



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



August 12, 2024

**MEMORANDUM**

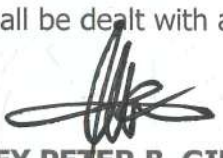
**TO :** **KHADAFFY D. TANGGOL**  
Regional Director  
DPWH-CAR  
Engineer's Hill, Baguio City

**ATTENTION :** **REX K. OYA-OY**  
OIC-District Engineer  
Benguet Second District Engineering Office  
Natubleng, Buguias, Benguet

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

1. Convergence and Special Support Program- Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239 Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - **K0347 + 000 - - - P125,000,000.00**

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



AK-CO-202408-03081



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



August 12, 2024

**MEMORANDUM**

**TO :** **KHADAFFY D. TANGGOL**  
Regional Director  
DPWH-CAR  
Engineer's Hill, Baguio City

**ATTENTION :** **REX K. OYA-OY**  
OIC-District Engineer  
Benguet Second District Engineering Office  
Natubleng, Buguias, Benguet

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

1. Convergence and Special Support Program- Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239 Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - **K0347 + 000** , - - - **₱125,000,000.00** .

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  


**Project Modification of Allotment under the GAA Request Evaluation Form**

Date of Evaluation: 07/12/2024

<b>P/A/P 1 (001, 002, CSSP, LP):</b>	<b>Appropriation Source:</b>	FY 2024 GAA
CONVERGENCE AND SPECIAL SUPPORT PROGRAM	<b>UACS:</b>	300214100650000
<b>P/A/P 2 (Program):</b>	<b>Project ID:</b>	P00841878LZ
Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239	<b>Region:</b>	Cordillera Administrative Region
<b>P/A/P 3 (Sub-Program):</b>	<b>Implementing Office:</b>	Benguet 2nd District Engineering Office
-	<b>Appropriation (Php):</b>	125,000,000

**Name of Project per GAA:**

Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - K0355 + 467

**A Justification for Modification:**

- The increase in the unit cost is attributed to the prevailing unit cost of solar street light which is adopted from the lowest price among three canvasses. Consequently, the physical target decreased.
- The change in the station limit is deemed necessary in order to concentrate on providing streetlights along the road section that are moderately populated. Furthermore, the allocation is not enough to provide streetlights from K0334+(-889) to K0355+467.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation from the Bureau of Construction dated June 19, 2024.

A.1 ☒ Certificate of Reasonableness of Cost Estimateapproved by: RD Khadaffy D. Tanggol dated: June 25, 2024**B. PER PLANNING SERVICE EVALUATION**B.1 ☒ **PROJECT MODIFICATION ON PROJECT DESCRIPTION**B.1.1 ☐ Typographical Error/sB.1.3 ☒ Change in Station LimitsB.1.2 ☐ Change in Location (for non-existent locations only)B.1.4 ☐ Addition/ Deletion of Word/sB.2 ☒ **PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS**B.2.1 ☒ Change in TargetsB.2.3 ☐ Change in Component AmountB.2.2 ☐ Change in Scope of WorkB.2.3.1 ☐ Addition of Component (including excess amount)B.2.3.2 ☐ Deletion of ComponentB.2.3.3 ☐ Movement of Funds between Components

**DPWH - OSEC**  
**RECEIVED**  
**AUG 05 2024**  
 By: 24-12923  
 Control No. 11985  
 IDTS No. 11985

**C. RESULTANT AFTER MODIFICATION**C.1 ☐ Additional Project Component/sC.2 Component/s:

COMP	SCOPE OF WORK		TARGET		INCREASE/ DECREASE (%)	
	FROM	TO	FROM	TO	Unit Cost	Target
CW1	Road Safety: Roadway Lighting	Road Safety: Roadway Lighting	894.0 No. of Units	539.0 No. of Units	65.86%	-39.71%
CW2	-	-	-	-	-	-
CW3	-	-	-	-	-	-
CW4	-	-	-	-	-	-

**D. AS EVALUATED**D.1 ☒ ALLOWED as per the GAA ProvisionsD.2 ☐ NOT ALLOWED as per the GAA ProvisionsD.3 Remarks (to be filled-up by Planning Service):

- Increase in Unit Cost - within the range of the prevailing cost of the Department per memorandum dated June 19, 2024, of Director Allan Borromeo, Bureau of Construction
- Change in Station Limits (with Straight-Line Diagram)

Evaluated By:



**ALEK G. BOTE**  
 Director, Planning Service

Noted By:



**CONSTANCE A. LLANES JR., CESO III**  
 Assistant Secretary, Planning Service and the Legislative Liaison Office

**E. Approving Authority as per latest Approved Guidelines on Modification of Allotment under the GAA**E.1 ☒ SecretaryE.2 ☐ Undersecretary for Operations
☒ Recommended for Approval  
 Remarks:

