



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

March 23, 2018

MEMORANDUM


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

DPWH-CAR
HRAD-RMS
RECEIVED
Date: MAR 28 2018
Ref. No. CAR-G-210-559

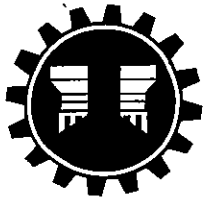
Transmitted herewith are the **APPROVED** requests for the **modification** of hereunder stated projects:

1. OO1: Ensure Safe and Reliable National Road System – Network Development - Off-Carriageway Improvement – Primary Roads: Kennon Rd - K0216+270 - K0216+814, **K0217+532 – K0217+650**, K0227+000 - K0227+068, K0227+079 - K0227+744, K0234+000 - K0235+**000**, K0233+576 - K0233+**677**
2. OO1: Ensure Safe and Reliable National Road System – Network Development - Construction of Missing Links/New Roads: Taloy Norte Jct. - San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet

It is informed that **a project can only be modified once** as prescribed under the FY 2018 General Appropriations Act (GAA). Further, it is 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.


DIMAS S. SOGUILON
Undersecretary for Regional Operations
Regions I, II, III, IV-A, V & CAR

2.4 mksa/AVS/ERP/DSS



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

March 14, 2018

MEMORANDUM

FOR : **MARK A. VILLAR**
Secretary
This Department

This refers to the memorandum dated 5 February 2018 of **DPWH Cordillera Administrative Region (CAR) Director NERIE D. BUENO**, requesting for the approval of the **Modification** of the project under FY 2018 General Appropriation Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310205100166000 Project ID: P00202342LZ					
OO1: Ensure Safe and Reliable National Road System – Network Development - Construction of Missing Links/ New Roads:			OO1: Ensure Safe and Reliable National Road System – Network Development - Construction of Missing Links/New Roads:		
Taloy Norte Jct. - San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet			Taloy Norte Jct. - San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
ROW Acquisition: 7,500 sq.m.	₱ 1.00T/sq.m.	₱ 7.50M	ROW Acquisition: 1,500 sq.m.	₱ 1.00T/sq.m.	₱ 1.50M
CW3- Construction of Road Slope Protection Structure/ 5,033 sq.m.	₱ 9.09T/sq.m.	₱ 45.75M	CW3- Construction of Road Slope Protection Structure/ 4,968 sq.m.	₱ 5.91T/sq.m.	₱ 29.351M
CW1- Construction of Gravel Road/ 4.984 lane-km	₱ 1.933M/ lane-km	₱ 9.632M	CW1- Construction of Gravel Road/ 1.7299 lane-km	₱ 21.118M/ lane-km	₱ 36.531M
CW2- Construction of Concrete Road/ 2.486 lane-km	₱ 25.183M/ lane-km	₱ 62.605M	CW2- Construction of Concrete Road/ 2.4731 lane-km	₱ 16.957M/ lane-km	₱ 41.937M
CW4- Construction of Concrete Bridge/ 443.60 sq.m.	₱ 43.42T/sq.m.	₱ 19.263M	CW4- Construction of Concrete Bridge/ 443.61 sq.m.	₱ 79.87T/sq.m.	₱ 35.430M
EAO	-	₱ 5.250M	EAO	-	₱ 5.250M
Total:		₱ 150M	Total:		₱ 150M
Justification:					
<ul style="list-style-type: none">The correct alignment of the proposed road was established during the survey thereby reducing the cost for ROW. The actual survey also revealed the true length of the proposed bridge and the actual length of the road to be opened in order to link to the corrected road alignment.Considering the close proximity of aggregates, the unit cost for slope protection and road concreting is reduced.The allocation for slope protection, involves only the most critical areas, resulting in decrease of the physical target.The <u>increase in the unit cost of Gravel Road</u> is due to the massive excavation/earthworks to attain the required minimum design of 18% grade for mountainous areas resulting to the cut of the mountain slopes with depths ranging 10-20 meters.Furthermore, the <u>increase in the unit cost of the bridge</u> is due to the inclusion of massive abutment protections such a mattresses/ground anchor, Gabions, Stone Masonry and Hand laid Rock Embankment for the bridge abutments for protection against scouring and for increasing the stability of the slope where that abutments are to be founded. Moreover, the height of columns of the bridge also needs to be constructed at a higher elevation in order to jibe with the finished grade elevation of its road approaches.					

