



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

MEMORANDUM

FOR : **ROGER G. MERCADO**
Acting Secretary


This refers to the Memorandum dated February 22, 2022, of **DPWH Region V Director VIRGILIO C. EDUARTE, CESO III**, endorsing the request of **District Engineer Simon N. Arias**, Masbate 2nd District Engineering Office, for the approval of **Modification** of the project under the FY 2022 General Appropriations Act (GAA), to wit:

As per GAA/Original			As Modified		
Project Description					
UACS No. 310105100717000 Project ID: P00603972LZ					
OO1: Ensure Safe and Reliable National Road System			OO1: Ensure Safe and Reliable National Road System		
Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads			Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads		
Masbate-Milagros Rd - K0011 + 612 - K0012 + 340			Masbate-Milagros Rd - K0011 + 554 - K0011 + 1004		
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost
CW1 - Reconstruction to Concrete Pavement - 3.17 Lane Km	P 15,457,413.25 /Lane Km	P 49,000,000	CW1 - Reconstruction to Concrete Pavement - 0.9 Lane Km	P 36,882,222.22 /Lane Km	P 33,194,000
			CW2 - Construction of Slope Protection - 1,386.00 Square Meters	P 11,404.04 /Square Meter	P 15,806,000
EAO	-	P 1,000,000	EAO	-	P 1,000,000
Total:		P 50,000,000	Total:		P 50,000,000


Justification:

- Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.
- The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.
- The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).
- Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).

Based on our evaluation, the submitted request for modification of the said project is in order. Hence, the said request is hereby recommended for Secretary's consideration and approval.


ROBERTO R. BERNARDO, CESO I
Undersecretary for Regional Operations
In Luzon except NCR and Region IV-B

APPROVED/DISAPPROVED: _____


ROGER G. MERCADO
Acting Secretary






2.1 ACC/MBB/ACL/RRB

Department of Public Works and Highways
Office of the Secretary




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
Based on our evaluation, the submitted request for modification of the said project is in order. Hence, the said request is hereby recommended for Secretary's consideration and approval.


ROBERTO R. BERNARDO, CESO I
Undersecretary for Regional Operations
In Luzon except NCR and Region IV-B
   

APPROVED/DISAPPROVED:


ROGER G. MERCADO
Acting Secretary
 
2.1 ACC/MBB/ACL/RRB


DPWH - OSEC
RECEIVED
APR 06 2022
By:  Time: 1:50pm
Control No.: n - 7676
IDTS No.: 7652

DPWH - OSEC
RECEIVED
MAR 30 2022
By:  Time: 3:10pm
Control No.: 22- 6789
IDTS No.: 6722



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

MEMORANDUM

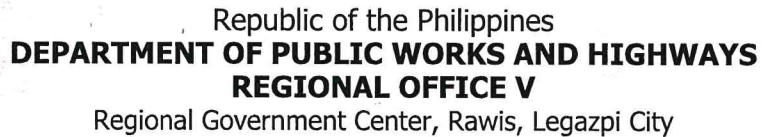
FOR : **ROGER G. MERCADO**
Acting Secretary

This refers to the Memorandum dated February 22, 2022, of **DPWH Region V Director VIRGILIO C. EDUARTE, CESO III**, endorsing the request of **District Engineer Simon N. Arias**, Masbate 2nd District Engineering Office, for the approval of **Modification** of the project under the FY 2022 General Appropriations Act (GAA), to wit:

