

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



June 03, 2024

MEMORANDUM

- TO : KHADAFFY D. TANGGOL Regional Director DPWH-Cordillera Administrative Region (CAR) Engineer's Hill, Baguio City
- ATTENTION : JANUARIO S. GARDE District Engineer Apayao 1st District Engineering Office Conner, Apayao

Transmitted herewith is the **APPROVED** request for the **modification** of hereunder stated project:

 OO1: Ensure Safe and Reliable National Road System - Network Development -Off-Carriageway Improvement - Secondary Roads - Abbut-Conner Rd - K0548 + 796 - K0549 + 140- - - - - - P8,662,000.00.

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.

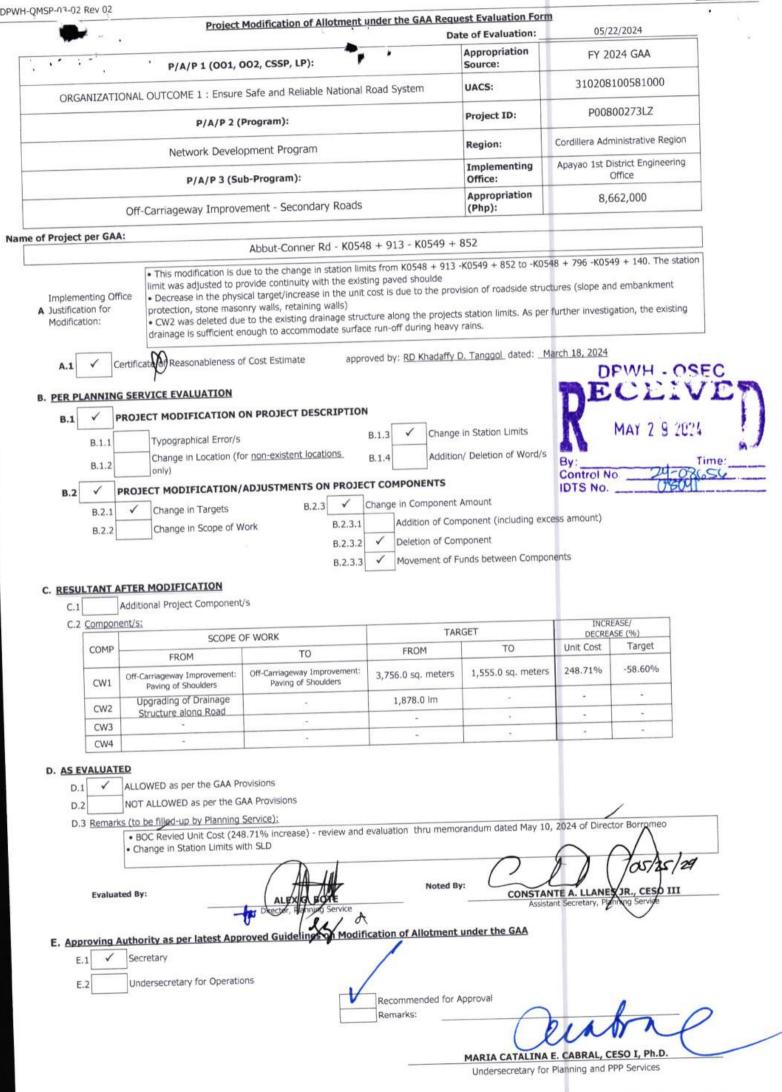
REY PETER B. GILLE. D.M. Assistant Secretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII

2.3 aap/AVS/RPBG/ERP

Website: https://www.dpwh.gov.ph 27 Tel. No(s).: 5304-3000 / (02) 165-02



Control No: CAR-069





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



May 14, 2024

MEMORANDUM

MANUEL M. BONOAN : FOR Secretary This Department

This refers to the memorandum dated April 03, 2024 of DPWH-Cordillera Administrative Region (CAR) Assistant Director EMMANUEL W. DIAZ by the authority of the Regional Director endorsing the request of District Engineer JANUARIO S. GARDE, Apayao 1st District Engineering Office, for the approval of Modification of the hereunder project covered by CY2024 General Appropriation Act (GAA), to wit;

