B.2.3.1 B.2.3.2	Change in Component  Addition of Cor  Deletion of Cor	nponent (including ex	Control No IDTS No.	24	246
COMP	c. <u>RESU</u>	B.2.1 B.2.2	Change in Targets Change in Scope of	B.2.3 B.2.3.1  Work B.2.3.2  B.2.3.3	Change in Component  Addition of Cor  Deletion of Cor	nponent (including ex	Control No IDTS No.	24	246
FROM TO FROM TO Unit Cost Target  CW1 Preventive Maintenance of Road: Asphalt Overlay	C. RESU	B.2.1 B.2.2 <b>ULTANT</b>	Change in Targets Change in Scope of  AFTER MODIFICATION  Additional Project Componen	B.2.3 B.2.3.1  Work B.2.3.2  B.2.3.3	Change in Component  Addition of Cor  Deletion of Cor	nponent (including ex	ccess amount)	ľ	246
CW1         Road: Asphalt Overlay         Asphalt Overlay         21./68 lane km         6.932 lane km         214.02%         -68.16%           CW2         -         -         -         -         -         -         -           CW3         -         -         -         -         -         -         -         -	C. <u>RESU</u> C.1	B.2.1 B.2.2  ULTANT	Change in Targets Change in Scope of Change in Scope of  AFTER MODIFICATION Additional Project Componenting	B.2.3 B.2.3.1  Work B.2.3.2  B.2.3.3  ht/s	Change in Component  Addition of Cor  Deletion of Cor  Movement of F	nponent (including ex nponent unds between Compo	ccess amount) onents	EASE/	246
CW3	c. <u>RESU</u>	B.2.1 B.2.2  ULTANT	Change in Targets Change in Scope of  Change in Scope of  AFTER MODIFICATION  Additional Project Component  nent/s:  SCOPE  FROM	B.2.3 B.2.3.1  Work B.2.3.1  B.2.3.2  B.2.3.3  ht/s  OF WORK	Change in Component Addition of Cor Deletion of Cor Movement of F	nponent (including ex nponent unds between Compo	ccess amount)  increase a mount increase	EASE/ ASE (%)	246
	C. <u>RESU</u> C.1	B.2.1 B.2.2  ULTANT /  1  COMP	Change in Targets Change in Scope of  Change in Scope of  AFTER MODIFICATION  Additional Project Component  Bent/s:  SCOPE FROM Preventive Maintenance of	B.2.3  Work  B.2.3.1  B.2.3.2  B.2.3.3  Int/s  OF WORK  TO  Preventive Maintenance of Road:	Change in Component Addition of Cor Deletion of Cor Movement of F  TAR FROM	nponent (including ex nponent unds between Compo GET	ccess amount) onents  INCR DECRE	EASE/ ASE (%) Target	246
	. RESU	B.2.1 B.2.2  ULTANT A  1 COMP CW1 CW2	Change in Targets Change in Scope of  AFTER MODIFICATION Additional Project Component nent/s:  SCOPE FROM Preventive Maintenance of Road: Asphalt Overlay	B.2.3  Work  B.2.3.1  B.2.3.2  B.2.3.3  ht/s  OF WORK  TO  Preventive Maintenance of Road: Asphalt Overlay  -	Change in Component Addition of Cor Deletion of Cor Movement of F  TAR FROM 21.768 lane km -	nponent (including ex nponent unds between Compo GET TO 6.932 lane km	incress amount)	EASE/ ASE (%) Target -68.16%	246
	C. <u>RESU</u> C.1 C.2	B.2.1 B.2.2  ULTANT A  1 COMP CW1 CW2 CW3 CW4	Change in Targets Change in Scope of  AFTER MODIFICATION Additional Project Component ent/s:  SCOPE FROM Preventive Maintenance of Road: Asphalt Overlay	B.2.3  Work  B.2.3.1  B.2.3.2  B.2.3.3  ht/s  OF WORK  TO  Preventive Maintenance of Road: Asphalt Overlay  -	Change in Component Addition of Cor Deletion of Cor Movement of F  TAR FROM 21.768 lane km -	nponent (including ex nponent unds between Compo GET TO 6.932 lane km	incress amount)	EASE/ ASE (%) Target -68.16%	7
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MARIA CATALINA E. CABRAL, Ph.D., CESO I

Recommended for Approval

Remarks:

Undersecretary for Planning and PPP Services



#### Republic of the Fhilippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

### **OFFICE OF THE SECRETARY**





July 17, 2024

#### **MEMORANDUM**

FOR

MANUEL M. BONOAN

Secretary

This Department

This refers to the memorandum dated April 16, 2024, of DPWH CAR Regional Director KHADAFFY D. TANGGOL, endorsing the request of District Engineer RUBY A. UYAM, Lower Kalinga District Engineering Office, for the modification of the project under FY 2024 GAA, to wit:

	As per GAA/Orig	inal		As Modified	
- Line - Marine Marine all Conference - Conf			Description		
UACS No. 3101 Project ID: P0	103101367000 0804227LZ				
OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Preventive Maintenance - Tertiary Roads •			fe and Reliable Nationa reventive Maintenance		
Bulanao-Paraceli	is Rd, K0508 + 645	- K0513 + 1105 =	Bulanao-Paracel	is Rd, K0508 + 645 - K	(0513 + 1105
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Preventive Maintenance of Road: Asphalt Overlay/ 21.768 Lane Kilometers	₱ 5,541,391.03/ Lane Kilometers	₱ 120,625,000.00 ≠	CW1- Preventive Maintenance of Road: Asphalt Overlay / 6.93154 Lane Kilometers	P 17,401,286.79/ Lane Kilometers	P 120,617,715.46
EAO	_	₱ 4,375,000.00	EAO	/ _ /	₱ 4,375,000.00 /
		(	EXCESS		₱ 7,284.54
	Total:	₱ 125,000,000.00°	-	Total:	P 125,000,000.00
EXC	ess - Ne	tur & The	seof w/n	30 days	after

Page 2 of 3

#### Justification:

The project is to be modified in view of the following:

- The correct physical target for the given station limits based on GAA (K0508+645 K0513+1105) is 10.982 lane km.
- From the corrected physical target of 10.982 lane km. is modified to 6.93154 lane km.
- The decrease in the physical target/increase in the unit cost is brought about by the introduction/inclusion of other features of roads particularly Item 624(8)-Solar LED Street Light, Pavement Milling and Pavement Reblocking.
- The project is a 2 lane/50mm thick asphalt overlay and also includes Solar Pavement Studs and Thermoplastic-Pavement Markers
- The utilization of the prevailing construction cost of materials necessary for the completion of all pertinent scopes of work contributed to the variance in unit cost thereon causing a decrease in the target length of the proposed asphalt overlay.
- The unit cost has also been evaluated and reviewed by the Bureau of Construction (BOC). The original Php 125,000,000.00 estimated cost was reduced to Php 124,992,715.46 resulting in an excess of Php 7,284.54
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA)

Attached are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), BP 202, Geotagged photos, GIS Map and Certification of No overlapping (Certified by the District Engineer, Planning & Design, Construction and Maintenance Division Chief).

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

REY PETER B. GILLE, D.M.

Assistant Secretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII

**RECOMMENDING APPROVAL:** 

MARIA CATALINA E. CABRAL, Ph.D., CESO I Undersecretary for Planning

and Public-Private Partnership Services

Undersecretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII, and

IIIX

APPROVED/DISAPPROVED:

Department of Public Works and Highways Office of the Secretary

Secretary



# Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS LOWER KALINGA DISTRICT ENGINEERING OFFICE



Bulanao, Tabuk City, Kalinga, Cordillera Administrative Region

July 08, 2024

#### **MEMORANDUM**

**FOR** 

: KHADAFFY D. TANGGOL

Regional Director

**THRU** 

: ARNOLD O. DACWAG

OIC-Chief, Planning & Design Division

**SUBJECT** 

: Resubmission of Modification of Preventive Maintenance Project

along National Roads of Lower Kalinga District Engineering Office

We are respectfully submitting the pertinent documents of the following projects subject for modification reflecting the changes as per evaluation of Bureau of Construction dated June 03, 2024, to wit:

	Original Submission	As Evaluated by BOC
Project ID	P00804227LZ	
Project Title	Asset Preservation Program-Preventive Maintenance - Tertiary Roads - Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105	
Type of Work	CW1: Preventive Maintenance of Road: Asphalt Overlay	
Physical Target:	8.13557 Lane Kilometer	
Allocation	CW1 - ₱ <b>120,625,000.00</b> EAO - ₱ 4,375,000.00	CW1 - ₱ <b>120,617,715.46</b> EAO - ₱ 4,375,000.00 Excess - ₱ <b>7,284.54</b>

	Original Submission	As Evaluated by BOC
Project ID	P00804228LZ	
Project Title	Asset Preservation Program-Preventive Maintenance - Tertiary Roads - Malalao Nat'l RD (Agbannawag-Malalao-Bulo Sect) Road, K0514 + 000 -K0516 + 000, K0512 + 716 - K0513 + 000, K0516 + 415 - K0520 + 000, Tabuk City, Kalinga	
Type of Work	CW1: Preventive Maintenance of Road: Asphalt Overlay	
Physical Target:	8.03063 Lane Kilometer	
CW1 - ₱ <b>144,750,000.00</b> EAO - ₱ 5,250,000.00		CW1 - ₱ <b>144,384,330.87</b> EAO - ₱ <b>5</b> ,250,000.00 <b>Excess - ₱ 365,669.13</b>

	Original Submission	As Evaluated by BOC
Project ID	P00802251LZ	
Project Title	Asset Preservation Program-Preventive Maintenance - Tertiary Roads - Rizal Natl Rd (Liwan West-Babalag-Macutay Sect) - K0522 + (- 569) - K0522 + 088	
Type of Work	CW1: Preventive Maintenance of Road: Asphalt Overlay	
Physical Target:	0.92692 Lane Kilometer	
Allocation	CW1 - ₱ <b>11,760,000.00</b> EAO - ₱ 240,000.00	CW1 - ₱ 11,948,793.33 EAO - ₱ 240,000.00 Excess - ₱ 51,206.67

Attached is a copy evaluation of the evaluation of the Bureau of Construction, for your ready reference.