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





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



June 28, 2024

**MEMORANDUM**

**FOR : MANUEL M. BONOAN**  
Secretary  
This Department

This refers to the memorandum dated June 26, 2024 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of **OIC-District Engineer REX K. OYA-OY, Benguet Second District Engineering Office**, for the **modification** of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. : 300214100650000</b> <b>Project ID: P00841878LZ</b>  Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239  Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - K0355 + 467			 Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239  Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - <b>K0347 + 000</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Roadway Lighting / 894 number of units	₱ 134,927.29/ Number of units	₱ 120,625,000.00	CW1- Road Safety: Roadway Lighting / <b>539</b> number of units	<b>₱ 223,794.06/</b> Number of units	₱ 120,625,000.00
EAO	—	₱ 4,375,000.00	EAO	—	₱ 4,375,000.00
<b>Total:</b>		<b>₱ 125,000,000.00</b>	<b>Total:</b>		<b>₱ 125,000,000.00</b>

**Justification:**

The decrease in the physical target of CW1 – Road Safety: Roadway Lighting from 894 number of units to 539 number of units and the change in station limits are due to the following:

- The increase in the unit cost is attributed to the prevailing unit cost of solar street light which is adopted from the lowest price among three canvasses. Consequently, the physical target decreased.
- The change in the station limit is deemed necessary in order to concentrate on providing streetlights along the road section that are moderately populated. Furthermore, the allocation is not enough to provide streetlights from K0334+(-889) to K0355+467.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation from the Bureau of Construction dated June 19, 2024.
- See attached Certificate of Reasonableness of Estimates approved by the Regional Director.

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Straight Line Diagram, Environmental Clearances, Source Map, Certificate of Reasonableness of Unit Cost, and Evaluation from the BOC.

46-CO-202407-02074

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:**

*subject to cost validation*  
*Cabral*

**MARIA CATALINA E. CABRAL, Ph.D., CESO I**

Undersecretary for Planning  
and Public-Private Partnership Services



**EUGENIO R. PIHO JR.**

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

**APPROVED / ~~DISAPPROVED~~:**



**MANUEL M. BONOAN**

Secretary

Department of Public Works and Highways  
Office of the Secretary



WIN4E03632



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



June 28, 2024

**MEMORANDUM**

**FOR : MANUEL M. BONOAN**  
Secretary  
This Department

This refers to the memorandum dated June 26, 2024 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of **OIC-District Engineer REX K. OYA-OY, Benguet Second District Engineering Office**, for the **modification** of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. : 300214100650000</b> <b>Project ID: P00841878LZ</b>  Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239  Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - K0355 + 467			 Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239  Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - <b>K0347 + 000</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Roadway Lighting / 894 number of units	₱ 134,927.29/ Number of units	₱ 120,625,000.00	CW1- Road Safety: Roadway Lighting / <b>539</b> number of units	<b>₱ 223,794.06/</b> Number of units	₱ 120,625,000.00
EAO	—	₱ 4,375,000.00	EAO	—	₱ 4,375,000.00
<b>Total:</b>		<b>₱ 125,000,000.00</b>	<b>Total:</b>		<b>₱ 125,000,000.00</b>

**Justification:**

The decrease in the physical target of CW1 – Road Safety: Roadway Lighting from 894 number of units to 539 number of units and the change in station limits are due to the following:

- The increase in the unit cost is attributed to the prevailing unit cost of solar street light which is adopted from the lowest price among three canvasses. Consequently, the physical target decreased.
- The change in the station limit is deemed necessary in order to concentrate on providing streetlights along the road section that are moderately populated. Furthermore, the allocation is not enough to provide streetlights from K0334+(-889) to K0355+467.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation from the Bureau of Construction dated June 19, 2024.
- See attached Certificate of Reasonableness of Estimates approved by the Regional Director.

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Straight Line Diagram, Environmental Clearances, Source Map, Certificate of Reasonableness of Unit Cost, and Evaluation from the BOC.