<i>As per GAA/Original</i>			<i>As Modified</i>		
Project Description					
UACS No. 310105100717000 Project ID: P00603972LZ					
OO1: Ensure Safe and Reliable National Road System			OO1: Ensure Safe and Reliable National Road System		
Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads			Asset Preservation - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads		
Masbate-Milagros Rd - K0011 + 612 - K0012 + 340			Masbate-Milagros Rd - K0011 + 554 - K0011 + 1004		
Physical Target	Unit Cost	Allocation (P)	Physical Target	Unit Cost	Estimated Cost
CW1 – Reconstruction to Concrete Pavement – 3.17 Lane Km	₱ 15,457,413.25 /Lane Km	₱ 49,000,000	CW1 – Reconstruction to Concrete Pavement – 0.9 Lane Km	₱ 36,882,222.22 /Lane Km	₱ 33,194,000
			CW2 – Construction of Slope Protection – 1,386.00 Square Meters	₱ 11,404.04 /Square Meter	₱ 15,806,000
EAO	-	₱ 1,000,000	EAO	-	₱ 1,000,000
Total:		₱ 50,000,000	Total:		₱ 50,000,000

Justification:

- Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.
- The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.
- The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).
- Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).



February 22, 2022

MEMORANDUM

FOR : **Acting Secretary ROGER G. MERCADO**
This Department

THRU : **Senior Undersecretary RAFAEL C. YABUT**
Overall Supervision and Management of
Operations of all Bureaus, Services, and Regional Offices

Undersecretary ROBERTO B. BERNARDO
Regional Operations in Luzon except NCR & Region IV-B

ATTENTION : **Acting Undersecretary CONSTANCE A. LLANES, JR.**
Planning Service

SUBJECT : **Modification Request for Project included under the FY 2022 GAA (RA 11639) within MASBATE SECOND DISTRICT for Masbate 2nd District Engineering Office Implementation**

Forwarded is the Memorandum dated February 07, 2022 of District Engineer Simon N. Arias, Masbate 2nd District Engineering Office, Masbate City relative to the proposed modification included in FY 2022 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11639, for Masbate 2nd District Engineering Office Implementation, viz:

FROM (As per GAA)					TO (As Modified)				
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)		UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)	
310105100717000 / P00603972LZ									
ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads									
Project: Masbate-Milagros Rd - K0011 + 612 - K0012 + 340					Project: Masbate-Milagros Rd - K0011 + 554 - K0011 + 1004				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Reconstruction to Concrete Pavement	3.170	Lane Km	49,000.00	CW1	Reconstruction to Concrete Pavement	0.900	Lane Km	33,194.00
EAO	-	-	-	1,000.00	CW2 EAO	Construction of Slope Protection	1,386.00 sq.m	-	15,806.00 1,000.00
TOTAL				50,000.00	TOTAL				50,000.00
REMARKS/JUSTIFICATION:									
<p>-Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.</p> <p>-The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.</p> <p>-The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).</p> <p>-Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).</p>									

Attached are accomplished Evaluation Form for Modification, Approved Program of Work, Certificate of Availability of Funds, and other supporting documents in support to the request.

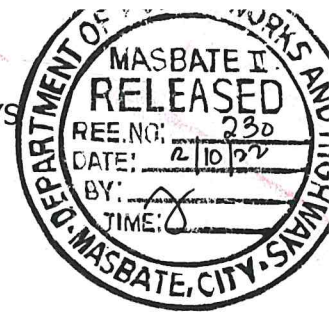
For favorable consideration.

VIRGILIO C. EDUARTE, CESO IV
Regional Director

R05.1 CRDE/LBD/EMV/HPMP/BMF



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
MASBATE 2ND
DISTRICT ENGINEERING OFFICE
REGIONAL OFFICE NO. V
City of Masbate



February 7, 2022

MEMORANDUM

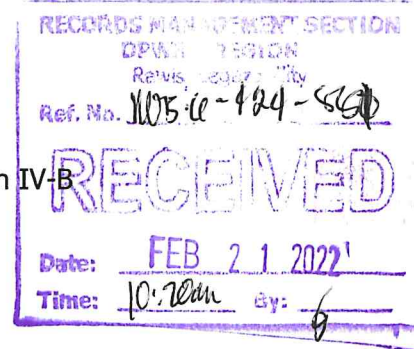
FOR : **ACTING SECRETARY ROGER G. MERCADO**
This Department