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


DIMAS S. SOGUILON

Undersecretary for Regional Operations
Regions I, II, III, IV-A, V & CAR

~~APPROVED~~/DISAPPROVED:


MARK A. VILLAR

Secretary

2.4 mksa//AVS/ERP/DSS

Department of Public Works and Highways
Office of the Secretary



WIN8G01775



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

February 5, 2018

MEMORANDUM

FOR : MARK A. VILLAR
Secretary

THRU : DIMAS S. SOGUILON
Undersecretary for Regional Operations in Luzon

SUBJECT : Request for the Modification of the project: Network Development – Construction of Missing Links/New Roads: Taloy Norte Jct. – San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet

We are respectfully submitting for review and approval the modification of the above project in the amount of **One Hundred Fifty Million Pesos (Php 150,000,000.00)**, to wit:

FROM
Network Development – Construction of Missing Links/New Roads: Taloy Norte Jct. – San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet

Physical Target:
CW1: **4.984** Lane KM
CW2: **2.486** Lane KM
CW3: **5,033** Square Meters
CW4: **443.60** Square Meters
ROW: **7,500** Square Meters

Component Allocation:
CW1: **9,631,579**
CW2: **62,605,263**
CW3: **45,750,000**
CW4: **19,263,158**
ROW: **7,500,000**
EAO: 5,250,000


TO
Network Development – Construction of Missing Links/New Roads: Taloy Norte Jct. – San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet

Physical Target:
CW1: **1.7299** Lane KM
CW2: **2.4731** Lane KM
CW3: **4,968** Square Meters
CW4: **443.61** Square Meters
ROW: **1,500** Square Meters

Component Allocation:
CW1: **36,531,393.27**
CW2: **41,937,373.41**
CW3: **29,351,491.46**
CW4: **35,429,742.86**
ROW: **1,500,000**
EAO: 5,250,000

As per D.O. # 11, Series of 2018 Re: Guidelines to be used in the Evaluation of Modification Requests, all supporting documents are hereto attached for your ready reference.

For favorable consideration.