4.0.00	er GAA/Original			As Modified	
As pe	GAA/Ongina	Project De	scription		
DO1: Ensure Safe and Network Development Secondary Roads.	Reliable Nationa t - Off-Carriagewa	al Road System - ay Improvement	OO1: Ensure Safe a Network Developme Secondary Roads Abbut-Conner Rd - H	nt - Oπ-Carriagewa	ly improvement
Type of Work/	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
Physical Target CW1 – Off-Carriageway Improvement: Paving of Shoulders 3,756.000 square meters	₽1,565.50/ square meters	₱5,880,000.00	CW1 – Off-Carriageway Improvement: Paving of Shoulders 1,555 square meters	P 5,459.01 / square meters	₽8,488,760.00
CW2 – Upgrading of Drainage Structure along Road 1,878.000	₽1,389.12/ square meters	₽2,608,760.00			2172 240 00
Lineal meters	-	₱173,240.00	EAO	-	₱173,240.00
EAO	Total	₽8,662,000.00		Total	P8,662,000.00

Justification:

This modification is due to the change in station limits from K0548 + 913 - K0549 + 852 to - K0548 + 796 - K0549 + 140. The station limit was adjusted to provide continuity with the existing paved shoulder. (see attached straight line diagram)

Decrease in the physical target/increase in the unit cost is due to the provision of roadside structures (slope and embankment protection, stone masonry walls, retaining walls)

The unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated May 10, 2024 from the Bureau of Construction.

CW2 was deleted due to the existing drainage structure along the projects station limits. As per further investigation, the existing drainage is sufficient enough to accommodate surface run-off during heavy rains.

AU-00-202405-01131

Page 2 of 2

Attached are the following documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, Road Condition, BP 202, Geotagged Photographs, Certificate of No Overlapping, ROW Clearances, Social Clearances, Environmental Clearances, Certificate of Reasonableness and Materials Source Map.

Based on our evaluation, the submitted request for project modification is in order, hence, it is respectfully recommended to the Secretary for his consideration and approval.

REY AFTER B. GILLE

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

RECOMMENDING APPROVAL

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

GENIO R. PIPO, Undersecretary for Regional Operations in CAR, Regions I, II, IX, X, XI, XII and XIII

APPROVED/

MANUEL M. BONOAN Secretary

2.3 aap/AVS/RPBG/ERP

Department of Public Works and Highways Office of the Secretary



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DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CENTRAL OFFICE Manila



May 10, 2024

MEMORANDUM

FOR : Undersecretary EUGENIO R. PIPO, JR For Regional Operations in CAR, Regions I, II, IX, X, XI, XII, and XIII

SUBJECT : Request for Approval of Modification of Project under FY 2024 GAA: OO 1: Ensure Safe and Reliable National Road System - Network Development Program - Off-Carriageway Improvement - Secondary Roads Abbut-Conner Rd. - K0548+796 - K0549+140

Forwarded herewith is the result of the evaluation for the above-mentioned request.

The requested amount of **P8,662,000.00** (inclusive of EAO) for the 1,555 square meters of Off-Carriageway Improvement: Paving of Shoulders for the above-stated subject project may be considered reasonable as evaluated subject to updating of cost/price prior to bidding based on the items of work involved and its corresponding quantities as reflected in the Approved Program of Works (POW) and Detailed Engineering Design Plan, duly approved by the District Engineer, Apayao First District Engineering Office.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
Part A	Facilities for the Engineers	213,519.29	2.52%
Part B	Other General Requirements	323,870.73	3.82%
Part C	Earthworks	566,541.54	6.67%
Part D	Subbase and Base Course	264,622.57	3.12%
Part E	Surface Courses	2,687,071.10	31.65%
Part F	Plain Reinforced Structures	2,532,444.54	29.83%
Part G	Drainage and Slope Protection Structures	1,046,242.69	12.33%
Part H	Miscellaneous Structures	854,447.54	10.07%
	GRAND TOTAL	P8,488,760.00	100.00%

