

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

Manila



April 16, 2024

## MEMORANDUM

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FOR

MANUEL M. BONOAN Secretary This Department

This refers to the memorandum dated 16 April 2024 of **DPWH Region XIII Director POL M. DELOS SANTOS** requesting for the approval of Modification of the hereunder project under FY 2024 General Appropriations Act (GAA), to wit;

Asset Preservation - Preventive Maintenance - Primary Roads         Daang Maharlika (Agusan-Davao Sect) - K1336 +         234 - K1336 + 700         Type of Work/         Physical Target         Unit Cost       Allocation         Type of Work/         Physical Target       Unit Cost         Allocation       Physical Target         CW1-       Preventive         Maintenance of       P8,283,261.80/         Daang Maharlika (Agusan - Davao Section         Nade Lane Km       P15,440,000.00         EAO       -         P       560,000.00         EAO       -         P 560,000.00       EAO         Total:       P16,000,000.00         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7         Daang Maharlika (Agusan - Davao Se		As per GAA/Original As Modified				
Project ID: P00801130MN       OO1: Ensure Safe and Reliable National Road System         Asset Preservation - Preventive Maintenance - Primary Roads       OO1: Ensure Safe and Reliable National Road System         Daang Maharlika (Agusan-Davao Sect) - K1336 +       Daang Maharlika (Agusan - Davao Sectio K1336 + 455         Type of Work/       Unit Cost       Allocation         Physical Target       Unit Cost       Allocation         Type of Work/       Preventive       Maintenance of         Road: Asphalt       P8,283,261.80/       P15,440,000.00         CW1- Preventive       Preventive       Maintenance of         Road: Asphalt       P8,283,261.80/       P15,440,000.00         CW1- Preventive       Maintenance of       Road: Asphalt         Overlay/       1.020 Lane Km       P15,440,000.00         Lane Km       P15,600,000       EAO       -         EAO       -       P 560,000.00       EAO       -         P15,000,000       EAO       -       P 560,000.00       -         Justification:       •       Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 72       -         •       Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 72       -       -         •       Daang Mahar			Project D	Description		
OO1: Ensure Safe and Reliable National Road System Asset Preservation - Preventive Maintenance - Primary Roads       OO1: Ensure Safe and Reliable National Road System Asset Preservation - Preventive Maintenance - Primary Roads         Daang Maharlika (Agusan-Davao Sect) - K1336 + 234 - K1336 + 700       Daang Maharlika (Agusan - Davao Section K1336 + 200-K1336 + 455         Type of Work/ Physical Target Maintenance of Road: Asphalt Overlay/ 1.864 Lane Km       Unit Cost       Allocation         P15,440,000.00       P15,440,000.00       Freventive Maintenance of Road: Asphalt Overlay/ 1.864 Lane Km       P15,440,000.00         Isot For Preventive Maintenance of Road: Asphalt       P15,440,000.00       FAO       -         CW1- Preventive Maintenance of Road: Asphalt       P15,440,000.00       FAO       -         CW1- Dereventive Maintenance of Road: Asphalt       P15,440,000.00       FAO       -         CW1- Preventive Maintenance of Road: Asphalt       P15,000,000.00       Total:       P15,440,000.00         Justification:       C       Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to the workable proj limit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. S Attached straight line diagram.         Decreased in length of physical target by 0.82 lane km from 1.864 lane km to 1.020 lane km due o						
Data in Ka (Kgusai P-Davao Sect) - K1330 +       K1336 + 200-K1336 + 455         Type of Work/ Physical Target Maintenance of Road: Asphalt Overlay/ 1.864 Lane Km       Unit Cost       Allocation       Type of Work/ Physical Target CW1- Preventive Maintenance of Road: Asphalt Overlay/ 1.864 Lane Km       Unit Cost       Estimated Cc         EAO       -       P 560,000.00       EAO       -       P 560,000.00         Total:       P16,000,000.00       EAO       -       P 560,000.00         Justification:       Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 71       Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 71         Daang Maharlika (Agusan - Davao Section) K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 to ensure continuity ensure station limit with asphalt overlay. Static contributes to 1.020 lane km due o         High unit cost per lane km that is attributed to earthwork requirement of the project the project where surglus Excavation (Common Soil) contributes to 3.67%	OO1: Ensure Safe and Reliable National Road System Asset Preservation - Preventive Maintenance – Primary Roads			Asset Preservation - Preventive Maintenance – Primary Roads		
Physical Target       Unit Cost       Allocation       Physical Target       Unit Cost       Estimated co         CW1- Preventive Maintenance of Road: Asphalt Overlay/ 1.864 Lane Km       P8,283,261.80/ Lane Km       P15,440,000.00       CW1- Preventive Maintenance of Road: Asphalt Overlay/ 1.020 Lane Km       P15,137,254.90/ Lane Km       P15,440,000         EAO       -       P 560,000.00       EAO       -       P 560,000.00         Total:       P16,000,000.00       EAO       -       P 560,000.00         Justification:       •       Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 71 Daang Maharlika (Agusan - Davao Section) K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 is the workable proj limit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. S Attached straight line diagram.         •       Decreased in length of physical target by 0.82 lane km from 1.864 lane km to 1.020 lane km due o       • High unit cost per lane km that is attributed to earthwork requirement of the project to prioritize reblocking of slabs that demand immediate corrective measures         •       Bituminous concrete Surface wearing course (50mm thick), Bituminous concrete Surface wearing course (50mm thick), Bituminous concrete Surface binder course (50mm thick) contributing 51.66% and 27.61% to the total direct cost respectively.       •         •       Earthworks covers 1.82% of the total construction cost due to the massive earthwork requir	States in the second		o Sect) - K1336 +			