For your favorable consideration.

RUBÝ A. UYAM District Engineer

CAR 15.1 MAE/ABN/EMJE





#### Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CORDILLERA ADMINISTRATIVE REGION

Engineer's Hill, Baguio City



April 16, 2024

#### **MEMORANDUM**

FOR

: MANUEL M. BONOAN

Secretary

THRU

: EUGENIO R. PIPO, JR.

Undersecretary for Regional Operations CAR, Regions I, II, IX, X, XI, XII, and XIII

SUBJECT

: Request for Modification of the Project: **ORGANIZATIONAL** OUTCOME 1: Ensure Safe and Reliable National Road System -Asset Preservation - Preventive Maintenance - Tertiary Roads-Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105, Tabuk City,

Kalinga, under the FY 2024 General Appropriations Act.

We are respectfully forwarding the Memorandum dated April 5, 2024 from District Engineer Ruby A. Uyam, Lower Kalinga District Engineering Office, regarding the modification of the above project in the amount of One Hundred Twenty Five Million Pesos (Php **125,000,000,00**) as indicated below:

	FROM	ТО
Project ID	P00804227LZ	
Project Title	Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105, Tabuk City, Kalinga	Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105, Tabuk City, Kalinga
Type of Work	CW1- Preventive Maintenance of Road: Asphalt Overlay	
Physical Target	CW1- 21.768 Lane Kilometers	CW1-6.93154 Lane Kilometer
Allocation	CW1- Php 120,625,000.00 EAO- Php 4,375,000.00	CW1- Php 120,617,715.46 EAO- Php 4,375,000.00 EXCESS – Php 7,284.54

The supporting documents based on D.O No. 23, series of 2023 are attached for your ready reference.

For the consideration of the Secretary.

KHADAFRY D. TANGGOL

Regional Director

CAR.1 RBP/EFD/JWC/ABM





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



July 3, 2024

#### **MEMORANDUM**

FOR

Undersecretary EUGENIO R. PIPO, JR.

Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII

**SUBJECT** 

Request for the Approval of Modification of the Project under **FY2024 GAA:** 

Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation Program- Preventive Maintenance – Tertiary Roads

- 1. P00802254LZ: Balbalan Pinukpuk Rd K0516+200 K0518+939, K0519+053 - K0519+759, Pinukpuk, Kalinga
- 2. P00804227LZ: Bulanao Paracelis Rd, K0508+645 K0513+1105, Tabuk City, Kalinga

Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation Program - Preventive Maintenance – Secondary Roads

3. P00804225LZ: Mt. Province Bdry – Calanan – Pinukpuk – Abbut Rd (Calanan - Pinukpuk Section), K0512+000 - K0513+398, K0514+000 -K0515+000, K0515+265 - K0518+000, Tabuk City, Kalinga

Organizational Outcome 1: Ensure Safe and Reliable National Road System - Asset Preservation Program - Preventive **Maintenance - Tertiary Roads** 

- 4. P00804228LZ: Malalao National Road (Agbannawag Malalao Bulo Section), K0514+000 - K0516+000, K0512+716 -K0513+000, K516+415 - K0520+000, Tabuk City, Kalinga
- 5. P00802251LZ: Rizal National Road (Liwan West Babalag Macutay Sect), K0522+(-569) - K0522+(-092.871), Rizal, Kalinga

Forwarded herewith are the results of the evaluation for the above-mentioned requests, which was resubmitted to this Office per Memorandum dated June 7, 2024 (Annex "A").

The requested amount of P517,139,000.00 (inclusive of EAO) for the five (5) asphalt overlay projects was reduced to P513,962,380.54 (inclusive of EAO) due to corrections made on the utilization of manpower, rental rate of equipment and utilization of material component. Likewise, the items of work involved and corresponding quantities were based

Website: https://www.dpwh.gov.ph

Request for Modification of the Project: 1.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Balbalan – Pinukpuk Rd – K0516+200 – K0518+939, K0519+053 – K0522+7590 2.rganizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Bulanao – Paracelis Rd, K0508+645 – K0513+1105 3.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Secondary Roads – Mt. Province Bdry – Calanan – Pinukpuk – Abbut Rd (Calanan – Pinukpuk Section) K0512+000 – K513+398, K0514+000 - K515+000, K0515+265 – K0518+000, Tabuk City, Kalinga 4.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Malalao Nat'l Rd (Agbannawag – Malalao – Bulo Sect), K0514+000 – K0516+000, K0512+716 – K0513+000, K516+415 – K0520+000, Tabuk City, Kalinga 5.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Rizal Nat'l Rd (Liwan West – Babalag – Macutay Sect), R0522+(-699) – K0522+(-092.871)

on the approved Program of Works (POW), Detailed Engineering Design Plan, and other pertinent documents, duly approved by the District Engineer, DPWH - Lower Kalinga District Engineering Office.