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PCD 388

Request approval of Modification of Project under FY 2024 GAA Abbut-Conner Rd. – K0548+796 – K0549+140 Page 2 of 2

Construction of Off-Carriageway Improvement: Paving of Shoulders

= P 5,113.42/square meter

Cost per Square Meter = (Excluding Part A and B)

P7,951,369.98 1,555.00 square meters

The estimated cost of **P5,113.42** per square meter of structure is primarily attributed to the concreting of 1,555.00 square meters of 0.23-meter thick Unreinforced PCCP, construction of retaining wall which involves 12,569.15 kgs of reinforcing steel bar and 173.28 cubic meters of structural concrete (20.68 MPa, Class A, 28 days), and provision of 206.35 cubic meters of stone masonry. The aforementioned civil works account for 93.67% of the total project cost. Since these are the major items of work for the project, it is considered reasonable as the unit costs of the items involved are within the prevailing cost range of the Department.

ALLAN S. BORROMEO, CESO III

Director, Bureau of Construction

Undersecretary ADOR G. CANLAS, CESO IV, for Technical Services and Information Management Service

Regional Director KHADAFFY D. TANGGOL, CAR :C:

6.1.1 NNE|CBC|JTS 05.10.2024 Modification Apayao 1st Ref. No. BOC- 6.1-372-5589/6.1.1-270-02



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



MEMORANDUM

:

TO

ALLAN S. BORROMEO Director, Bureau of Construction This Department





Referred herewith for evaluation, comments, and/or recommendation is the Memorandum dated April 03, 2024 of DPWH-Cordillera Administrative Region (CAR) Assistant Director EMMANUEL W. DIAZ, by the authority of the Regional Director, endorsing the requests of District Engineer JANUARIO S. GARDE, Apayao 1st District Engineering Office for the project

A/Original				
		arintion		
	Project Des	scription		
able National f-Carriageway	y Improvement	Network Development	0548 + 796 - K054	49 + 140
	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
t Cost	Anocura	CW1 -		
,565.50/ Ire meters	₽5,880,000.00	Improvement: Paving of Shoulders 1.555	P 5,459.01 / square meters	₱8,488,760.00
1,389.12/ Jare meters	₱2,608,760.00			
			-	₱173.240.00
-	₱173.240.00	EAO	Tota	P8,662,000.0
Total		D		
	+ 913 - K054 it Cost ,565.50/ are meters 1,389.12/ uare meters	able National Road System - f-Carriageway Improvement + 913 - K0549 + 852 it Cost Allocation 565.50/ are meters ₱5,880,000.00 1,389.12/ Jare meters ₱2,608,760.00 - ₱173.240.00	able National Road System - if-Carriageway ImprovementOO1: Ensure Safe an Network Developmen Secondary Roads+ 913 - K0549 + 852Abbut-Conner Rd - Kit CostAllocationType of Work/ Physical Target,565.50/ are meters₱5,880,000.00CW1 - Off-Carriageway Improvement: Paving of Shoulders1,389.12/ Jare meters₱2,608,760.00L,555 square meters	able National Road System - OO1: Ensure Safe and Reliable National Network Development - Off-Carriageway Secondary Roads + 913 - K0549 + 852 Abbut-Conner Rd - K0548 + 796 - K054 it Cost Allocation Type of Work/ Physical Target Unit Cost 655.50/ are meters P5,880,000.00 Off-Carriageway Improvement: Paving of Shoulders P 5,459.01 / square meters 1,389.12/ Jare meters P2,608,760.00 EAO -

modification of the hereunder project covered by FY2024 Annual In on General Appropriation Act (GAA), to wit;

Attached for reference are the pertinent documents to support the request.