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

  
**EUGENIO R. PIPO, JR.**  
Undersecretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, and XIII

  
**APPROVED / ~~DISAPPROVED~~:**

  
**MANUEL W. BONOAN**  
Secretary

2.3 mksa/MLS/AVS/RPBG/ERP



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



June 26, 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 : Resubmission of Modification of Four (4) Projects under FY2024  
GAA: Convergence and Special Support Program – Special Road Fund  
– Motor Vehicle User's Charge (MVUC) as per R.A. 11239**

We are respectfully forwarding the Memorandum dated June 25, 2024 from District Engineer Rex K. Oya-oy, Benguet 2<sup>nd</sup> District Engineering Office, regarding the above subject reflecting the changes as per evaluation of the Bureau of Construction dated June 19, 2024, to wit:

	Original Submission	As Evaluated by BOC
Project ID	P00841877LZ	
Project Title	Installation of Roadway Road Safety Devices along Abatan-Mankayan-Cervantes Road K0351+000 – K0353+2495, Mankayan, Benguet	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>530</b> Number of Units	CW1 – <b>539</b> Number of Units
Allocation	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00

	Original Submission	As Evaluated by BOC
Project ID	P00841878LZ	
Project Title	Installation of Roadway Lighting Structures along Abatan-Mankayan-Cervantes Road K0334+(-889) – K0347+000	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>530</b> Number of Units	CW1 – <b>539</b> Number of Units
Allocation	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00



**Resubmission of Modification of Four (4) Projects under FY2024 GAA:  
Convergence and Special Support Program – Special Road Fund –  
Motor Vehicle User's Charge (MVUC) as per R.A. 11239**

Page 2 of 2

	<b>Original Submission</b>	<b>As Evaluated by BOC</b>
Project ID	P00841876LZ	
Project Title	Installation of Roadway Lighting Structures along Gov. Bado Dangwa (Palina-Poblacion Section) K0328+(-085) – K0338+731, Bakun, Benguet	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>527</b> Number of Units	CW1 – <b>536</b> Number of Units
Allocation	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00

	<b>Original Submission</b>	<b>As Evaluated by BOC</b>
Project ID	P00841871LZ	
Project Title	Installation of Road Safety Devices Structures along Abatan-Mankayan-Cervantes Road K0348+000 – K0351+000 (S00378LZ)	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – 387 Number of Units	CW1 – 387 Number of Units
Allocation	CW1 – Php 96,500,000.00 EAO – Php 3,500,000.00	CW1 – Php 96,500,000.00 EAO – Php 3,500,000.00

For the consideration of the Secretary.

**KHADAFFY D. TANGGOL**  
Regional Director

CAR.1 D/BC/JWC/AOD



June 25, 2024

## MEMORANDUM

**FOR : KHADAFFY D. TANGGOL**  
Regional Director  
DPWH - CAR

**THRU : ARNOLD O. DACWAG**  
OIC – Chief, Planning and Design Division

**SUBJECT : Resubmission of Modification of Four (4) Projects under FY2024  
GAA: Convergence and Special Support Program – Special Road  
Fund – Motor Vehicle User's Charge (MVUC) as per R.A. 11239**

We are respectfully submitting the pertinent documents of the following projects subject for modification reflecting the changes as per evaluation of the Bureau of Construction dated June 19, 2024, to wit:

	Original Submission	As Evaluated by BOC
Project ID	P00841877LZ	
Project Title	Installation of Roadway Road Safety Devices along Abatan-Mankayan-Cervantes Road K0351+000 – K0353+2495, Mankayan, Benguet	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>530</b> Number of Units	CW1 – <b>539</b> Number of Units
Allocation	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00

	Original Submission	As Evaluated by BOC
Project ID	P00841878LZ	
Project Title	Installation of Roadway Lighting Structures along Abatan-Mankayan-Cervantes Road K0334+(-889) – K0347+000	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>530</b> Number of Units	CW1 – <b>539</b> Number of Units
Allocation	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00

	Original Submission	As Evaluated by BOC
Project ID	P00841876LZ	
Project Title	Installation of Roadway Lighting Structures along Gov. Bado Dangwa (Palina-Poblacion Section) K0328+(-085) – K0338+731, Bakun, Benguet	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>527</b> Number of Units	CW1 – <b>536</b> Number of Units
Allocation	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00	CW1 – Php 120,625,000.00 EAO – Php 4,375,000.00

	Original Submission	As Evaluated by BOC
Project ID	P00841871LZ	
Project Title	Installation of Road Safety Devices Structures along Abatan-Mankayan-Cervantes Road K0348+000 – K0351+000 (S00378LZ)	
Type of Work	CW1 – Road Safety: Roadway Lighting	
Physical Target	CW1 – <b>387</b> Number of Units	CW1 – <b>387</b> Number of Units
Allocation	CW1 – Php 96,500,000.00 EAO – Php 3,500,000.00	CW1 – Php 96,500,000.00 EAO – Php 3,500,000.00

For your consideration.

