



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**CENTRAL OFFICE**  
Bonifacio Drive, Port Area Manila

Reference Number: **XI-073**  
Project ID: **P00834653MN**

June 19, 2024

**MEMORANDUM**

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

This refers to the memorandum dated 02 May 2024 of **DPWH Region XI Assistant Director JOSELITO B. CABALLERO**, requesting for the **modification** of the project under FY 2024 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. 300214100823000</b> <b>Project ID: P00834653MN</b>  Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239  Installation of Road Safety: Davao-Cotabato Rd (Davao City-Jct Digos Sect) – K1534 + (-983) - K1561 + 288			Convergence and Special Support Program - Special Road Fund - Motor Vehicle Users Charge (MVUC) as per R.A. 11239  Installation of Road Safety: Davao-Cotabato Rd (Davao City-Jct Digos Sect) - K1538 + 280 - K1538 + 507, K1538 + 527 - K1538 + 675, K1538 + 983 - K1539 + 078, K1539 + 094 - K1539 + 714, K1539 + 734 - K1539 + 973, K1540 + 427 - K1540 + 594, K1540 + 619 - K1540 + 815, K1540 + 834 - K1540 + 882, K1541 + 741 - K1541 + 812, K1541 + 822 - K1542 + 236, K1542 + 259 - K1542 + 310, K1543 + 388 - K1543 + 435, K1543 + 443 - K1543 + 656, K1543 + 701 - K1543 + 792,		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Road Safety: Pavement Markings/ 28,541.000 ln.m.	P 1,690.55 / Ln.m.	P 48,250,000.00	CW1- Road Safety: Pavement Markings/ 2,494.006 ln.m.	<del>P 2,028.82 / Ln.m.</del>	P 5,052,401.00
			CW2- Road Safety: Roadway Lighting/ 275 Number of Units	P 93,113.93 / Number of Units	<del>P 25,606,330.00</del>
			CW3- Off-Carriageway Improvement: Construction of Traffic Island/ 2,992.807 sq.m.	<del>P 5,877.85 / Sq.m.</del>	P 17,591,269.00
EAO	–	P 1,750,000.00	EAO	–	P 1,750,000.00
Total:		P 50,000,000.00	Total:		P 50,000,000.00

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

AU-60-202406-02358





**Justification:**

Modification in station limits with decrease in physical target for CW-1 - Road Safety: Pavement Markings due to the following:

- Application of reflectorized thermoplastic pavement markings in only intermittent sections (within original limits) as per actual need as of the present inasmuch as there are already existing pavement markings and/or covered under various on-going/committed projects; and
- Also, said revised limits are also the limits which need the priority roadway lighting and traffic island for road safety purposes.

Decrease in component cost and physical target for CW-1 - Road Safety: Pavement Markings from 28,541.00 lineal meters to 2,494.006 lineal meters due to the following:

- The project design requires reapplication of reflectorized thermoplastic pavement markings (1,520.20 sq. m.) for lane separators and edge line with a length of 2,494.006 lineal meters as per actual need/design instead of the initially proposed length of 28,541.00 lineal meters (which is the full length of the entire S00162MN), hence, decrease in physical target; and
- With said decrease in physical target, correspondingly, decrease in component cost, hence, funds utilized/allocated for the additional priority road safety facilities (roadway lighting and traffic island).

Additional type of work CW-2 - Road Safety: Roadway Lighting with substantial cost due to the following:

- There is a need to prioritize the provision of street lights along the road to improve the safety of the motorists and pedestrians at night, in which said amount constitutes to more than 50.00% of the project cost, hence, additional component;
- Project requires installation of solar LED streetlights [182 units single arm (opposite) 12.0m pole, 125W, 1.5m mast arm length & 93 units double arm (axial) 12.0m pole, 125W, 3.0m mast arm length] for the entire length of the project;
- Design also includes removal of actual structures/obstruction (0.280mm and 0.300mm thk PCCP, with a total area of 372.00 sq. m.), structure excavation (common, with a volume of 1,218.04 cu. m.) to be backfilled with foundation fill (61.88 cu. m.) for streetlight footing foundation bedding, 300mm thk PCCP on a 14-day concrete (372.00 sq. m.); and
- Inclusion of reinforcing steel (11,383.68 kg for Grade 40 and 26,391.48 kg for Grade 60) and structural concrete (27.58 MPa, Class A, 14-day, with a total volume of 424.81 cu. m.) for streetlight footing foundation (pedestal), all of which greatly contributed to this scope of work's substantial cost.

Additional type of work CW-3 - Off-Carriageway Improvement: Construction of Traffic Island with substantial cost due to the following:

- Also, there is a need for the construction of 2,494.006 ln. m. median/center island with a width of 1.2m to address road safety and security of the travelling public in the area especially that existing road is 6 lanes in which the amount constitutes more than 30.000% of the project cost, hence, additional component;
- Project requires construction of median barrier island with CHB non-load bearing (including reinforcing steel, 150mm, 3,900.86 sq. m.), concrete curb (cast in place, with a length of 5,015.41 ln. m.), aggregate subbase course (37 cu. m. compacted volume, for leveling course), delineators with reflective sheeting, aluminum, 1,548 pcs), and paint (4,005.02 sq. m.); and
- Design also includes installation of warning and regulatory signs, hazard markers, and furnishing/placing of topsoil (1,163.61 cu. m.), all of which greatly contributed to this scope of work's substantial cost.

See attached evaluation of the Bureau of Quality and Safety dated June 07, 2024.

Attached also are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Approved Detailed Engineering Design (DED), Certificated of Reasonableness of Unit Cost, Certificate of Availability of Funds (CAF), Geotagged Photos, GIS Map, and Annual Infrastructure Program (AIP) based on GAA.





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

**APPROVED/~~DISAPPROVED~~**

  
**EUGENIO R. PIPO, JR.**

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

2.3 mksa/AVS/RPBG/ERP