#### PROJECT NO.1

The requested amount of **P80,139,000.00** (inclusive of EAO) for the 6.884 lane kilometer of Balbalan – Pinukpuk Rd – K0516+200 – K0518+939, K0519+053 – K0519+759, Pinukpuk, Kalinga, as submitted, was reduced to **P77,625,407.10** (inclusive of EAO) due to the corrections made on the productivity output, manpower components, rental rate of equipment and material component. Likewise, the items of work involved and corresponding quantities were based on the approved Program of Works (POW), Detailed Engineering Design Plan, and other pertinent documents, duly approved by the District Engineer, DPWH - Lower Kalinga District Engineering Office.

#### SCOPE OF WORK

ITEM NO.	DESCRIPTION		AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	Р	249,616.23	0.33%
Part C	Earthworks	Р	24,712.67	0.03%
Part D	Subbase and Base Course	Р	12,240.42	0.02%
Part E	Surface Course	Р	72,644,932.74	96.98%
Part G	Drainage and Slope Protection Structures	Р	1,977,015.79	2.64%
	<b>Grand Total</b>	Р	74,908,517.85	100.00%

Cost per lane kilometer Of Asphalt Overlay (Part E only) <u>P72,644,932.74</u>= **P10,552,721.20 /lane km** 6.884 lane km

The estimated cost of **P10,552,721.20** per lane kilometer is due to the design requirements as reflected in the Approved Detailed Engineering Design Plan for the asphalt overlay, which involves the provision of 0.28 meter thick reblocking of concrete pavement, Bituminous Concrete Surface Wearing Course, Hot-Laid; 50mm thick and Emulsified Asphalt, which accounts to **96.98%** of the total project cost, aggregate subbase course, and reflectorized thermoplastic pavement markings, coupled with recent price escalation and hauling of construction materials at 127.26 km away from the project. Hence, the evaluated cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

Request for Modification of the Project: 1.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Balbalan — Pinukpuk Rd — K0516+200 — K0518+939, K0519+053 — K0522+7590 2.rganizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Bulanao — Paracelis Rd, K0508+645 — K0513+1105 3.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Secondary Roads — Mt. Province Bdry — Calanan — Pinukpuk — Abbut Rd (Calanan — Pinukpuk Section) K0512+000 — K513+398, K0514+000 — K515+000, K0515+265 — K0518+000, Tabuk City, Kalinga 4.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Malalao Nat'l Rd (Agbannawag — Malalao — Bulo Sect), K0514+000 — K0516+000, K0512+716 — K0513+000, K516+415 — K0520+000, Tabuk City, Kalinga 5.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Rizal Nat'l Rd (Liwan West — Babalag — Macutay Sect), K0522+(-569) — K0522+(-092.871)

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#### PROJECT NO.2

The requested amount of **P125,000,000.00** (inclusive of EAO) for the 6.93154 lane kilometer of Bulanao – Paracelis Rd, K0508+645 – K0513+1105, Tabuk City, Kalinga, as submitted, was reduced to **P124,800,928.42** (inclusive of EAO) due to the corrections made on the productivity output, manpower components, rental rate of equipment and material component. Likewise, the items of work involved and corresponding quantities were based on the approved Program of Works (POW), Detailed Engineering Design Plan, and other pertinent documents, duly approved by the District Engineer, DPWH - Lower Kalinga District Engineering Office.

#### SCOPE OF WORK

ITEM NO.	DESCRIPTION		AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	Р	463,361.06	0.38%
Part C	Earthworks	Р	806,993.70	0.67%
Part D	Base and Subbase Course	Р	563,239.62	0.47%
Part E	Surface Course	Р	72,735,474.07	60.40%
Part H	Miscellaneous Structures	Р	45,863,827.48	38.08%
	Grand Total	P	120,432,895.93	100.00%

Cost per lane kilometer Of Asphalt Overlay (Part E only) <u>P 72,735,474.07</u>= **P10,493,407.54 /lane km** 6.93154 lane km

The estimated cost of **P10,493,407.54** per lane kilometer is due to the design requirements as reflected in the Approved Detailed Engineering Design Plan for the asphalt overlay, which involves the provision of 0.28 meter thick reblocking of concrete pavement, Bituminous Concrete Surface Wearing Course, Hot-Laid; 50mm thick and Emulsified Asphalt, which accounts to **60.40%** of the total project cost, aggregate subbase course, and miscellaneous structures such as reflectorized thermoplastic pavement markings and solar LED street light which accounts to **38.08%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 127.26 km away from the project. Hence, the evaluated cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