**REX K. OYA-OY**  
District Engineer

CAR.17.1/VBC/LDR/EPM





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



June 19, 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 Four (4) Projects under FY 2024 GAA: Convergence and Special Support Program – Special Road Fund – Motor Vehicle User’s Charge (MVUC) as per R.A. 11239**
- 1.) P00841871LZ: Installation of Road Safety Devices along Abatan – Mankayan – Cervantes Road, K0348+000 – K0351+000 (S00378LZ)
  - 2.) P00841876LZ: Installation of Road Safety Devices along Gov. Bado Dangwa (Palina-Poblacion Section) K0328+(-085) – K0338+731, Bakun, Benguet
  - 3.) P00841877LZ: Installation of Road Safety Devices along Abatan – Mankayan – Cervantes Road, K0351+000 – K0353+2495, Mankayan, Benguet
  - 4.) **P00841878LZ:** Installation of Roadway Lighting Structures along Abatan – Mankayan – Cervantes Road K0334+(-889) – K0347+000

Forwarded herewith are the results of the evaluation for the above-mentioned request which were resubmitted to this Office per memorandum dated June 11, 2024 (**Annex "A"**) from DPWH-Benguet 2<sup>nd</sup> District Engineering Office.

**PROJECT NO. 1:**

The total amount of **P 100,000,000.00** (inclusive of EAO) for the **387 units** of Installation of Road Safety Devices along Abatan – Mankayan – Cervantes Road, K0348+000 – K0351+000 (S00378LZ), 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 Work (POW) and Detailed Engineering Design Plan, duly approved by the OIC–District Engineer, DPWH–Benguet 2nd District Engineering Office.

**SCOPE OF WORK**

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	P 542,290.25	0.562%
Part C	Earthworks	P 728,630.79	0.755%
Part F	Plain Reinforced Structures	P 7,100,940.22	7.358%
Part H	Miscellaneous Structures	P 88,128,146.35	91.325%
	<b>GRAND TOTAL</b>	P <b>96,500,007.61</b>	<b>100.00%</b>

Cost per unit of Roadway =  $\frac{P\ 95,957,717.36}{387\ \text{units}}$  = **P 247,952.76 / unit**  
Lighting Structure  
(Excluding Part B)

The estimated cost of **P 247,952.76 / unit** is attributed to the design requirements outlined in the approved plans, encompassing items of work from Parts C, F, and H. This cost per unit primarily includes the installation of 100W integrated solar LED streetlight mounted on an 8-meter high tapered pole with concrete pedestal and concrete barrier structure. These units are placed on various accident-prone sections due to steep roads and zigzag alignments, which accounts to **99.438%** of the total construction 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.

#### PROJECT NO. 2:

The total amount of **P 125,000,000.00** (inclusive of EAO) for the **536 units** of Installation of Road Safety Devices along Gov. Bado Dangwa (Palina-Poblacion Section) K0328+(-085) – K0338+731, Bakun, Benguet, 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 Work (POW) and Detailed Engineering Design Plan, duly approved by the OIC-District Engineer, DPWH-Benguet 2nd District Engineering Office.

#### SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	P 475,050.10	0.394%
Part C	Earthworks	P 783,166.04	0.649%
Part F	Plain Reinforced Structures	P 6,478,634.25	5.371%
Part H	Miscellaneous Structures	P 112,888,150.11	93.586%
	<b>GRAND TOTAL</b>	P <b>120,625,000.50</b>	<b>100.00%</b>

Cost per unit of Roadway =  $\frac{P\ 120,149,950.40}{536\ \text{units}}$  = **P 224,160.36 / unit**  
Lighting Structure  
(Excluding Part B)

The estimated cost of **P 224,160.36 / unit** is attributed to the design requirements outlined in the approved plans, encompassing items of work from Parts C, F, and H. This cost per unit primarily includes the installation of 100W integrated solar LED streetlight mounted on an 8-meter high tapered pole with concrete pedestal. These units are placed on various accident-prone sections due to steep roads and zigzag alignments, which accounts to **99.606%** of the total construction 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.

### PROJECT NO. 3:

The total amount of **P 125,000,000.00** (inclusive of EAO) for the **539 units** of Installation of Road Safety Devices along Abatan – Mankayan – Cervantes Road, K0351+000 – K0353+2495, Mankayan, Benguet, 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 Work (POW) and Detailed Engineering Design Plan, duly approved by the OIC–District Engineer, DPWH–Benguet 2nd District Engineering Office.

#### SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	P 546,333.75	0.453%
Part C	Earthworks	P 641,653.08	0.532%
Part F	Plain Reinforced Structures	P 5,917,026.74	4.905%
Part H	Miscellaneous Structures	P 113,519,986.77	94.110%
	<b>GRAND TOTAL</b>	<b>P 120,625,000.34</b>	<b>100.00%</b>

Cost per unit of Roadway Lighting Structure (Excluding Part B) =  $\frac{P\ 120,078,666.60}{539\ \text{units}} = P\ 222,780.46 / \text{unit}$

The estimated cost of **P 222,780.46 / unit** is attributed to the design requirements outlined in the approved plans, encompassing items of work from Parts C, F, and H. This cost per unit primarily includes the installation of 100W integrated solar LED streetlight mounted on an 8-meter high tapered pole with concrete pedestal. These units are placed on various accident-prone sections due to steep roads and zigzag alignments, which accounts to **99.547%** of the total construction 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.