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

2.3 aap/AVS/RPBG/ERP

@Website: https://www.dpwh.gov.ph @ Tel. No(s).: 5304-3000 / (02) 165-02





Republic* the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS CORDILLERA ADMINISTRATIVE REGION Engineer's Hill, Baguio City



April 03, 2024

MEMORANDUM

FOR : MANUEL M. BONOAN

Secretary

- THRU : EUGENIO R. PIPO, JR. Undersecretary for Regional Operations in 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 -Network Development Program - Off-Carriageway Improvement -Secondary Roads - Abbut-Conner Rd - K0548 + 913 - K0549 + 852

We are respectfully forwarding the Memorandum dated March 18, 2024 from District Engineer Januario S. Garde, Apayao 1st District Engineering Office regarding the above subject amounting to **Eight Million Six Hundred Sixty Two Thousand Pesos (Php 8,662,000.00)**, as indicated below:

		FROM	то
Project ID		P00800273LZ	
Project Titl	le	ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Network Development Program - Off- Carriageway Improvement - Secondary Roads - Abbut-Conner Rd - K0548 + 913 - K0549 + 852	ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Network Development Program - Off- Carriageway Improvement - Secondary Roads - Abbut-Conner Rd - K0548 + 796 - K0549 + 140
Type of	CW1	Off-Carriageway Improvement: Paving of Shoulders	Off-Carriageway Improvement: Paving of Shoulders
Work	CW2	Upgrading of Drainage Structure	
Physical	CW1	3,756 Square meters	1,555 Square meters
Target	CW2	1,878 Lineal meters	
Allocation		Php 8,662,000.00	Php 8,662,000.00

The supporting documents based on D.O. #37, Series of 2018 are attached for your ready reference.

For the consideration of the Secretary.

By the authority of the Regional Director:

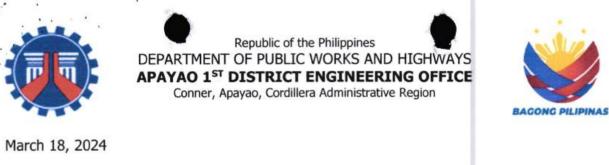
KHADAFFY D. TANGGOL Regional Director

CAR.1 CBT/EFD/JWC/ABM

EMMANUEL W. DIAZ, CESE Assistant Regional Director

Website: https://www.dpwh.gov.ph % Tel. Nos.: (074) 444-8838 / 444-6460





MEMORANDUM

FOR	: Regional Director KHADAFFY D. TANGGOL	
	Cordillera Administrative Region	

ATTENTION : PLANNING AND DESIGN DIVISION

SUBJECT : Request for Modification of Projects in the FY 2024 General Appropriation Act (GAA)

We are respectfully submitting our request for modification together with the supporting documents of the above project for the changes indicated below:

FROM	то
ORGANIZATIONAL OUTCOME 1: Ensure	ORGANIZATIONAL OUTCOME 1: Ensure
Safe and Reliable National Road System -	Safe and Reliable National Road System -
Network Development Program - Off-	Network Development Program - Off-
Carriageway Improvement - Abbut-Conner	Carriageway Improvement - Abbut-Conner
Rd - K0548 + 913 - K0549 + 852	Rd - K0548 + 796 - K0549 + 140

Please be informed that the modification of this project is due to the change in title, station limits and decreased of the physical target.