#### **PROJECT NO.3**

The requested amount of **P150,000,000.00** (inclusive of EAO) for the 8.13557 lane kilometer of Mt. Province Bdry – Calanan – Pinukpuk – Abbut Rd (Calanan – Pinukpuk Section) K0512+000 – K513+398, K0514+000 -k515+000, K0515+265 – K0518+000, Tabuk City,

Request for Modification of the Project: 1.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Balbalan — Pinukpuk Rd — K0516+200 — K0518+939, K0519+053 — K0522+7590 2.rganizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Bulanao — Paracelis Rd, K0508+645 — K0513+1105 3.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Secondary Roads — Mt. Province Bdry — Calanan — Pinukpuk — Abbut Rd (Calanan — Pinukpuk Section) K0512+000 — K513+398, K0514+000 — K515+000, K0515+265 — K0518+000, Tabuk City, Kalinga 4.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Malalao Nat'l Rd (Liwan West — Babalag — Macutay Sect), nK0522+(-569) — K0522+(-092.871)

Kalinga, as submitted, was reduced to **P149,723,434.31** (inclusive of EAO) due to the corrections made on the productivity output, manpower components, equipment components, and material component. Likewise, the items of work involved and corresponding quantities were based on the approved Program of Works (POW), Detailed Engineering Design Plan, and other pertinent documents, duly approved by the District Engineer, DPWH - Lower Kalinga District Engineering Office.

#### **SCOPE OF WORK**

ITEM NO.	DESCRIPTION		AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	Р	358,459.29	0.25%
Part C	Earthworks	Р	994,976.43	0.69%
Part D	Base and Subbase Course	Р	590,310.74	0.41%
Part E	Surface Course	Р	84,257,886.91	58.31%
Part H	Miscellaneous Structures	Р	58,281,480.74	40.34%
	Grand Total	P	144,483,114.11	100.00%

Cost per lane kilometer Of Asphalt Overlay (Part E only) P84,257,886.91 8.13557 lane km

= P10,356,728.16 /lane km

The estimated cost of **P10,356,728.16** per lane kilometer is due to the design requirements as reflected in the Approved Detailed Engineering Design Plan for the asphalt overlay, which involves the provision of 0.28 meter thick reblocking of concrete pavement, Bituminous Concrete Surface Wearing Course, Hot-Laid; 50mm thick and Emulsified Asphalt, which accounts to **58.31%** of the total project cost, aggregate subbase course, and miscellaneous structures such as reflectorized thermoplastic pavement markings and solar LED street light which accounts to **40.34%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 122.26 km away from the project. Hence, the evaluated cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

#### **PROJECT NO.4**

The requested amount of **P150,000,000.00** (inclusive of EAO) for the 8.03063 lane **kilometer** of Malalao Nat'l Rd (Agbannawag – Malalao – Bulo Sect) Road, K0514+000 – K0516+000, K0512+716 – K0513+000, K516+415 – K0520+000, Tabuk City, Kalinga as submitted, was reduced to **P149,844,012.31** (inclusive of EAO) due to the corrections made on the productivity output, manpower components, and material component. Likewise, the items of work and corresponding quantities were based on the approved Program of Works

Request for Modification of the Project: 1.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Balbalan – Pinukpuk Rd – K0516+200 – K0518+939, K0519+053 – K0522+7590 2.rganizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Bulanao – Paracells Rd, K0508+645 – K0513+1105 3.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Secondary Roads – Mt. Province Bdry – Calanan – Pinukpuk – Abbut Rd (Calanan – Pinukpuk Section) K0512+000 – K513+398, K0514+000 – k515+000, K0515+265 – K0518+000, Tabuk City, Kalinga 4.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Malalao Nat'l Rd (Agbannawag – Malalao – Bulo Sect), K0514+000 – K0516+000, K0512+716 – K0513+000, K516+415 – K0520+000, Tabuk City, Kalinga 5.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads – Rizal Nat'l Rd (Liwan West – Babalag – Macutay Sect), nK0522+(-569) – K0522+(-092.871)

(POW), Detailed Engineering Design Plan, and pertinent documents, duly approved by the District Engineer, DPWH Lower Kalinga District Engineering Office.

