



20 OCT 2016

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

097.13 DPWH
10-24-2016

DEPARTMENT ORDER)
NO. **207**)
Series of 2016)

SUBJECT: ADOPTION OF THE BRIDGE
CONSTRUCTION COST ESTIMATION
MANUAL (BCCEM)

In line with the Department's Quality Policy to implement projects at the right cost, all concerned Implementing Offices are hereby directed to adopt the herein **Bridge Construction Cost Estimation Manual (BCCEM)** in the determination of the unit cost of Pay Items of Work involved in the construction, upgrading and repair/reconstruction/rehabilitation of bridge structures.

This Manual aims to enhance the technical capability of engineers in the preparation and review of Program of Works (POW) and Approved Budget for the Contract (ABC), and to establish consistency in the format of presentation and uniformity in estimating materials cost, labor cost, and equipment rental rates.

This Order likewise serves to supplement the implementation of Department Order No. 163, Series of 2015, regarding "Standard Forms of Program of Works (POW), Approved Budget for the Contract (ABC) and Detailed Unit Price Analysis (DUPA)."

This Order shall take effect immediately.

ROMEO S. MOMO, CESO I
Undersecretary for Luzon Operations
Officer-In-Charge

6.1.1: AMD/WRO/RCA
Proposed D.O. for DEO/ct

Department of Public Works and Highways
Office of the Secretary



WIN6W01966

FOREWORD

To ensure uniformity in quantity take-off and the derivation of unit cost in estimating DPWH projects, three (3) manuals were prepared to serve as guidelines and/or reference materials to DPWH estimators. These manuals are:

- Road Construction Cost Estimation Manual
- Bridge Construction Cost Estimation Manual
- Building Construction Cost Estimation Manual

The objective of these cost estimation manuals is to establish unit costs using standard cost sheets for all pay items of work in the DPWH Standard Specifications for Highways, Bridges and Airports, Volume II (Blue Book).

This volume, Bridge Construction Cost Estimation Manual, covers items of works in the construction, reconstruction/replacement and repair/retrofitting of bridges. It serves as guide to engineers and heads of DPWH Implementing Offices in the preparation and review of Program of Works (POW) and Approved Budget for the Contract (ABC).

The standard cost sheets (or Detailed Unit Price Analysis) for the items of work included herein were formulated by the Bureau of Construction in collaboration with Regional Offices and District Engineering Offices. The adoption of these updated cost sheets throughout the Department will ensure consistency in the format of presentation and uniformity in estimating materials cost, labor costs and equipment rental rates.

It is hoped that this manual shall help sustain the DPWH's commitment of ensuring that projects are implemented at the right cost.


ROGELIO L. SINGSON
Secretary

Department of Public Works and Highways
Office of the Secretary



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