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Republika ng Pilipinas  
**KAGAWARAN NG PAGAWAIN AT LANSANGANG PAMBAYAN**  
**TANGGAPAN NG KALIHIM**  
Maynila

MAR 29 2004

**DEPARTMENT ORDER)**

NO. 47 )  
Series of 2004 *Group 3-29-04*

**SUBJECT: Implementation  
of the Bridge  
Management  
System (BMS)**

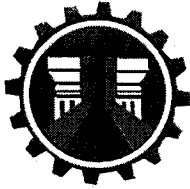
In line with the Department's objective to implement procedures and applications to improve the efficiency and performance of the DPWH, the Bridge Management System (BMS) is to be adopted as the official procedures or system to monitor the condition of bridges on national roads and to develop programs for the major maintenance, upgrading and replacement of bridges requiring intervention to provide the required level of service. The BMS shall replace other systems that are currently used to monitor the condition of bridges and/or the development of bridgework programs.

The policies to be adopted in relation to the implementation of the BMS include, but are not limited to:

1. The BMS will be implemented and maintained for all national bridges;
2. The BMS will be fully integrated into the DPWH overall planning process;
3. The DPWH will provide the necessary funding in the DPWH budget to implement and maintain the BMS;
4. A specific funding allocation will be provided in the DPWH budget for a major maintenance program to repair deteriorated national bridges; and
5. The design and implementation of major maintenance to national bridges should be certified by responsible or authorized engineers (those who undertake BMS training) as complying with DPWH standards, guidelines and other requirements.

The principal activities within the BMS include, but are not limited to:

1. Annual condition inspection survey of all national bridges,
2. Updating bridge condition information,
3. Analyzing bridge condition data to determine the need for bridge major maintenance, upgrading and replacement, and
4. Preparation of prioritized major maintenance and network development programs to address the needs of bridges.



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All data for the operation of the BMS shall be stored in the Road and Bridge Information Application (RBIA) in accordance with RBIA requirements.

The operation of the BMS shall be the responsibility of the Development Planning Division (DPD) and the Infrastructure Planning Research and Statistics Division (IPRSD) both of the Planning Service and the Regional Office Maintenance Divisions. The roles and responsibilities of these offices include but are not limited to:

**DPD**

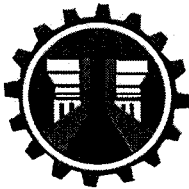
- Coordinating and supervising bridge condition surveys to ensure the accuracy and timeliness of bridge condition data;
- Analyzing annual bridge condition survey data to determine the condition of bridges on national roads and assessing the need for asset preservation and network development works to bridges, to maintain the bridge stock;
- Reviewing the bridge stock and determining the need for network development works for reasons other than bridge deterioration;
- Preparation of bridge major maintenance and network development programs on an annual basis to present prioritized programs for bridge preservation and betterment;
- Delivering programs to agreed schedules and deadlines;
- Providing National, Regional and Engineering District Bridge Key Performance Indicators to meet user needs;
- Providing reports on the national bridges to meet user needs; and
- Maintenance and dissemination of procedural manuals.

**IPRSD**

- Overseeing the roles of the Regions in the collection of bridge condition data, and ensuring the accuracy and timeliness of bridge condition data.

**Regional Offices**

- Maintaining a pool of accredited bridge inspectors sufficient and efficient to undertake the required annual bridge condition surveys of all bridges in the Region;



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- Coordinating and managing annual bridge condition surveys and engineering inspections in the Region;
- Undertaking annual bridge condition surveys in the Region; and
- Undertaking engineering inspection of all bridges with defects in the Region as required.

Implementation of the BMS shall be effected through a phased strategy as detailed below:

Phase 1: Pilot BMS in DPD, IPRSD and Regions III, VI and VII from January to October 2004.

Phase 2 Full Implementation of BMS in all Regions from October 2004 onwards following the extension of the DPWH Wide Area Network (WAN) into all the regions.

This order shall supersede all previous Department Orders and other issuances or portions thereof inconsistent herewith, and shall take effect in accordance with the phased implementation plan stated above.

  
**FLORANTE SORIQUEZ**  
Acting Secretary