THRU : **Undersecretary ROBERTO R. BERNARDO**
Regional Operations in Luzon except NCR and Region IV-B

Director CONSTANCE A. LLANES, JR., CESO III
Planning Service

Director VIRGILIO C. EDUARTE, CESO IV
Regional Office V
Rawis, Legazpi City

SUBJECT : **Modification Request for Project included under the FY 2022 GAA (RA 11639) within MASBATE SECOND DISTRICT for Masbate 2nd District Engineering Office Implementation**



Submitted herewith is the proposed modification under ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads, included in FY 2022 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11639, for Masbate 2nd District Engineering Office Implementation.

FROM (As per GAA)					TO (As Modified)				
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)		UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)	
310105100717000 / P00603972LZ									
ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads									
Project: Masbate-Milagros Rd - K0011 + 612 - K0012 + 340					Project: Masbate-Milagros Rd - K0011 + 554 - K0011 + 1004				
Component:	Type of Work:	Target	Unit	Component Cost	Component:	Type of Work:	Target	Unit	Component Cost
CW1	Reconstruction to Concrete Pavement	3.1700	Lane Km	49,000	CW1	Reconstruction to Concrete Pavement	0.900	Lane Km	38,194
EAO	-	-	-	1,000	CW2 EAO	Construction of slope Protection	1,386.00	Sq.m.	15,806
TOTAL				50,000.00	TOTAL				50,000.00
REMARKS/JUSTIFICATION:									
<p>-Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.</p> <p>-The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.</p> <p>-The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).</p> <p>-Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).</p>									

Attached are accomplished Evaluation Form for Modification, Approved Programs of Work, Certificate of Availability of Funds, and other supporting documents in support to the request.

For favorable consideration.

SIMON N. ARIAS

District Engineer

R05.19.1 MIG/AOM



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
MASBATE 2nd
DISTRICT ENGINEERING OFFICE
REGIONAL OFFICE V
Capitol Road, Masbate City

Date: 04 February 2022

Project Name : Asset Preservation Program-Rehabilitation/Reconstruction/Upgrading of Damaged Paved Roads-Secondary Roads-Masbate-Milagros Rd (S00015MT) K0011+554 – K0011+1004
Component ID : P00603972LZ-CW1
Location : Masbate City
Duration : 225 Calendar Days

CERTIFICATE OF REASONABLENESS OF COST ESTIMATE

The project Asset Preservation Program-Rehabilitation/Reconstruction/Upgrading of Damaged Paved Roads-Secondary Roads-Masbate-Milagros Rd (S00015MT) K0011+554 – K0011+1004– P00603972LZ-CW1, has a total of 0.900 Lane Kilometer and generated a total cost of **Forty-Nine Million (P49,000,000.00)**. The project is reasonable based on the cost estimate and considering actual field condition. Summarized on the table below are the description of work to be done and its corresponding total direct cost.

DESCRIPTION OF WORK TO BE DONE		AMOUNT (Total Cost)	PERCENT (Weight)
PART A	Facilities for the Engineer	85,050.00	0.17%
PART B	Other General Requirements	2,066,630.39	4.22%
PART C	Earthwork	8,397,051.88	17.14%
PART D	Subbase and Base Course	2,669,894.93	5.45%
PART E	Surface Course	10,332,276.40	21.09%
PART F	Bridge Construction	7,302,625.36	14.90%
PART G	Drainage and Slope Protection Structures	16,197,641.82	33.06%
PART H	Miscellaneous Structures	1,948,804.32	3.98%
TOTAL:		₱48,999,804.00 Say P49,000,000.00	100.00%

Unit Cost per lane kilometer of road = $\frac{₱49,000,000.00}{0.900} = ₱54,444,444.44$ per lane kilometer

The estimated cost of ₱49,000,000.00 for the 0.900 lane kilometer for the **Asset Preservation Program-Rehabilitation/Reconstruction/Upgrading of Damaged Paved Roads-Secondary Roads-Masbate-Milagros Rd (S00015MT) K0011+554 – K0011+1004** was based on a typical roadway section with a road right-of-way of 20.00 meters. There is 17.00% decrease in physical target since the allotted budget based on the Project Proposal was Sixty Million Pesos (₱60,000,000.00) but the released budget allocation decreased to Fifty Million (₱50,000,000.00) which leads to the new station limit prioritizing the section that have the critical portion when it comes to traffic safety and will cover the area sufficient to the budget.