### PROJECT NO. 4:

The total amount of **P 125,000,000.00** (inclusive of EAO) for the **539 units** of Installation of Roadway Lighting Structures along Abatan – Mankayan – Cervantes Road K0334+(-889) – K0347+000, 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 Work (POW) and Detailed Engineering Design Plan, duly approved by the OIC–District Engineer, DPWH–Benguet 2nd District Engineering Office.



### SCOPE OF WORK

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT WEIGHT (%)
Part B	Other General Requirements	P 426,138.66	0.353%
Part C	Earthworks	P 664,095.59	0.551%
Part F	Plain Reinforced Structures	P 6,014,779.35	4.986%
Part H	Miscellaneous Structures	P 113,519,986.77	94.110%
	<b>GRAND TOTAL</b>	<b>P 120,625,000.37</b>	<b>100.00%</b>

Cost per unit of Roadway =  $\frac{P\ 120,198,861.71}{539\ \text{units}}$  = **P 223,003.45 / unit**  
Lighting Structure  
(Excluding Part B)

The estimated cost of **P 223,003.45 / unit** is attributed to the design requirements outlined in the approved plans, encompassing items of work from Parts C, F, and H. This cost per unit primarily includes the installation of 100W integrated solar LED streetlight mounted on an 8-meter high tapered pole with concrete pedestal. These units are placed on various accident-prone sections due to steep roads and zigzag alignments, which accounts to **99.65%** of the total construction cost. Since these are the major items of work for the installation of roadway lighting project, it is considered **reasonable as the unit costs** of the items involved are within the prevailing cost range of the Department.

Further, please be informed that the resulting cost of the aforementioned projects were based on canvassed prices for Integrated Solar LED Streetlight with 8-m galvanized pole as provided by the Implementing Office (**Annex "B"**).

  
**ALLAN S. BORROMEIO, CESO III**  
Director, Bureau of Construction

CC: Undersecretary ADOR G. CANLAS, for Technical Services and Information Management Service  
Regional Director KHADAFY D. TANGGOL, DPWH-CAR

6.1.1. PPL[LGE|CBC|JTS|MIP  
06142024\_Modification of Benguet 2nd  
Ref. 6.1-144-7596/6.1.1-430-01



**BUREAU OF CONSTRUCTION**  
4th Floor, Bonifacio Drive, Port Area, Manila

**REFERRAL / ACTION SLIP**

FOR/TO: **PCD**

SOURCE: Office of Usec. Eugenio R. Pipo, Jr.  
[Memo 5/29/2024]

SUBJECT: Referred is the Request of OIC-District Engineer Rex K. Oya-Oy, Benguet 2nd District Engineering Office as endorsed by Regional Director Khadaffy D. Tanggol, DPWH-CAR for project modification covered under FY 2024 GAA: PID No. P00841878LZ - Installation of Roadway Lighting Structures along Abatan-Mankayan-Cervantes Road K0334+(-889)-K0355+467 & 2 others. (P00837863LZ & P00821128LZ)

Reference No.: 6.1 \ **67-7116**

DoTS # 6-1-1-386-02

DATE: 05/30/2024 TIME 2:40:00

- ☐ URGENT, PLEASE RUSH! *JTS 8*
- ☐ See me / Let's discuss *05-31-2024*
- ☐ Draft reply
- ☐ For review / Initial *3 projects*
- ☐ For compliance
- ☐ For comment / recommendation
- ☒ For review / evaluation
- ☐ For appropriate action
- ☐ For information / reference
- ☐ For dissemination
- ☐ For File
- ☐ Return document/s to me

**REMARKS:**

*dem 5/31/24 8:12*

*For review/evaluation*

*05-31-2024*

**ALLAN S. BORROMEO, CESO III**  
Director, Bureau of Construction

**DEADLINE:** \_\_\_\_\_

11259			11259		
Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - K0355 + 467			Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - <b>K0347 + 000</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Roadway Lighting / 894 number of units	₱ 134,927.29/ Number of units	₱ 120,625,000.00	CW1- Road Safety: Roadway Lighting / <b>530</b> number of units	₱ <b>227,594.34/</b> Number of units	₱ 120,625,000.00
EAO	-	₱ 4,375,000.00	EAO	-	₱ 4,375,000.00
<b>Total:</b>		<b>₱ 125,000,000.00</b>	<b>Total:</b>		<b>₱ 125,000,000.00</b>