#### SCOPE OF WORK

ITEM NO.	DESCRIPTION		AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	Р	429,404.25	0.30%
Part C	Earthworks	Р	1,323,187.20	0.92%
Part D	Base and Subbase Course	Р	423,784.73	0.29%
Part E	Surface Course	Р	85,521,822.13	59.14%
Part H	Miscellaneous Structures	Р	56,901,273.57	39.35%
	<b>Grand Total</b>	P	144,599,471.88	100.00%

Cost per lane kilometer Of Asphalt Overlay (Part E only) P85,521,822.13 8.03063 lane km = P10,649,453.67 /lane km

The estimated cost of **P10,649,453.67** per lane kilometer is due to the design requirements as reflected in the Approved Detailed Engineering Design Plan for the asphalt overlay, which involves the provision of 0.28 meter thick reblocking of concrete pavement, Bituminous Concrete Surface Wearing Course, Hot-Laid; 50mm thick and Emulsified Asphalt, which accounts to **59.14%** of the total project cost, aggregate subbase course, and miscellaneous structures such as reflectorized thermoplastic pavement markings and solar LED street light which accounts to **39.35%** of the total project cost, coupled with recent price escalation and hauling of construction materials at 127.22 km away from the project. Hence, the evaluated cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

#### **PROJECT NO.5**

The requested amount of **P12,000,000.00** (inclusive of EAO) for the 0.9262 lane kilometer of Rizal Nat'l Rd (Liwan West – Babalag – Macutay Sect) – K0522+(-569) – K0522+(-092.871), Rizal, Kalinga as submitted, was reduced to **P11,968,598.40** (inclusive of EAO) due to the corrections made on the productivity output, manpower components, and material component. Likewise, the items of work and corresponding quantities were based on the approved Program of Works (POW), Detailed Engineering Design Plan, and other pertinent documents, duly approved by the District - Engineer, DPWH Lower Kalinga District Engineering Office.

Request for Modification of the Project: 1.Organizational Outcome 1: Ensure Safe and Reliable National Road System – Asset Preservation – Preventive Maintenance Tertiary Roads — Balbalan – Pinukpuk Rd – K0516+200 – K0518+939, K0519+053 – K0522+7590 2.rganizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Bulanao — Paracelis Rd, K0508+645 – K0513+1105 3.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Secondary Roads — Mt. Province Bdry — Calanan — Pinukpuk — Abbut Rd (Calanan — Pinukpuk Section) K0512+000 — K513+398, K0514+000 - K515+000, K0515+265 — K0518+000, Tabuk City, Kalinga 4.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Malalao Nat'l Rd (Agbannawag — Malalao — Bulo Sect), K0514+000 — K0516+000, K0512+716 — K0513+000, K516+415 — K0520+000, Tabuk City, Kalinga 5.Organizational Outcome 1: Ensure Safe and Reliable National Road System — Asset Preservation — Preventive Maintenance Tertiary Roads — Rizal Nat'l Rd (Liwan West — Babalag — Macutay Sect), nK0522+(-569) — K0522+(-092.871)

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#### SCOPE OF WORK

ITEM NO.	DESCRIPTION		AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	Р	146,857.40	1.24%
Part C	Earthworks	Р	248,923.62	2.13%
Part D	Base and Subbase Course	Р	42,914.00	0.37%
Part E	Surface Course	Р	11,057,835.86	94.28%
Part H	Miscellaneous Structures	Р	232,695.55	1.98%
Grand Total		Р	11,729,226.43	100.00%

Cost per lane kilometer Of Asphalt Overlay (Part E only) P11,057,835.56 0.9262 lane km

= P11,938,928.81 /lane km

1.1

The estimated cost of **P11,938,928.81** per lane kilometer is due to the design requirements as reflected in the Approved Detailed Engineering Design Plan for the asphalt overlay, which involves the provision of 0.28 meter thick reblocking of concrete pavement, Bituminous Concrete Surface Wearing Course, Hot-Laid; 50mm thick and Emulsified Asphalt, which accounts to **94.28%** of the total project cost, aggregate subbase course, and miscellaneous structures such as reflectorized thermoplastic pavement markings and internally illuminated (solar) pavement levelled marker/stud flush type-bi-directional, coupled with recent price escalation and hauling of construction materials at 107.00 km away from the project. Hence, the evaluated cost is considered reasonable as the Unit Costs of the items of work involved are within the range of the prevailing cost of the Department.

ALLAN S. BORROMEO, CESO III

Director, Bureau of Construction

CC: Undersecretary ADOR G. CANLAS, CESO IV, for Technical Services and Information Management Service (IMS)
Assistant Secretary REY PETER B. GILLE, D.M., For Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII
Regional Director KHADAFFY D. TANGGOL, DPWH-Cordillera Administrative Region

6.1.1. RIC|CBC|JTS|MIP 06202024\_with PID-Modification-CAR-LKDEO Ref. 6.1-143-7591/DoTs No.6.1.1-428-02



## Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS LOWER KALINGA DISTRICT ENGINEERING OFFICE

BAGONG PILIPINAS

Bulanao, Tabuk City, Kalinga, Cordillera Administrative Region

April 15, 2024

#### **MEMORANDUM**

**FOR** 

: KHADAFFY D. TANGGOL

Regional Director

**THRU** 

: ANGELITA B. MABITAZAN

Chief, Planning & Design Division

**SUBJECT** 

Modification CY 2024 GAA - Asset Preservation - Preventive

Maintenance - Tertiary Roads - Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105, under the FY 2024 General Appropriations

Act

May we submit for review and evaluation the Modification of the project stated below:

FROM	ТО
Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105	Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105
Physical Target: <b>21.768</b> Lane Kilometer Amount : ₱ 125,000,000.00	Physical Target: 6.93154 Lane Kilometer Amount: ₱ 125,000,000.00

Attached are all Supporting documents based on D.O No. 37, series of 2018 for your ready reference.