NERIE D. BUENO, CESO IV
Regional Director

CAR.1 RBP/EGE/ABM

Form for Project Modification Request

A. GENERAL

1. REGION CAR		2. DEO Benguet First DEO		3. LEGISLATIVE DISTRICT Benguet	
B. ORIGINAL PROJECT			C. PROPOSED REVISED PROJECT		
4. UACS (Unified Account Code Structure as defined in GAA) 310205100166000					
5. Project Id P00202342LZ					
6. Project Category OO1: Ensure Safe and Reliable National Road System					
7. P/A/P Network Development - Construction of Missing Links/ New Roads					
8. Operating Unit Central Office			18. Operating Unit (Change subject to DBM approval) Central Office		
9. Type of Work (Enter Details for all Components below)			19. Type of Work (Enter Details for all Components below)		
Component ID	Type of Work		Component ID	Type of Work	
ROW	ROW Acquisition		ROW	ROW Acquisition	
CW3	Construction of Road Slope Protection Structure		CW3	Construction of Road Slope Protection Structure	
CW1	Construction of Gravel Road		CW1	Construction of Gravel Road	
EAO			EAO		
CW2	Construction of Concrete Road		CW2	Construction of Concrete Road	
CW4	Construction of Concrete Bridge		CW4	Construction of Concrete Bridge	
10. PROJECT DESCRIPTION (as recorded in GAA) Network Development - Construction of Missing Links/ New Roads: Taloy Norte Jct. - San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet			20. PROJECT DESCRIPTION (of the revised project) Network Development - Construction of Missing Links/ New Roads: Taloy Norte Jct. - San Pascual Brgy. Hall Jct. (Section 7 of BLISTT Outer Ring Circumferential Road) incl. ROW, Bridge and Slope Protection, Tuba, Benguet		
11. ALLOTMENT (P'000) (as recorded in GAA) 150,000			21. REVISED ESTIMATED COST (P'000) 150,000		22. CAF (To be obtained from Financial Management office) <input checked="" type="checkbox"/> YES
12. PHYSICAL TARGET (Enter Details for all Components below)			23. PHYSICAL TARGET (Enter Details for all Components below)		
Component ID	Target	Target Unit	Component ID	Target	Target Unit
ROW	<u>7,500</u>	Square Meters (m2)	ROW	1,500	Square Meters (m2)
CW3	<u>5,033</u>	Square Meters (m2)	CW3	4,968	Square Meters (m2)
CW1	<u>4.984</u>	Lane Km	CW1	1.7299	Lane Km
EAO			EAO		
CW2	<u>2.486</u>	Lane Km	CW2	2.4731	Lane Km

Form for Project Modification Request

CW4	443.60	Square Meters (m2)	CW4	443.61	Square Meters (m2)
13. UNIT COST (Enter Details for all Components below)			24. UNIT COST (Enter Details for all Components below)		
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
7ROW	7,500	1.00	ROW	1,500	1.00
CW3	45,750	9.09	CW3	29,351.49146	5.91
CW1	9,631.579	1,932.50	CW1	36,531.39327	21,117.63
EAO	5,250		EAO	5,250	
CW2	62,605.263	25,183.13	CW2	41,937.37341	16,957.41
CW4	19,263.158	43.42	CW4	35,429.74186	79.87
14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014) Tuba, Benguet			25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete Annex A for national road projects) Tuba, Benguet .		
Start X	16.38898	End X	16.40796	Start X	16.38898
Start Y	120.46001	End Y	120.49483	Start Y	120.46001
15. ROAD CLASSIFICATION (if applicable)			26. ROAD CLASSIFICATION (if applicable)		
16. IMPLEMENTING OFFICE (Record the Implementing Office of the original project) DPWH-CAR, Regional Office			27. IMPLEMENTING OFFICE (Record the Implementing Office of the proposed revised project) DPWH-CAR, Regional Office		
17. PROJECT IMPLEMENTATION PLAN (PIP)			28. PROJECT IMPLEMENTATION PLAN (PIP)		
Planned Start Date	06/02/2018	Planned End Date	18/11/2018	Planned Start Date	06/02/2018
				Planned End Date	18/11/2018
			29. OVERLAP?		30. UNDER WARRANTY?
			<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO <input type="checkbox"/> 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)

ADJUSTMENTS

PHYSICAL TARGET : Slope Protection: 65 Sq.M. /1.29% (Decrease)
Road Opening: 3.2541 Lane-Kms./65.29% (Decrease)
Road Concreting: 0.129 Lane-Kms./0.52% (Decrease)

ALLOCATION and UNIT COST: ROW: P6,000,000/80% (Decrease)

Slope Protection: P16,398,508.54/35.84% (Decrease) | P3,180/34.98% (Decrease)
Road Opening: P26,899,814.27/279.29% (Increase) | P19,185,130/992.76% (Increase)
Road Concreting: P20,667,889.59/33.01% (Decrease) | P8,225,720/32.66% (Decrease)
Bridge: P16,166,583.86/83.92% (Increase) | P36,450/83.95%