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. : 300215103553000</b> <b>Project ID: P00837863LZ</b>					
Convergence and Special Support Program - Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities			Convergence and Special Support Program - Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities		
Construction of Conacon - Deckan - Payeo Road, Barangay Bedbed, Mankayan, Benguet			Construction of Conacon - Deckan - Payeo Road, <b>Barangay Balili</b> and Barangay Bedbed, Mankayan, Benguet		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Gravel Road / 16. 938 lane	₱ 8,716,790.65 / lane km.	₱ 147,645,000	CW1- Construction of Gravel Road / <b>8.154</b> lane	<b>₱ 18,107,064.02</b> / lane km	₱ 147,645,000





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



BAGONG PILIPINAS

May 29, 2024

**MEMORANDUM**

**TO :** **ALLAN S. BORROMEO**  
Director, Bureau of Construction  
This Department



Referred herewith for evaluation, comments, and/or recommendation are the Memoranda all dated May 20, 2024 of **DPWH-Cordillera Administrative Region (CAR) Director KHADAFFY D. TANGGOL** endorsing the requests of **OIC-District Engineer REX K. OYA-OY**, Benguet 2<sup>nd</sup> District Engineering Office for the project modification of the hereunder projects covered by FY2024 Annual Infrastructure Program, Based on General Appropriation Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. : 300214100650000</b> <b>Project ID: P00841878LZ</b>					
Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239			Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239		
Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - K0355 + 467			Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - <b>K0347 + 000</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Roadway Lighting / 894 number of units	₱ 134,927.29/ Number of units	₱ 120,625,000.00	CW1- Road Safety: Roadway Lighting / <b>530</b> number of units	<b>₱ 227,594.34/</b> Number of units	₱ 120,625,000.00
EAO	-	₱ 4,375,000.00	EAO	-	₱ 4,375,000.00
<b>Total:</b>		<b>₱ 125,000,000.00</b>	<b>Total:</b>		<b>₱ 125,000,000.00</b>

As per GAA/Original			As Modified		
Project Description			Project Description		
<b>UACS No. : 300215103553000</b> <b>Project ID: P00837863LZ</b>  Convergence and Special Support Program - Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities  Construction of Conacon - Deckan - Payeo Road, Barangay Bedbed, Mankayan, Benguet			Convergence and Special Support Program - Sustainable Infrastructure Projects Alleviating Gaps (SIPAG) - Access Roads and/or Bridges from the National Road/s leading to Major/ Strategic Public Buildings/ Facilities  Construction of Conacon - Deckan - Payeo Road, <b>Barangay Balili</b> and Barangay Bedbed, Mankayan, Benguet		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Gravel Road / 16.938 lane	₱ 8,716,790.65 / lane km	₱ 147,645,000	CW1- Construction of Gravel Road / 16.154 lane	<b>₱ 18,107,064.02</b> / lane km	₱ 147,645,000



As per GAA/Original			As Modified		
Project Description					
<b>UACS No. : 320102106113000</b> <b>Project ID: P00821128LZ</b>  OO2: Protect Lives and Properties Against Major Floods - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers  Construction of Flood Mitigation Structure along Agno River, Loo Section, <b>Sta. 0+432 - Sta. 1+836 (R.S)</b> , Buguias, Benguet			OO2: Protect Lives and Properties Against Major Floods - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers  Construction of Flood Mitigation Structure along Agno River, Loo Section, <b>Sta. 0+432 - Sta. 1+043 (LS), Sta. 0+767 - Sta. 1+021 (RS)</b> , Buguias, Benguet		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure / 1,404 lineal meters	₱ 44,675.93/ Lineal meter	₱ 62,725,000.00	CW1- Construction of Flood Mitigation Structure / 865 lineal meters	₱ 72,514.45/ Lineal meter	₱ 62,725,000.00
EAO	–	₱ 2,275,000.00	EAO	–	₱ 2,275,000.00
<b>Total:</b>		<b>₱ 65,000,000.00</b>	<b>Total:</b>		<b>₱ 18,770,000.00</b>

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

  
**EUGENIO R. RIPO, JR.**

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

2.3 aap/AVS/RPBG/ERP

**CHECKLIST**  
**PROJECT MODIFICATION**

Implementing Office : Benguet Second District Engineering Office  
Project Name/Location : Special Road Fund - Motor Vehicle User's Charge (MVUC) as per R.A. 11239: -  
Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road  
K0334 + (-889) - K0355 + 467  
Project ID : P00841878LZ UACS Code : 300214100650000  
Project Allocation : PhP 125,000,000