The typical roadway section of new station limit consists of Two-lane concrete road including the construction of drainage and slope protection, and installation of road safety devices. This project was designed in preparation for road widening purposes and portion for the construction of bicycle facilities/lanes was also considered in this project in compliance to Department Order No. 88, series 2020 re: Provision of Bicycle Facilities. Hence, 21.09% for Item 300(2) – Crushed Aggregate Surface Course and Item 311(1)e1 – Portland Cement Concrete Pavement (Unreinforced), 0.28 m thick, 14 days, 14.90% for Item 404(1)a – Reinforcing Steel, Grade 40 and Item 405(1)a3 – Structural Concrete, 20.68Mpa, Class A, 28 Days, 33.06% for Item 500(1)b3 – Pipe Culverts, 910mm dia., Class IV, RCPC, Item 503(1) – Metal Frames and Grating, Item 504(2)c – Removing, Cleaning, and Relaying Salvaged Culvert Pipe, 910 mm dia., Item 502(a) – Grouted Riprap, Class A, 508(1) – Hand-laid Rock Embankment, Item 509(1)b1 – Sheet Piles, Steel, Slope Protection, and Item 510(2) – Concrete, Slope Protection, 3.98% for Item 603(3)a1 – Metal Guardrail (Metal Beam) Including Post, Single, W-Beam, Item 603(4)b – Metal Beam End Piece, Bull Nose and Item 611(1) – Trees Furnishing and Transplanting and 32.26% for Item 505(2)a – Grouted Riprap, Class A, Item 508(1) – Hand-Laid Rock Embankment, Item 509(1)b1 – Sheet Piles, Steel, Slope Protection and Item 510(2) – Concrete, Slope Protection.

Items under Part E (Surface Courses)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
300(2)	Crushed Aggregate Surface Course	706,440.02	1.44%
311(1)e1	Portland Cement Concrete Pavement (Unreinforced), 0.28m thick, 14 days	9,625,836.38	19.65%
TOTAL OF PART E		₱10,332,276.40	

Items under Part F (Bridge Constructions)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
404(1)a	Reinforcing Steel, Grade 40	3,293,500.89	6.72%
405(1)a3	Structural Concrete, 20.68Mpa, Class a, 28 Days	4,009,064.47	8.18%
TOTAL OF PART F		₱7,302,625.36	

*Item 405: Structural Concrete and Item 404: Reinforcing Steel which is intended for the construction of lined canal, pedestal and headwalls/catch basin belongs to Group F: Bridge Construction as per D.O. 143 s 2017: Revised Standard Pay Item List for Infrastructure Projects