The correct alignment of the proposed road was established during the survey thereby reducing the cost for ROW. However, the actual survey also revealed the true length of the proposed bridge and the actual length of the road to be opened in order to link to the corrected road alignment. Considering the close proximity of aggregates, the unit cost for slope protection and road concreting is reduced. Also, the decrease in unit cost for road concreting is due to the consideration of slope protection structures as a separate component in the contract. Still, the allocation for slope protection involves only the most critical areas resulting in decrease of the physical target. The increase in the unit cost of Gravel Road is due to the massive excavation/ earthworks to attain the required minimum design of 18% grade for mountainous areas resulting to the cut of the mountain slopes with depths ranging 10-20 meters. Furthermore, the increase in the unit cost of the bridge is due to the inclusion of massive abutment protections such as Cribwall, Gabions, Stone Masonry and Hand laid Rock Embankment for the bridge abutments for protection against scouring and for increasing the stability of the slope where that abutments are to be founded. Moreover, the height of columns of the bridge also needs to be constructed at a higher elevation in order to jibe with the finished grade elevation of its road approaches.

Form for Project Modification Request

33. GEOTAGGED PHOTOS SUBMITTED

☐ NO ☒ YES

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

☐ NO ☒ YES

35. PREPARED BY:

Name:

ROSALYN B. PASCUA

Position:

OIC Chief - Planning Section

Office:

DPWH-CAR, Regional Office

Date:

36. REVIEWED BY DISTRICT OFFICE (If Required)

Name:

Position:

Date:

38. REVIEWED BY REGIONAL OFFICE

Name:

ANGELITA B. MABITAZAN

Position:

Chief of Planning Division

Date:

37. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name:

Position:

Date:

39. RECOMMENDED BY REGIONAL OFFICE

Name:

NERIE D. BUENO, CESO IV

Position:

Regional Director

Date:

40. DPWH CENTRAL OFFICE ONLY

Primary Reason for Request:

Choose an item.

Date:

Click here to enter a date.

Form for Modification Request

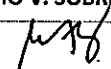
UACS (Unified Account Code Structure as defined in GAA)

310205100166000

40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS USE ONLY

Category of Modification (choose one)	<input type="checkbox"/> Category One –Typographical Errors <input checked="" type="checkbox"/> Category Two – Change in Station Limits, due to increase or decrease in budget <input type="checkbox"/> Category Three – Change in Location <input type="checkbox"/> Modification does not comply with DBM Categories
Primary Reason for Request: (choose one)	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Change in Work Station Limits <input type="checkbox"/> Change in Implementing Office <input checked="" type="checkbox"/> Additional or change work items(e.g. Inclusion of slope required protection) <input type="checkbox"/> Project Allotment more than required </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Change in Target <input type="checkbox"/> Change in Operating Unit <input type="checkbox"/> Typographical Error <input type="checkbox"/> Insufficient Funds to complete project <input type="checkbox"/> ROW unavailable <input type="checkbox"/> Other </div> </div>

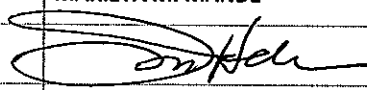
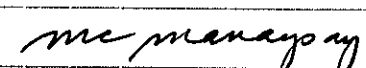
Reviewed by Office of the Undersecretary for Operations

Name:	ANTONIO V. SOBREVINAS, JR.
Signature	
Position:	Project Manager II
Date:	3/14/18

41. DPWH PLANNING SERVICE OFFICE USE ONLY

Category of Modification (choose one)	<input type="checkbox"/> Category One –Typographical Errors <input type="checkbox"/> Category Two – Change in Station Limits, due to increase or decrease in budget <input type="checkbox"/> Category Three – Change in Location <input type="checkbox"/> Modification does not comply with DBM Categories
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Reviewed by Planning Service

Name:	MARIETA M. MANDE	Name:	MILAGROS C. MANAYSAY
Signature		Signature:	
Position:	CAR - Regional Coordinator	Position:	Chief of Programming Division
Date:	3/15/18	Date:	3/15/18