CW1- Preventive Maintenance of Road: Asphalt Overlay/ 1.864 Lane Km       P8,283,261.80/ Lane Km       P15,440,000.00       Preventive Maintenance of Road: Asphalt Overlay/ 1.020 Lane Km       P15,137,254.90/ Lane Km       P15,440,000.00         EAO       -       P 560,000.00       EAO       -       P 560,000.00         Total:       P16,000,000.00       EAO       -       P 560,000.00         Justification:       Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 7/ Daang Maharlika (Agusan - Davao Section) K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 is the workable proj limit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. S Attached straight line diagram.         Decreased in length of physical target by 0.82 lane km from 1.864 lane km to 1.020 lane km due o       High unit cost per lane km that is attributed to earthwork requirement of the project to prioritize reblocking of slabs that demand immediate corrective measures         Bituminous concrete Surface wearing course (50mm thick), Bituminous concrete Surface binder course (50mm thick) contributing 51.66% and 27.61% to the total direct cost respectively.         Earthworks covers 1.82% of the total construction cost due to the massive earthwork requirement of the project where Surplus Excavation (Common Soil) contributes 0.209 miscellaneous structures (thermoplastic and paving fabric) which contributes to 3.67% the total construction cost.		Unit Cost	Allocation		Unit Cost	Estimated Cost
Total:         ₱16,000,000.00         Total:         ₱16,000,000           Justification:         •         Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 70           Daang Maharlika (Agusan - Davao Section)         K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 is the workable projelimit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. Section Attached straight line diagram.           •         Decreased in length of physical target by 0.82 lane km from 1.864 lane km to 1.020 lane km due or High unit cost per lane km that is attributed to earthwork requirement of the project to prioritize reblocking of slabs that demand immediate corrective measures           •         Bituminous concrete Surface wearing course (50mm thick), contributing 51.66% and 27.61% to the total direct cost respectively.           •         Earthworks covers 1.82% of the total construction cost due to the massive earthwork requirement of the project where Surplus Excavation (Common Soil) contributes 0.20% miscellaneous structures (thermoplastic and paving fabric) which contributes to 3.67% the total construction cost.	Maintenance of Road: Asphalt Overlay/	[1] M. U.S. 199	₱15,440,000.00	Preventive Maintenance of Road: Asphalt Overlay/	Lane Km	₱ 15,440,000.00  ~m ~
<ul> <li>Justification:</li> <li>Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 70 Daang Maharlika (Agusan - Davao Section) K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 is the workable projelimit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. S Attached straight line diagram.</li> <li>Decreased in length of physical target by 0.82 lane km from 1.864 lane km to 1.020 lane km due</li> <li>High unit cost per lane km that is attributed to earthwork requirement of the project to prioritize reblocking of slabs that demand immediate corrective measures</li> <li>Bituminous concrete Surface wearing course (50mm thick), Bituminous concrete Surfabinder course (50mm thick) contributing 51.66% and 27.61% to the total direct cost respectively.</li> <li>Earthworks covers 1.82% of the total construction cost due to the massive earthwork requirement of the project where Surplus Excavation (Common Soil) contributes 0.20% miscellaneous structures (thermoplastic and paving fabric) which contributes to 3.67% the total construction cost.</li> </ul>	EAO			EAO	/	₱ 560,000.00
<ul> <li>Change of project name from Daang Maharlika (Agusan - Davao Sect) - K1336 + 234 - K1336 + 74 Daang Maharlika (Agusan - Davao Section) K1336+200 - K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 - K1336+455 is the workable projelimit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. Section 2000 - K1336+455 is the workable projelimit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. Section 2000 - K1336+455 is the workable projelimit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. Section 2000 - K1336+455 is the workable projelimit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. Section 2000 - K1336+455 is the workable project to be overlaid to project the project is prioritize reblocking of slabs that demand immediate corrective measures</li> <li>Bituminous concrete Surface wearing course (50mm thick), Bituminous concrete Surfabinder course (50mm thick) contributing 51.66% and 27.61% to the total direct cost respectively.</li> <li>Earthworks covers 1.82% of the total construction cost due to the massive earthwork requirement of the project where Surplus Excavation (Common Soil) contributes 0.20% miscellaneous structures (thermoplastic and paving fabric) which contributes to 3.67% the total construction cost.</li> </ul>		Total:	₱16,000,000.00		Total:	₱ 16,000,000.00
	•	<ul> <li>Daang Maharlika (Agusan – Davao Section) K1336+200 – K1336+455 to ensure continuity and homogeneity of asphalt surface. This station limit K1336+200 – K1336+455 is the workable project limit to be overlaid with asphalt to connect to the preceding station limit with asphalt overlay. See Attached straight line diagram.</li> <li>Decreased in length of physical target by 0.82 lane km from 1.864 lane km to 1.020 lane km due to: <ul> <li>High unit cost per lane km that is attributed to earthwork requirement of the project to prioritize reblocking of slabs that demand immediate corrective measures</li> <li>Bituminous concrete Surface wearing course (50mm thick), Bituminous concrete Surface binder course (50mm thick) contributing 51.66% and 27.61% to the total direct cost respectively.</li> </ul> </li> </ul>				
Unit Price Analysis (DUPA) and Detailed Engineering Design (DED) Plan.	٠					

## UACS No. 310101101428000 Project ID: P00801130MN

Page 2 of 2

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

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

## **RECOMMENDING APPROVAL:**

TOR. PIPO,

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

BRAL, Ph.D., CESO I

MARIA CATALINA E. CABRAL, Ph.D., CESO Undersecretary for Planning and Public-Private Partnership Services

## APPROVED/DISAPPROVED:

MANUEL M. BONOAN Secretary

2.3 mksa/AVS/RPBG/ERP

Department of Public Works and Highways Office of the Secretary