The typical roadway section of new station limit consists of Two-lane concrete road including the construction of drainage and slope protection, and installation of road safety devices. This project was designed in preparation for road widening purposes and portion for the construction of bicycle facilities/lanes was also considered in this project in compliance to Department Order No. 88, series 2020 re: Provision of Bicycle Facilities. Hence, 21.09% for Item 300(2) – Crushed Aggregate Surface Course and Item 311(1)e1 – Portland Cement Concrete Pavement (Unreinforced), 0.28 m thick, 14 days, 14.90% for Item 404(1)a – Reinforcing Steel, Grade 40 and Item 405(1)a3 – Structural Concrete, 20.68Mpa, Class A, 28 Days, 33.06% for Item 500(1)b3 – Pipe Culverts, 910mm dia., Class IV, RCPC, Item 503(1) – Metal Frames and Grating, Item 504(2)c – Removing, Cleaning, and Relaying Salvaged Culvert Pipe, 910 mm dia., Item 502(a) – Grouted Riprap, Class A, 508(1) – Hand-laid Rock Embankment, Item 509(1)b1 – Sheet Piles, Steel, Slope Protection, and Item 510(2) – Concrete, Slope Protection, 3.98% for Item 603(3)a1 – Metal Guardrail (Metal Beam) Including Post, Single, W-Beam, Item 603(4)b – Metal Beam End Piece, Bull Nose and Item 611(1) – Trees Furnishing and Transplanting and 32.26% for Item 505(2)a – Grouted Riprap, Class A, Item 508(1) – Hand-Laid Rock Embankment, Item 509(1)b1 – Sheet Piles, Steel, Slope Protection and Item 510(2) – Concrete, Slope Protection.

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*Item 405: Structural Concrete and Item 404: Reinforcing Steel which is intended for the construction of lined canal, pedestal and headwalls/catch basin belongs to Group F: Bridge Construction as per D.O. 143 s 2017: Revised Standard Pay Item List for Infrastructure Projects

Items under Part G (Drainage and Slope Protection Structures)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
500(1)b3	Pipe Culverts, 910 mm dia., Class IV, RCPC	332,693.05	0.68%
503(1)	Metal Frames and Grating	28,518.19	0.06%
504(2)c	Removing, Cleaning and Relaying Salvaged Culvert Pipe, 910 mm dia.	30,240.00	0.06%
TOTAL OF PART G		₱391,451.24	

CW2-CONSTRUCTION OF SLOPE PROTECTION

Items under Part G (Drainage and Slope Protection Structures)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
505(2)a	Grouted Riprap	2,736,668.59	5.59%
508(1)	Hand-laid Rock Embankment	2,009,414.74	4.10%
509(1)b1	Sheet Piles, Steel, Slope Protection	7,511,213.43	15.33%
510(2)	Concrete, Slope Protection	3,548,893.82	7.24%
TOTAL OF PART G		₱15,806,190.58	

Items under Part G (Drainage and Slope Protection Structures)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
500(1)b3	Pipe Culverts, 910 mm dia., Class IV, RCPC	332,693.05	0.68%
503(1)	Metal Frames and Grating	28,518.19	0.06%
504(2)c	Removing, Cleaning and Relaying Salvaged Culvert Pipe, 910 mm dia.	30,240.00	0.06%
TOTAL OF PART G		₱391,451.24	

CW2-CONSTRUCTION OF SLOPE PROTECTION

Items under Part G (Drainage and Slope Protection Structures)

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508(1)	Hand-laid Rock Embankment	2,009,414.74	4.10%
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510(2)	Concrete, Slope Protection	3,548,893.82	7.24%
TOTAL OF PART G		₱15,806,190.58	

Items under Part H (Miscellaneous Structures)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
603(3)a1	Metal Guardrail (Metal Beam) Including Post, Single, W-Beam	1,736,803.70	3.54%
603(4)b	Metal Beam End Piece, Bull Nose	46,162.17	0.09%
611(1)	Trees Furnishing and Transplanting	165,838.45	0.34%
TOTAL OF PART H		₱1,948,804.32	

Unit Cost per lane kilometer of Road = $\frac{₱35,781,347.90}{0.900}$ = **₱39,757,053.22**
(including items from Part E, Part F, Part G, and Part H) Per lane kilometer

The increase in unit cost for P00603972LZ - **Asset Preservation Program-Rehabilitation/Reconstruction/Upgrading of Damaged Paved Roads-Secondary Roads-Masbate-Milagros Rd (S00015MT) K0011+554 – K0011+1004** is due to the use of Items from Part F, Part G and Part H, in which include the construction of drainage structure and road safety features (warning signs and other safety devices).