JANUARIO S. GARDE

District Engineer

CAR.10.1 SLB/CMS

Website: www.dpwh.gov.ph Email: dpwh.apayao1stdeo@gmail.com



Modification Request Form

		A. GEN	ERAL		
1. REGION		2. DEO Apayao 1st District En		3. LEGISLATIVI Apayao Lone	
Cordillera Administrat	and the second se		C. PROF	OSED REVISED PRO	DJECT
	RIGINAL PROJEC				
4. UACS (Unified Accou	int Code Structur	e as defined in GAA)			
310208100581000					
5. Project Id					
P00800273LZ					
6. Project Category	- u ti biskova	Road System			
001: Ensure Safe and		r Road System			
7. Sub-Program (P/A/	P)	ay Improvement - Seco	ndary Roads		
	JL - Oll-Calliagen			nange subject to DBN	(approval)
8. Operating Unit Apayao 1st District E	ngineering Office	1	Apayao 1st District E	ngineering Office	entropy (
9. Type of Work (Ent	as Details for all (Components below)	19. Type of Work (En	ter Details for all Con	ponents below)
	Type of Work		Component ID	Type of Work	Paving
Component ID		ay Improvement:	CW1	Off-Carriageway of Shoulders	Improvement: Paving
CW1	Paving of Sho	ulders		01 Siloulders	
CW2	Upgrading of along Road	Drainage Structure			(project)
10. PROJECT DESCR		led in GAA)	20. PROJECT DESCRI	PTION (of the revised (0548 + 796 - K0549 +	140
Abbut-Conner Rd -	K0548 + 913 - K05	549 + 852		750 COST 22.0	CAF (To be obtained
11. ALLOTMENT (P'	000) (as recorded	in GAA)	21. REVISED ESTIMA (P'000) (Equal to, or	lower than fron	n Financial Managemen
8,662.00			GAA allotment)	Onix	
			8,662.00	⊠YI	567255
	er (Enter Details	for all Components	23. PHYSICAL TARG	ET (Enter Details for	all Components below)
12. PHYSICAL TARG	CI (circer bertain		10	Target	Target Unit
Component ID	Target	Target Unit	Component ID	1555	Square Meters
CW1	3756	Square Meters (m2)	CW1	1222	(m2)
CW2	1878	Lineal Meters (Im)		iter Details for all Co	mponents below)
13 LINIT COST	nter Details for al	l Components below)		Component C	ost Target Unit Cos
Component ID	Component ((P'000)		t Component ID	(P'000)	(P'000/Target Unit)
		1.5655 /sq. m	CW1	8,488.760	5.459 /sq. m
CW1	5880.000	1.3891/lm			
CW2	2,608.760	1,3031/ 111	EAO	173.240	
EAO	173.240		· 安然/ 1474		

Modification Request Form

	ECT WORK LOCAT		defined in strict		ce with DO 65 Ser		efined in strict complete "ANNEX A"	
Abbut-	Conner Rd - K05	i48 + 913 - K	(0549 + 852		nal Road projects Conner Rd - K05		549 + 140	
Start X	121.313352	End X	121.298598	Start X	121.409167	End X	121.407222	
Start Y	17.860576	End Y	17.858156	Start Y	17.741389	End Y	17.739722	
15. ROAD Secondar	D CLASSIFICATION	(if applicable)	26. ROAD Secondar	CLASSIFICATION	(if appli c able)		
	EMENTING OFFICE the original project		Implementing		MENTING OFFICE		nplementing Office of	
Apayao	1st District Engine	ering Office		Apayao 1	lst District Engine	ering Office		
17. PROJ	ECT IMPLEMENTA	TION PLAN (P	'IP)	28. PROJE	CT IMPLEMENTA	FION PLAN (PIP)	
			End Date 2024				anned End Date 0/08/2024	
				29. OVER	LAP?	30. UNDER	WARRANTY?	

31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects)

C MEE	NO ALZA
□ YES	🖾 N/A

32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points)

- This modification is due to the change in station limits from K0548 + 913 K0549 + 852 to K0548 + 796 K0549 + 140. The station limit was adjusted to provide continuity with the existing paved shoulder. (see attached straight line diagram)
- Decrease in the physical target/increase in the unit cost is due to the provision of roadside structures (slope and embankment protection, stone masonry walls, retaining walls)
- The unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated May 10, 2024 from the Bureau of Construction.
- CW2 was deleted due to the existing drainage structure along the projects station limits. As per further
 investigation, the existing drainage is sufficient enough to accommodate surface run-off during heavy
 rains.
- Attached are the following documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, Road Condition, BP 202, Geotagged Photographs, Certificate of No Overlapping, ROW Clearances, Social Clearances, Environmental Clearances, Certificate of Reasonableness and Materials Source Map.

