



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

24 April 2017

MEMORANDUM

FOR : MARK A. VILLAR
Secretary
This Department

Respectfully submitted is the Memorandum dated 31 March 2017 of **Assistant Regional Director Zenaida T. Tan** 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
MFO 1 – National Road Network Services	MFO 1 – National Road Network Services
Network Development- Network Development - Construction of By-Passes/ Diversion Roads, including ROW	Network Development- Network Development - Construction of By-Passes/ Diversion Roads, including ROW
Construction/Rehabilitation of Concrete Road, Construction of Concrete Bridge and Construction of Road Slope Protection Structure – By-Pass Road at Jct. Davao City Diversion Road-Tigatto Road-Jct. Davao City Diversion Road including Bridge and ROW, Davao City (SITE A)(Package 3)	Construction/Widening/Improvement of Bypass Road at Jct. Davao City Diversion Road-Tigatto Road-Jct. Davao City Diversion Road Including Construction of Davao River Bridge II and RROW, Davao City (SITE A) (Package 3)
Allocation : P 267.107 Million	Allocation : P 267.107 Million
Const. of Concrete Road = P 53,027,000	Const. of Concrete Road = P 32,479,153.90
Rehab. of Concrete Road = P 2,080,000	Rehab. of Concrete Road = P 62,770,709.18
Const. of Concrete Bridge = P 144,000,000	Const. of Concrete Bridge = P 122,094,231.39
Const. of Road Slope Protection Structure = P 62,000,000	Const. of Revetment = P 43,762,905.51
ROW Acquisition = P 6,000,000	ROW Acquisition = P 6,000,000.00
Physical Target:	Physical Target:
Const. of Concrete Road = 0.92 lane km	Const. of Concrete Road = 0.8796 lane km
Rehab. of Concrete Road = 0.08 lane km	Rehab. of Concrete Road = 1.408 lane km
Const. of Concrete Bridge = 1,144.8 sq.m.	Const. of Concrete Bridge = 1,147.47 sq.m.
Const. of Road Slope Protection Structure = 6,000 sq.m.	Const. of Revetment = 370 lineal meters
ROW Acquisition = 4,500 sq.m.	ROW Acquisition = 4,500 sq.m.
Unit Cost	Unit Cost
Const. of Concrete Road = P 57,638,043.48/ lane km	Const. of Concrete Road = P 36,924,913.48/ lane km
Rehab. of Concrete Road = P 26,000,000.00/ lane km	Rehab. of Concrete Road = P 44,581,469.59/ lane km
Const. of Concrete Bridge = P 125,786.16/ sq.m.	Const. of Concrete Bridge = P 106,402.98/ Sq.m.
Const. of Road Slope Protection Structure = P 10,333.33/ sq.m.	Const. of Revetment = P 118,278.12/ lineal meters
ROW Acquisition = P 1,333.33/ sq.m.	ROW Acquisition = P 1,333.33/ sq.m.

JUSTIFICATION:

There are changes in the physical targets based on the designed alignment of the road (concrete road: from 0.92 to 0.8796 lane km; rehab. of road: from 0.08 to 1.408 lane km; and bridge = 1,144.8 to 1,147.47 sq.m.).

There is considerable cost for reconstruction due to massive embankment to conform with the DPWH Design Guidelines and Standards (improvement of vertical alignment, raising of roadway elevation) especially at the portion of the road going to the bridge. In addition, the design width for reconstruction is 10 m instead of the original proposal of 6.7 m to suit actual field requirements and provide better mobility and improve traffic flow. Moreover, scopes of work involves construction of sidewalk, curb, gutter and drainage structures (mostly 1200 mm dia.) and provision of thermoplastic pavement markings and metal guardrails.


The scopes of work needed for the road section/alignment of the road involves construction of revetment instead of road slope protection, hence, change in project component. The construction of revetment shall not only protect the road and the bridge along the area but also the residents of the locality from flooding. Considerable cost for revetment due to design (with steel sheet piles). Attached is a typical drawing of the revetment.

Attached are the required documents, such as Evaluation Form (2017 version 2.1), BP 202, Certificate of Availability of Funds (CAF), Approved Program of Work, and Geotagged photographs.

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


RAFAEL C. YABUT
Senior Undersecretary
Visayas and Mindanao Operations

APPROVED/DISAPPROVED:


MARK A. VILLAR
Secretary

3.5IMM/LCA/DSS

Department of Public Works and Highways
Office of the Secretary



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