For your favorable consideration.

RUBY A. UYAM District Engineer

CĂR 15.1 MAE/ABN/EMJE



#### CHECKLIST PROJECT MODIFICATION

Imple	ementing Office	: Lower Kalinga DEO	
Proje	ct Name/Location	ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System-Asset Preservation Program-Preventive Maintenance - Tertiary Roads-Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105	
Proje Proje	ct ID ct Allocation	: P00804227LZ UACS Code : 310103101367000 : P125,000,000.00	
	b. Traffic V c. Bridge C d. Hydraul e. RSM For	railability of Funds	
$\overline{}$	5. BP 202	and was a same on accessor to same and an accessor	
	6. Geotagged Pho	ру	
	7. Certificate of N	Overlapping (Certified by DE, Construction and Maintenance Division Chiefs)	
	b. Tree Cu	ngineer	
N/	<del></del>	te (not within a Declared Heritage/Cultural Site-NCCA)	
/8		easonableness (for Projects with Changes in Unit Cost )	
	a. POW b. DUPA c. Plans d. Materia	. Coverpage . Summary of Quantities . Cross Section Showing Changes (if Applicable) s Source Map	

Checked by:

Engineer III
Chief, Planning Section



1. REGION

2. DEO

3. LEGISLATIVE DISTRICT KALINGA (LONE DISTRICT)

Cordillera Adminis	strative Region	Lower Kalinga Distr	rict Engineering Offic	e KALII	KALINGA (LONE DISTRICT)			
	B. ORIGINAL PROJECT		C. PROPOSED REVISED PROJECT					
<b>4. UACS</b> (Unified A 310103101367000	Account Code Structur	e as defined in GAA	<b>(</b> )					
5. Project Id P00804227LZ								
<b>6. Project Categor</b> OO1: Ensure Safe a	<b>y</b> and Reliable National I	Road System						
7. Sub-Program (P Asset Preservation	/A/P) - Preventive Mainten	ance - Tertiary Road	ds					
8. Operating Unit Central Office			18. Operating Unit Central Office	(Change subjec	ct to DBN	1 approval)		
9. Type of Work (E	Enter Details for all Co	emponents below)	19. Type of Work (	Enter Details fo	r all Com	ponents below)		
Component ID	Type of Work		Component ID	Type of W	Type of Work			
CW1	Preventive Main Asphalt Overlay	tenance of Road:	CW1	Preventive Asphalt Ov		nance of Road:		
	<b>CRIPTION</b> (as recorded Rd, K0508 + 645 - K05		20. PROJECT DESCR Bulanao-Paracelis R					
<b>11. ALLOTMENT (</b> 1 125,000	<b>P'000)</b> (as recorded in	21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment)  125,000  22. CAF (To be obtained from Financial Management office WYES			nancial			
12. PHYSICAL TAR below)	GET (Enter Details for	all Components	23. PHYSICAL TARG	GET (Enter Deta	ils for all	Components below)		
Component ID	Target	Target Unit	Component ID	Target		Target Unit		
CW1	21.768	Lane Km	CW1	6.93154		Lane Km		
13. UNIT COST (Er	nter Details for all Cor	24. UNIT COST (Enter Details for all Components below)						
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	omponent ID Component (P'000)		Target Unit Cost (P'000/Target Unit)		
CW1	120,625	5,541.391	CW1	120,617.7	1546	17,401.28679		
EAO	4,375		EAO	4,375				
			EXCESS	7.28454				