33. PHOTOS SUBMITTED

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

210

Modification Form Version 01-2023

Modification Request Form

35. PREPARED BY:

	J#16	lio. en:	
Name:	LYN-LYN A. PERALTA	Position:	Engineer II
Office:	Planning Unit, Apayao First District Eng'g. Office	Date:	3/18/2024
36. REVIE	EWED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE
Name:	CHESTER M. SOLGGADAN	Name:	ANGELITA B. MABITAZAN
Position:	Chief of Planning and Design Section	Position:	Chief of Planning and Design Division
Date:	3/18/2024	Date:	¥
37. RECOMM	VIENDED BY DISTRICT OFFICE (If Required)	e same	39. RECOMMENDED BY REGIONAL OFFICE
Name:	JANUARIOS. GARDE	Name:	KHADAFFY D. TANGGOL
Position:	District Engineer	Position:	Regional Director
Date:	3/18/2024	Date:	Click here to enter a date.

By the authority of the Regional Director:

EMMANUEL W. DIAZ, CESE Assistant Regional Director

UACS No. 310208100581000 Project ID : P00800273LZ

1		lodification Reque		
S (Unified Account Cod 08100581000	e Structure as defined in GAA			
ject Id				INS
800273LZ		FICE OF THE UNDERSECR	ETARIES FOR OPERATIO	
Constant of the	40. DPWH OFF	ory of Modification): (che	oose one)	
imary Reason for R	equest (based on Categ	ory of Modification): (cho	Category D	Impact
ategory A	Category B	Raranday	Change in (IO),	No change or decrease in unit cost
Typographical error on Project Description	 Overlapping Sections Change in Station Limits Change in Physical Target 	 No such Barangay No such City or Municipality 	requiring a change in the (OU)	COST □ 20% or less increase in unit cost □ > 20% increase in unit cost
			rsecretary for Operation	ns
		ed by Office of the Under	Engr. ANTONIO V. SC	ARDEVINAS IR.
Classifiero				
Signature Position: Date:	PROJECT MANAGER I	el	PROJECT MANAGER	J/14/24
Position:	5/14/2	41. DPWH PLAN	NNING SERVICE	
Position:	SILU 20 dification	Category A – Typographic Category B – Change in S Category C – Change in L Category D – Change in C Modification does not cor	NNING SERVICE cal Error station Limits ocation, due to non-exis Operating Unit (requires mply with DBM Categorie	J/14/24 sting location DBM approval)
Position: Date:	SILU 20 dification	Category A – Typographic Category B – Change in S Category C – Change in L Category D – Change in C Modification does not cor Reviewed by	INING SERVICE cal Error station Limits cocation, due to non-exis Operating Unit (requires mply with DBM Categorie Planning Service	J/14/22 sting location DBM approval) es
Position: Date: Category of Mo (please check the s	SILU 20 dification	Category A – Typographic Category B – Change in S Category C – Change in L Category D – Change in C Modification does not con Reviewed by . NOCHE	NING SERVICE Tal Error Station Limits Socation, due to non-exist Operating Unit (requires mply with DBM Categorie Planning Service Name: PETER PAU Signature:	J/14/24 sting location DBM approval) es UL R. CORTEZ
Position: Date: Category of Mc (please check the s	odification	Category A – Typographic Category B – Change in S Category C – Change in L Category D – Change in C Modification does not con Reviewed by . NOCHE	NING SERVICE Tal Error Station Limits Socation, due to non-exist Operating Unit (requires mply with DBM Categorie Planning Service Name: PETER PAU Signature:	J/14/22 sting location DBM approval) es DL R. CORTEZ

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
CW1	S00614LZ	K0548+796	K0549+140	9,073	9,417	344	Off-Carriageway Improvement: Paving of Shoulders	Paving of Shoulders	Square meter	1,555