



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

12 May 2017

**MEMORANDUM**

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

Respectfully submitted is Memorandum dated 25 April 2017 of **OIC-Regional Director ALLAN S. BORROMEO** of DPWH-XI, requesting for approval of the Modification of Project to be implemented by the said region under the FY 2017 GAA in the prescribed form (2017, version 2.1), to wit:

FROM	TO
<p><b>MFO 1 – National Road Network Services:            Asset Preservation of National Roads -            Rehabilitation/ Reconstruction of            National Roads with Slips, Slope            Collapse, and Landslide - Secondary</b></p> <p>Construction of Road Slope Protection            Structure Including Off-Carriageway            Improvement: Shoulder Paving/Construction            – Davao-Sarangani Coastal Rd (Malalag-            Malita-Jas-G),            K1663 + 225 – K1663 + 590,            K1656 + 216 – K1657 + 526,            K1658 + 279 – K1659 + 000</p> <p><b>Allocation :</b>  <b>Total = P 143.054 Million</b>            Construction of Road Slope Protection            Structure = P113.685 Million            Shoulder Paving/Construction = P29.369            Million</p> <p><b>Physical Target :</b>            Construction of Road Slope Protection            Structure = 7,300 sq.m.            Shoulder Paving/Construction =12,414 sq.m.</p> <p><b>Unit Cost :</b>            Construction of Road Slope Protection            Structure = P15,573.29/lane km            Shoulder Paving/Construction            = P2,365.80/sq.m.</p>	<p><b>MFO 1 – National Road Network Services:            Asset Preservation of National Roads -            Rehabilitation/ Reconstruction of            National Roads with Slips, Slope            Collapse, and Landslide - Secondary</b></p> <p>Rehabilitation/Reconstruction of National            Road with Slips, Slope Collapse and Landslide            along Davao-Sarangani Coastal Road            (Malalag-Malita-JAS-Glan Road) including            Paving of Shoulder (Talagutong-Section),            Davao Occidental            K1656 + 216 – K1657 + 526,            K1658 + 279 – K1659 + 000,            K1663 + 225 – K1663 + 590,</p> <p><b>Allocation :</b>  <b>Total = P 143.054 Million</b>            Construction of Road Slope Protection            Structure = P81,054,406.36 Million            Shoulder Paving/Construction =            P61,999,593.64 Million</p> <p><b>Physical Target :</b>            Construction of Road Slope Protection            Structure = 2,857.68 sq.m.            Shoulder Paving/Construction =12,186 sq.m.</p> <p><b>Unit Cost :</b>            Construction of Road Slope Protection            Structure = P 28,363.71 /lane km            Shoulder Paving/Construction            = P5,087.77 /sq.m.</p>

**JUSTIFICATION:**

There is no change in project limits, only physical targets as per designed.

Decrease in physical target from 7,300 sq.m. to 2,857.68 sq.m. for slope protection as per actual need and design (height of structure), however, the original length (365 lm) for construction of slope protection is the same. There is considerable unit cost for slope protection due to the design used [O-piles (steel sheet piles) and catch wall]. The original design was only retaining wall/catch wall, however, was changed to said structures inasmuch as portion of the road traverses the coastal area. Hence, there was a need for slope protection not only to prevent erosion but also slope protection structure that would serve as a coastal defense that would dissipate and prevent strong waves from reaching the national road and protect the travelling public. Attached is a typical drawing of the slope protection structures [O-piles (steel sheet piles) and catch wall].

Decrease in physical target from 12,414 sq.m. to 12,186 sq.m. for paving of shoulders as per designed, however, all the original limits for paving were covered. There is considerable unit cost for paving of shoulders due to earthworks (excavation) inasmuch as portions of the road traverse rolling terrain.

Attached are the required documents, such as Evaluation Form (2017 version 2.1), Program of Work (POW), Straight Line Diagram, Geotagged Photos, BP202 and Certificate of Availability of Funds(CAF).

In view of the above, the request for Modification of the Project is respectfully recommended for consideration and approval.

  
**DIMAS S. SOGUILON, CESO II**

Assistant Secretary for Mindanao Operations

**APPROVED/DISAPPROVED:**

**MARK A. VILLAR**  
Secretary

  
**RAFAEL C. YABUT**  
Senior Undersecretary  
Officer-In-Charge

3.5 IMM/LCA/DSS

Department of Public Works and Highways  
Office of the Secretary



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