	*							
14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014)  Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105, Tabuk City, Kalinga				25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNI for National Road projects under OO-1)  Bulanao-Paracelis Rd, K0508 + 645 - K0513 + 1105, Tabuk (Kalinga				
								Start X 121.53510 End X 121.56338
<b>Start Y</b> 17.30	61980	End Y	17.35240060	Start Y	17.361980	End Y	17.326070	
<b>15. ROAD CLAS</b> Tertiary	SIFICATION	(if applicabl	e)	<b>26. ROAI</b> Tertiary	D CLASSIFICATION	(if applicable)	)	
16. IMPLEMEN Office of the or Lower Kalinga [	riginal proje	ect)	e Implementing	of the pr	EMENTING OFFIC oposed revised p alinga District Engi	roject)	Implementing O	
17. PROJECT IN	/IPLEMENTA	ATION PLAN (	(PIP)	28. PROJ	ECT IMPLEMENTA	ATION PLAN (P	IP)	
Planned Start I 25/02/2024	Date	Planned 19/12/2	End Date	<b>Planned</b> 06/05/20	Start Date	Planned E 28/02/202		
				29. OVE	RLAP?  □ YES	30. UNDEI	R WARRANTY?  □ YES	
			D. ATTACHME	NTS & ILIST	TIFICATIONS			
□ NO  32. TECHNICAL  Decrease in phy 6.93154 Lane K	■ YES      JUSTIFICAT      ysical target      ilometers de	□ N, FION (Explain t for CW1 - Pr ue to the follo	in detail in Bullet preventive Maintena	point forma	at; minimum of 2 l: Asphalt Overlay	from 27.768 Lo		
Decrease in phy 6.93154 Lane K 1. The corr 2. From the 3. The decreatures 4. The proper pavement 5. The utility work corroverlay.	✓ YES  JUSTIFICAT  ysical target fillometers defect physical e corrected prease in the fillometers of roads paraget is a 2 plant  and Markers fillometers fillome	□ N, FION (Explain It for CW1 - Pr ue to the follo It target for th physical targ physical targ physical y Itericularly Itericularly Itericularly of the prevailing of the variance	/A in detail in Bullet preventive Maintena powing:	nce of Road ts based on m. is modific unit cost is Street Light ay and also materials n in causing a	at; minimum of 2 d: Asphalt Overlay of GAA (K0508+645 ed to 6.93154 land brought about by t, Pavement Millin of includes Solar P	from 27.768 Lo i – K0513+1105 e km. the introduction ing and Pavement lavement Studs completion of all arget length of t	i) is 10.982 lane on/inclusion of ont Reblocking. and Thermople Il pertinent scope the proposed asp	
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	35. P	REPARED BY	
Name: Office:	ALFREDO B. NGAO-I Lower Kalinga District Engineering Office	Position:	Engineer II
36. REVIE	WED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE
Name: Position: Date:	EUGENE MICHAELA ESPITA  OIC-Ghief, Planning & Design Section	Name: Position: Date:	ANGELITA B. MABITAZAN  Chief, Planning and Design Division
37. RECOMN	MENDED BY DISTRICT OFFICE (If Required)		39. RECOMMENDED BY REGIONAL OFFICE
Name:	RUBY A. UYAM	Name:	KHADAFFYD, TANGGOL
Position:	District Engineer	Position:	Regional Director
Date:		Date:	

UACS (Unified Acco	ount Code Structure as de	fined in GAA)				
Project Id P00804227LZ						
	40. DPWH OFFI	CE OF THE UNDERSEC	RETARIES FOR OPERA	TIONS		
Primary Reason for	r Request (based on Categ	gory of Modification):	(choose one)			
Category A	Category B	Category C	Category D	Impact		
☐ Typographical error on Project Description	<ul><li>☐ Overlapping Sections</li><li>☐ Change in Station Limits</li><li>☐ Change in Physical Target</li></ul>	☐ No such  Barangay ☐ No such City or  Municipality	☐ Change in (IO), requiring a change in the (OU)	<ul> <li>□ No change or decrease in unit cost</li> <li>□ 20% or less increase in unit cost</li> <li>□ &gt; 20% increase in unit cost</li> </ul>		
\	Reviewed b	y Office of the Unders	ecretary for Operation	ons		
Name:	Engr. MANUEL L. SINGSO	N	Engr. ANTONIO	V. SOBREVIÑAS, JR.		
Signature				NAG		
Position:	Project Manager I		Project Manage	Project Manager III		
Date:	7/18/24	1/1/24				
		41. DPWH PLANNIN	G SERVICE			
Category of Modification (please check the a	ication appropriate)    Catego  Catego	ory A – Typographical E ory B – Change in Static ory C – Change in Locat ory D – Change in Opera cation does not compl	on Limits ion, due to non-existi ating Unit (requires D	BM approval)		
	J	Reviewed by Planni	ng Service			
Name:	ANNA ANDREA M. NOCH	IE Name:	PETER PAUL R.	CORTEZ		
Signature	Anden	Signatu	ire: fan	42		
Position:	Regional Coordinator	Positio	n: OIC - Chief of Pr	rogramming Division		
Date:	8/5/24	Date:				

### ANNEX A: Project Work Location Details for National Roads

Component ID	Section ID	Start Limit LRP + Disp	End Limit LRP + Disp	Start Chainage	End Chainage	Length (m)	Type of Work	Detail Scope of Work	Target Unit	Physical Target
P00804227LZ - CW1	S00578LZ	K0508 + 645	K0513 + 1105	9769 .	15211	5442	Preventive Maintenance of Road: Asphalt Overlay	Asphalt Overlay 50mm with Correction, Solar Studs, Pavement Markings	Lane Kilometer	6.93154