



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

March 29, 2017

**MEMORANDUM**

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

This has reference to the memorandum dated March 22, 2017 from **OIC-Asst. Regional Director Alberto N. Gahid, DPWH-CAR**, forwarding the request of **District Engineer Domingo A. Enciso**, Upper Kalinga DEO, for modification of the project listed below:

| LOCA<br>TION                    | UACS No.: 165003014500168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Project Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Physical Target/ Cost                                 |                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
|                                 | As per GAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | As modified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Original                                              | New                                                   |
| Tinglayan and Lubuagan, Kalinga | MFO 1 – National Road Network Services – Asset Preservation of National Roads – Rehabilitation/Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Secondary – Mt. Province Bdry – Calanan – Pinukpuk-Abbut Road: LO421+100 – KO421+120, KO421+210 – KO421+240, KO422+600 – KO422+645, KO433+850 – KO433+895, KO435+320 – KO435+357, KO439+280 – KO439+360, KO439+965 – KO439+987, KO443+457 – KO443+537, KO446+800 – KO446+880, KO446+900 – KO446+950, KO447+830 – KO447+861, KO448+750 – KO448+810, KO449+750 – KO449+810, KO452+015 – KO452+110.6, KO454+450 – KO454+483, KO457+137 – KO457+157, KO458+748 – KO458+842, KO460+420 – KO460+461, KO461+027 – KO461+045, KO461+700 – KO461+725, KO462+400 – KO462+425<br><br>[Const. of Road Slope Protection Structure] | MFO 1 – National Road Network Services – Asset Preservation of National Roads – Rehabilitation/Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Secondary – Mt. Province Bdry – Calanan – Pinukpuk-Abbut Road: LO421+193 – KO421+214, KO422+600 – KO422+645, KO423+284 – KO423+298, KO435+396.61 – KO435+419.61, KO435+320 – KO435+357, KO438+561 – KO438+620, KO438+709 – KO438+780, KO439+109 – KO439+195, KO439+965 – KO439+987, KO443+403.22 – KO443+457, KO446+900 – KO446+935, KO446+450 – KO446+500, KO447+825 – KO447+835.45, KO448+750 – KO448+810, KO449+417 – KO449+450, KO452+015 – KO452+110.6, KO463+554 – KO463+624, KO457+157 – KO457+170, KO458+760 – KO458+790, KO460+420 – KO460+461, KO461+027 – KO461+045, KO461+700 – KO461+725, KO462+400 – KO462+425<br><br>[Const. of Road Slope Protection Structure] | 5,024.50 m <sup>2</sup> / 4,747.53 m <sup>2</sup>     |                                                       |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Unit Cost ('000):</b><br>P8,538.96/ m <sup>2</sup> | <b>Unit Cost ('000):</b><br>P9,037.12/ m <sup>2</sup> |
|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Alloc. ('000):</b><br>P42,904.00                   | <b>Est. Cost ('000):</b><br>P42,904.00                |

**Reason/s for Modification:** Modification was sought due to **change in station limits** and **decrease in physical target** since per actual field validation and survey of the original stations, some sections must be transferred to ~~a~~ new sections identified as critical along the same road line due to the following reasons: (i) *funded under FY2016 Calamity Fund* and (ii) *within the station limit of the road upgrading (gravel to paved) funded under FY2017 GAA*. Further, there was an **increase in unit cost** due to **change of design structure** from grouted riprap slope protection to Reinforced Concrete Retaining Walls to suit actual field condition

Based on our evaluation on the submitted documents, the request for modification on the above-listed project was found in order, thus, approval is hereby recommended to the Honorable Secretary.

  
**ROMEO S. MONO, CESO I**  
Undersecretary for Luzon Operations

  
**APPROVED/DISAPPROVED:**

  
**MARK A. VILLAR**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



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