



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

Number:	XI-118
Project ID:	P00705595MN

April 27, 2023

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 25 April 2023 of **DPWH OIC-Region XI Director JUBY B. CORDON**, endorsing the request of **District Engineer NICOMEDES D. PARILLA, JR.**, Davao del Sur District Engineering Office, for the **modification** of the project under FY 2023 GAA, to wit:

As per GAA/Original			As Modified		
Project Description					
UACS No. 310201101122000 Project ID: P00705595MN					
OO1: Ensure Safe and Reliable National Road System			OO1: Ensure Safe and Reliable National Road System		
Network Development – Road Widening – Primary Roads			Network Development – Road Widening – Primary Roads		
Davao-Cotabato Rd (Davao City-Jct Digos Sect) – K1537 + 761 – K1538 + 294, K1538 + 924 – K1538 + 952, K1538 + 960 – K1538 + 966, K1538 + 975 – K1539+011, K1539 + 042 – K1539 + 087, K1539 + 240 – 1539 + 256, K1539 + 274 – K1539 + 381, K1539 + 828 – K1539 + 837, K1539 + 879 – K1539 + 922, K1539 + 971 – K1539 + 997, K1540 + 016 – K1540 + 029, K1540 + 043 – K1540 + 074, K1541 + 295 – K1541 + 310, K1552 + 537 – K1552 + 544, K1552 + 612 – K1552 + 627, K1552 + 652 – K1552 + 667, K1552 + 711 – K1552 + 721, K1552 + 741 – K1552 + 766, K1555 + 167 – K1555 + 191, K1555 + 900 – K1555 + 1044, K1556 + 064 – K1556 + 093, K1556 + 179 – K1556 + 183, K1556 + 682 – K1556 + 691, K1556 +970 – K1556 + 988, K1561 + 833 – K1561 + 845, K1561 + 860 – K1561 + 872, K1561 + 885 – K1561 + 913, K1563 + 000 – K1563 + 198			Davao-Cotabato Rd (Davao City-Jct Digos Sect) – K1537 + 761 – K1538 + 002, K1538 + 002 – K1538 + 028, K1538 + 028 – K1538 + 294, K1538 + 924 – K1538 + 952, K1538 + 960 – K1538 + 966, K1538 + 975 – K1539+011, K1539 + 042 – K1539 + 087, K1539 + 240 – 1539 + 256, K1539 + 274 – K1539 + 381, K1539 + 828 – K1539 + 837, K1539 + 879 – K1539 + 922, K1539 + 971 – K1539 + 997, K1540 + 016 – K1540 + 029, K1540 + 043 – K1540 + 074, K1541 + 295 – K1541 + 310, K1552 + 537 – K1552 + 544, K1552 + 612 – K1552 + 627, K1552 + 652 – K1552 + 667, K1552 + 711 – K1552 + 721, K1552 + 741 – K1552 + 766, K1555 + 167 – K1555 + 191, K1555 + 900 – K1555 + 1044, K1556 + 064 – K1556 + 073, K1556 + 179 – K1556 + 183, K1556 + 682 – K1556 + 691, K1556 +970 – K1556 + 988, K1561 + 833 – K1561 + 845, K1561 + 860 – K1561 + 872, K1561 + 885 – K1561 + 913, K1563 + 000 – K1563 + 190		
Type of Work/Physical Target	Unit Cost	Allocation	Type of Work/Physical Target	Unit Cost	Estimated Cost
CW-1 Road Widening: 2.934 lane km	P 20,591,271.30/ Lane km	P 60,414,790.00	CW-1 Road Widening: 1.579 lane km	P 19,578,714.38/ Lane km <i>P 39 M/km</i>	P 30,914,790.00
			ROW Acquisition: 6,918.53 sq.m.	P 4,263.91/ Sq.m.	P 29,500,000.00
EAO	-	P 2,191,210.00	EAO	-	P 2,191,210.00
Total:		P 62,606,000.00	Total:		P 62,606,000.00
Justification:					
Change In the project limits/inclusion of additional road section due to;					
<ul style="list-style-type: none"><li>Revised 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> section, to break down/specify the number of lanes to be covered;<ul style="list-style-type: none"><li>a) 1<sup>st</sup> section - K1537 + 761 – K1538 + 002: 1 lane (R/S)</li><li>b) 2<sup>nd</sup> section – K1538 + 002 – K1538 + 028: 2 lanes (B/S)</li><li>c) 3<sup>rd</sup> section – K1538 + 028 – K1538 + 294: 1 lane (R/S)</li></ul></li><li>Twenty-first section modified to K1556+073 (from K1556+093) inasmuch as K1556+073 – K1556+093 is already 6 lanes; and;</li></ul>					



Decrease in physical target from 2.934 lane km to 1.579 lane km including decrease in allocation for CW1-Road Widening (with substantial cost) due to the following:

- Decrease in the amount for road widening to allot payment for RROW;
- Decrease in the physical target inasmuch as widening for most sections only involve one lane (5 into 6 lanes) per actual need instead of two lanes (4 into 6 lanes) for all sections as reflected in GAA. Proposal of this Region under FY 2023 Regional Budget Proposal (copy attached) is mostly one lane only and not 2 lanes;
- Road section is mostly on-grade, hence, design requires lesser earthworks (cut/fill) than initially considered to conform with the DPWH Design Guidelines, Criteria and Standards (Horizontal and Vertical Alignment and Road Width). Hence, with lower unit cost;
- Although with lesser unit cost, project still has substantial cost since project includes construction of lateral drainage with pipe culverts (RCPC) of 910mmdia. (56 ln.m.), rectangular lined canal (L=49 ln.m. , H=0.90m), grouted riprap for lined canal (L=343.76 ln.m.) and stone masonry for headwall (17.30 cu.m.), hence, with substantial cost and correspondingly, decrease in physical target; and
- This also involves flaring at junctions, paving of shoulders (2.50 m both sides), construction of median/center island and other miscellaneous structures such as installation of metal guardrails including post, furnishing and placing topsoil, application of reflectorized thermoplastic pavement markings, and installation of double-arm post with LED streetlights for the safety of the travelling public, which also contributed to its substantial cost.

Additional ROW component/type of work due to:

- As per survey, there are structures and lands that will be affected by the project. Hence, the need for ROW payment for said affected structures/improvement/land acquisition. The derived unit cost for ROW Acquisition is based on the current market values in the locality.

Attached are the following supporting documents: Approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA), Approved Detailed Engineering Design (DED), Certificate of Reasonableness of Unit Cost, Certificate of Availability of Funds (CAF), Geotagged Photographs, 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.



**ADOR G. CANLAS**

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