Likewise, the cost per lane kilometer amounted to **₱39,757,053.22** is for items that under Part F, Part G and Part H. Therefore, it is reasonable as to unit cost of the Items of Work involved which are within the range of prevailing cost of the department.

Prepared by:

MARK IAN L. GARBO
Engineer II

Checked by:

ALDO O. MAGLENTE
OIC-Chief, Planning and
Design Section

Submitted by:

SIMON N. ARIAS
District Engineer

Approved by:

VIRGILIO C. EDUARTE, CESO IV
Regional Director

R05.19.1 RBD/AOM

Items under Part H (Miscellaneous Structures)

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT (Weight)
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603(4)b	Metal Beam End Piece, Bull Nose	46,162.17	0.09%
611(1)	Trees Furnishing and Transplanting	165,838.45	0.34%
TOTAL OF PART H		₱1,948,804.32	

Unit Cost per lane kilometer of Road = $\frac{\text{₱35,781,347.90}}{0.900} = \text{₱39,757,053.22}$
(including items from Part E, Part F, Part G, and Part H) Per lane kilometer

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Likewise, the cost per lane kilometer amounted to **₱39,757,053.22** is for items that under Part F, Part G and Part H. Therefore, it is reasonable as to unit cost of the Items of Work involved which are within the range of prevailing cost of the department.

Prepared by:

MARK IAN L. GARBO
Engineer II

Checked by:

ALDO O. MAGLENTE
OIC-Chief, Planning and Design Section

Submitted by:

SIMON N. ARIAS
District Engineer

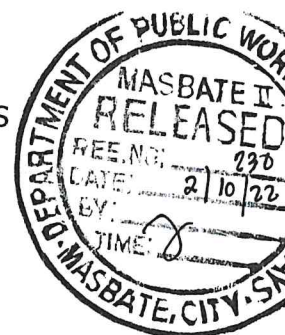
Approved by:

VIRGILIO C. EDUARTE, CESO IV
Regional Director

R05.19.1 RBD/AOM



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
MASBATE 2ND
DISTRICT ENGINEERING OFFICE
REGIONAL OFFICE NO. V
City of Masbate



February 7, 2022

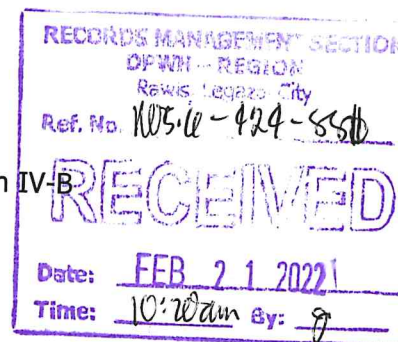
MEMORANDUM

FOR : **ACTING SECRETARY ROGER G. MERCADO**
This Department

THRU : **Undersecretary ROBERTO R. BERNARDO**
Regional Operations in Luzon except NCR and Region IV-B

Director CONSTANCE A. LLANES, JR., CESO III
Planning Service

Director VIRGILIO C. EDUARTE, CESO IV
Regional Office V
Rawis, Legazpi City



SUBJECT : **Modification Request for Project included under the FY 2022 GAA (RA 11639) within MASBATE SECOND DISTRICT for Masbate 2nd District Engineering Office Implementation**

Submitted herewith is the proposed modification under ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads, included in FY 2022 DPWH Infrastructure Program based on General Appropriations Act (GAA) RA 11639, for Masbate 2nd District Engineering Office Implementation.