☒ 1. Modification Request Form

☒ 2. AIP

☒ 3. Certificate of Availability of Funds

**4. Supporting Data & Analysis**

- ☐ a. Road Condition (RBIA Latest Official Database)
- ☐ b. Traffic Volume Capacity Ratio (for Widening Projects)
- ☐ c. Bridge Condition (BMS Latest Official Database)
- ☐ d. Hydraulic & Hydrologic Analysis (for New/Replacement Bridges)
- ☐ e. RSM Forms (for Road Slips)
- ☐ f. Project Impact Analysis (for Flood Control Projects)
- ☐ g. Master Plan (for Flood Control Projects)
- ☒ h. Straight Line Diagram (For National Road Projects)

☒ 5. BP 202

**6. Geotagged Photos**

- ☒ a. Hard Copy
- ☒ b. Electronic Copy
- ☒ c. Plotted in the GIS Map

**7. Certificate of No Overlapping**

- ☒ a. District Engineer
- ☐ b. Construction and Maintenance Division Chiefs

**8. ROW Clearance**

- ☒ a. District Engineer
- ☐ b. LGU

**9. Environmental Clearances**

- ☒ a. Not Within a "No Build Zone" (MGB)
- ☐ b. Tree Cutting Permit (If Applicable-EMB)
- ☒ c. CNC/ECC/EIA (EMB)

☐ 10. Social Clearance (not within a Declared Heritage/Cultural Site-NCCA)

☒ 11. Certificate of Reasonableness (for Projects with Changes in Unit Cost)

**12. Project Details**

- ☒ a. POW
- ☒ b. DUPA
- c. Plans
  - ☒ 1. Coverpage
  - ☒ 2. Summary of Quantities
  - ☐ 3. Cross Section Showing Changes (if Applicable)
- ☒ d. Materials Source Map

☐ 13. Certification of Local Government Unit

Checked by:

  
**ERLINDA F. DOLIENTE**  
Engineer III  
Chief, Planning Section





# Modification Request Form

DPWH-QMSP-03-01 Rev 01

## A. GENERAL

### 1. REGION

Cordillera Administrative Region

### 2. DEO

Benguet Second District Engineering Office

### 3. LEGISLATIVE DISTRICT

BENGUET (LONE DISTRICT)

## B. ORIGINAL PROJECT

### 4. UACS (Unified Account Code Structure as defined in GAA)

300214100650000

### 5. Project Id

P00841878LZ

### 6. Project Category

Convergence and Special Support Program

### 7. Sub-Program (P/A/P)

Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239

### 8. Operating Unit

Central Office

### 9. Type of Work (Enter Details for all Components below)

Component ID	Type of Work
CW1	Road Safety: Roadway Lighting

### 10. PROJECT DESCRIPTION (as recorded in GAA)

Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - **K0355 + 467**

### 11. ALLOTMENT (P'000) (as recorded in GAA)

125,000

### 12. PHYSICAL TARGET (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	894	Number of Units

### 13. UNIT COST (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	120,625	134.92729
EO	4,375	

### 14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014)

Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - **K0355 + 467** (S00378LZ)

Start X End X

Start Y End Y

### 15. ROAD CLASSIFICATION (if applicable)

Tertiary Road

### 16. IMPLEMENTING OFFICE (Record the Implementing Office of the original project)

## C. PROPOSED REVISED PROJECT

### 18. Operating Unit (Change subject to DBM approval)

Central Office

### 19. Type of Work (Enter Details for all Components below)

Component ID	Type of Work
CW1	Road Safety: Roadway Lighting

### 20. PROJECT DESCRIPTION (of the revised project)

Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - **K0347+000**

### 21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment)

125,000

### 22. CAF (To be obtained from Financial Management office)

☒ YES

### 23. PHYSICAL TARGET (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	539	Number of Units

### 24. UNIT COST (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	120,625	223.79406
EO	4,375	

### 25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A" for National Road projects under OO-1 and MVUC)

Installation of Roadway Lighting Structures along Abatan - Mankayan - Cervantes Road K0334 + (-889) - **K0347+000** (S00378LZ)