FROM (As per GAA)				TO (As Modified)			
UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)	UACS/ Project ID	Name/ Location of Project/ Thrust/ Type of Work	Physical Target/ Target Unit	Cost (P '000)
310105100717000 / P00603972LZ							
ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System - Asset Preservation Program - Rehabilitation/ Reconstruction/ Upgrading of Damaged Paved Roads - Secondary Roads							
Project: Masbate-Milagros Rd - K0011 + 612 - K0012 + 340				Project: Masbate-Milagros Rd - K0011 + 554 - K0011 + 1004			
Component:	Type of Work:	Target	Unit	Component:	Type of Work:	Target	Unit
CW1	Reconstruction to Concrete Pavement	3.1700	Lane Km	CW1	Reconstruction to Concrete Pavement	0.900	Lane Km
EAO				CW2	Construction of Slope Protection	1,386.00	sq.m
				EAO			
			49,000				33,194
			1,000				15,806
							1,000
TOTAL			50,000.00	TOTAL			50,000.00
REMARKS/JUSTIFICATION:							
-Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.							
-The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.							
-The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).							
-Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).							

Attached are accomplished Evaluation Form for Modification, Approved Programs of Work, Certificate of Availability of Funds, and other supporting documents in support to the request.

For favorable consideration.

SIMON N. ARIAS

District Engineer

R05.19.1 MIG/AOM

Form for Project Modification Request

A. GENERAL

1. REGION	2. DEO	3. LEGISLATIVE DISTRICT
Region V	Masbate 2nd District Engineering Office	MASBATE SECOND DISTRICT

B. ORIGINAL PROJECT

C. PROPOSED REVISED PROJECT

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Form for Modification Request

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

City of Masbate

25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete Annex A for National road projects under OO1 and LP)

City of Masbate

Start X - End X -
Start Y - End Y -

Start X 123.568889000 End X 123.564167000
Start Y 12.328333000 End Y 12.324167000

15. ROAD CLASSIFICATION (if applicable)

Secondary

26. ROAD CLASSIFICATION (if applicable)

Secondary

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

Masbate 2nd District Engineering Office

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

Masbate 2nd District Engineering Office

17. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date Planned End Date
March 15, 2022 October 25, 2022

28. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date Planned End Date
March 15, 2022 October 25, 2022

29. OVERLAP?

☒ NO ☐ YES

30. UNDER WARRANTY?

☒ NO ☐ YES

D. ATTACHMENTS & JUSTIFICATIONS

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

☐ NO ☐ YES ☒ N/A

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

- Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.
- The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.
- The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).
- Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).

33. GEOTAGGED PHOTOS SUBMITTED

☐ NO ☒ YES

34. A MAP GENERATED FROM THE DEPARTMENT'S GIS OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

☐ NO ☒ YES

Form for Modification Request

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

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☐ NO ☐ YES ☒ N/A

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

- Decrease in physical target due to increase in unit cost in consideration of the provision under D.O. 88 s. 2020, to include bicycle facility and sidewalk along national road. The programmed amount includes additional miscellaneous structures like signage and street luminaires to promote security and improve safety for drivers and pedestrians. Further, inclusion of road slope protection structure to improve stability and resistance to run-off protecting the road from sliding, scouring and erosion of soils due to the location with steep slope. Provision of drainage structure along road is provided to drain surface water away from roadway during heavy rains.
- The location of road side structures (e.g. slope protection and drainage) is to be constructed at the edge of RROW limit to provide space in anticipation of road widening in the near future.
- The derived unit cost and physical target were based on the approved plans, POW, DUPA, CMPD and Certificate of Cost Reasonableness (copy attached).
- Change in station limits to coincide the actual length of the revised physical target and previously approved modification of the adjacent project (copy attached).

33. GEOTAGGED PHOTOS SUBMITTED

☐ NO ☒ YES

34. A MAP GENERATED FROM THE DEPARTMENT'S GIS OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

☐ NO ☒ YES

Form for Project Modification Request

35. PREPARED BY:

Name:	MARK IAN L. GARBO	Position:	Engineer II
Office:	Masbate 2nd District Engineering Office	Date:	

36. REVIEWED BY DISTRICT OFFICE (If Required)

Name:	ALDO UYINAGLENTE
Position	OIC-Chief, Planning and Design Section
Date:	

38. REVIEWED BY REGIONAL OFFICE

Name:	BRIGILDO M. FABIA
Position	OIC-Chief, Planning and Design Division
Date:	

36. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name:	SIMON N. ARIAS
Position	District Engineer
Date:	

39. RECOMMENDED BY REGIONAL OFFICE

Name:	VIRGILIO C. EDUARTE, CESO IV
Position	Regional Director
Date:	

Form for Project Modification Request

35. PREPARED BY:

Name:	MARKIAN L. GARBO	Position:	Engineer II
Office:	Masbate 2nd District Engineering Office	Date:	

36. REVIEWED BY DISTRICT OFFICE (If Required)

38. REVIEWED BY REGIONAL OFFICE

Name:	ALDO O. MARLENTE
Position	OIC-Chief, Planning and Design Section
Date:	

Name:	BRIGILDO M. FABIA
Position	OIC-Chief, Planning and Design Division
Date:	

36. RECOMMENDED BY DISTRICT OFFICE (If Required)

39. RECOMMENDED BY REGIONAL OFFICE

Name:	SIMON N. ARIAS
Position	District Engineer
Date:	

Name:	VIRGILIO C. EDUARTE, CESO IV
Position	Regional Director
Date:	

Form for Project Modification Request

UACS (Unified Account Code Structure as defined in GAA)

310105100717000

Project ID

P00603972LZ

40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS USE ONLY

Category of Modification (choose one)	<input type="checkbox"/> Category A - Typographical Errors <input checked="" type="checkbox"/> Category B - Change in Station Limits, due to increase or decrease in budget <input type="checkbox"/> Category C - Change in Location <input type="checkbox"/> Category D - Change in Operating Unit (requires DBM approval) <input type="checkbox"/> Adjustment - Send to PS-PD to amend <input type="checkbox"/> Modification does not comply with DBM Categories <input type="checkbox"/> Augmentation
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Primary Reason for Request (based on Category of Modification): (choose one)

Category A	Category B	Category C	Category D	Adjustment (Must be no change to target or GAA line item)
<input type="checkbox"/> Typographical error on Project Description Project Description needs <input type="checkbox"/> items removed due to typo error	<input type="checkbox"/> Overlapping Sections of Work <input checked="" type="checkbox"/> Change in station limits, due to increase or decrease in budget <input type="checkbox"/> Change in physical target	<input type="checkbox"/> No such barangay <input type="checkbox"/> No such City/Municipality	<input type="checkbox"/> Change in (IO) requiring change in the (OU)	<input type="checkbox"/> Typographical error on Project Component Description <input type="checkbox"/> Typographical error in other fields not included in, or not consistent with GAA <input type="checkbox"/> Move funds between Project Components <input type="checkbox"/> Add/delete Project Components Change of Itemized Project Component: <input type="checkbox"/> Various <input type="checkbox"/> Description <input type="checkbox"/> Location <input type="checkbox"/> Amount <input type="checkbox"/> Target

Reviewed by Office of the Undersecretary for Operations

Name:	AGNES C. LU / MANNY B. BULUCAN
Signature:	
Position:	TECHNICAL STAFF
Date:	

41. DPWH PLANNING SERVICE OFFICE USE ONLY

Category of Modification (choose one)	<input type="checkbox"/> Category A - Typographical Errors <input checked="" type="checkbox"/> Category B - Change in Station Limits, due to increase or decrease in budget <input type="checkbox"/> Category C - Change in Location <input type="checkbox"/> Category D - Change in Operating Unit (requires DBM approval) <input type="checkbox"/> Adjustment - Send to PS-PD to amend <input type="checkbox"/> Modification does not comply with DBM Categories <input type="checkbox"/> Augmentation
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Reviewed by Planning Service

Name:	JANICA ANNA P. OJENAR-BELOY	Name:	PETER PAUL R. CORTEZ
Signature:		Signature:	
Position:	Regional Coordinator	Position:	OIC - Chief, Programming Division
Date:		Date:	