Start X End X

Start Y End Y

### 26. ROAD CLASSIFICATION (if applicable)

Tertiary Road

### 27. IMPLEMENTING OFFICE (Record the Implementing Office of the proposed revised project)






## Modification Request Form

DPWH-QMSP-03-01 Rev 01

Benguet Second District Engineering Office		Benguet Second District Engineering Office	
<b>17. PROJECT IMPLEMENTATION PLAN (PIP)</b>		<b>28. PROJECT IMPLEMENTATION PLAN (PIP)</b>	
<b>Planned Start Date</b>	<b>Planned End Date</b>	<b>Planned Start Date</b>	<b>Planned End Date</b>
06/10/2024	12/11/2024	06/10/2024	12/11/2024
		<b>29. OVERLAP?</b>	<b>30. UNDER WARRANTY?</b>
		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
<b>D. ATTACHMENTS &amp; JUSTIFICATIONS</b>			
<b>31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects)</b>			
<input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A			
<b>32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points)</b>			
<p><i>The decrease in the physical target of CW1 – Road Safety: Roadway Lighting from 894 number of units to 539 number of units and the change in station limits are due to the following:</i></p> <ul style="list-style-type: none"> <li><i>The increase in the unit cost is attributed to the prevailing unit cost of solar street light which is adopted from the lowest price among three canvasses. Consequently, the physical target decreased.</i></li> <li><i>The change in the station limit is deemed necessary in order to concentrate on providing streetlights along the road section that are moderately populated. Furthermore, the allocation is not enough to provide streetlights from K0334+(-889) to K0355+467.</i></li> <li><i>The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation from the Bureau of Construction dated June 19, 2024.</i></li> <li><i>See attached Certificate of Reasonableness of Estimates approved by the Regional Director.</i></li> </ul> <p><i>Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Straight Line Diagram, Environmental Clearances, Source Map, Certificate of Reasonableness of Unit Cost, and Evaluation from the BOC.</i></p>			
<b>33. PHOTOS SUBMITTED</b>			
<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			
<b>34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED</b>			
<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			

# Modification Request Form

DPWH-QMSP-03-01 Rev 01

35. PREPARED BY:			
Name:	 VANESSA B. CHAN	Position:	Engineer II
Office:	Benguet 2nd District Engineering Office	Date:	
36. REVIEWED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE	
Name:	 LAWRENCE D. ROMERO	Name:	 ARNOLD C. PACWAG
Position:	OIC - Chief, Planning and Design Section	Position:	OIC - Chief, Planning and Design Division
Date:		Date:	
37. RECOMMENDED BY DISTRICT OFFICE (If Required)		39. RECOMMENDED BY REGIONAL OFFICE	
Name:	 REX A. OYA-OY	Name:	 KHADAFFY D. TANGGOL
Position:	OIC - District Engineer	Position:	Regional Director
Date:		Date:	



# Modification Request Form

DPWH-QMSP-03-01 Rev 01

**UACS** (Unified Account Code Structure as defined in GAA)

300214100650000

**Project Id**

P00841878LZ

## 40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS

**Primary Reason for Request (based on Category of Modification): (choose one)**

Category A	Category B	Category C	Category D	Impact
<input type="checkbox"/> Typographical error on Project Description	<input type="checkbox"/> Overlapping Sections <input type="checkbox"/> Change in Station Limits <input type="checkbox"/> Change in Physical Target	<input type="checkbox"/> No such Barangay <input type="checkbox"/> No such City or Municipality	<input type="checkbox"/> Change in (IO), requiring a change in the (OU)	<input type="checkbox"/> No change or decrease in unit cost <input type="checkbox"/> 20% or less increase in unit cost <input type="checkbox"/> > 20% increase in unit cost

Reviewed by Office of the Undersecretary for Operations

<b>Name:</b>	Engr. MANUEL L. SINGSON	Engr. ANTONIO V. SOBREVINAS, JR.
<b>Signature</b>		
<b>Position:</b>	Project Manager I	Project Manager III
<b>Date:</b>	7/4/24	6/28/24

## 41. DPWH PLANNING SERVICE

**Category of Modification**  
(please check the appropriate)

- ☐ Category A – Typographical Error
- ☐ Category B – Change in Station Limits
- ☐ Category C – Change in Location, due to non-existing location
- ☐ Category D – Change in Operating Unit (requires DBM approval)
- ☐ Modification does not comply with DBM Categories

Reviewed by Planning Service

<b>Name:</b>	ANNA ANDREA M. NOCHE	<b>Name:</b>	PETER PAUL R. CORTEZ
<b>Signature</b>		<b>Signature:</b>	
<b>Position:</b>	Regional Coordinator	<b>Position:</b>	OIC – Chief of Programming Division
<b>Date:</b>	7/12/24	<b>Date:</b>	

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

Component ID	Section ID	Start Limit	End Limit	Start	End	Length	Type of Work	Detail Scope of Work	Target Unit	Physical Target
		LRP + Disp	LRP + Disp	Chainage	Chainage	(m)				
CW1	S00378LZ	K0334+(-889)	K0347+000	0	13866	13866	Road Safety: Roadway Lighting	Installation of Roadway Lighting (Integrated Solar LED Streetlight, Tapered, 8m Pole, 60W – 100W)	Number of Units	539