



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

097.12 DPWH  
12-31-2010

DEC 11 2010

**SPECIAL ORDER**

No. **307**

Series of 2010 *12-31-10*

**SUBJECT : CREATION OF INSPECTORATE AND ADVISORY TEAM FOR THE CONDUCT OF BRIDGE ENGINEERING INSPECTION (TYPE 3)**

In order to effectively manage the national bridge stock, an inspectorate and advisory team is hereby created to conduct the Bridge Engineering Inspections as follows :

**INSPECTORATE TEAM**

**BMS Coordinators**

Regional Office Concerned

- Team Leader

**Accredited Bridge Inspectors**

District Engineering Office Concerned

- Member

The scope of work to be undertaken are as follows :

- Confirm the results of bridge condition inspection (defects with a condition state of 2 or 3);
- Undertake additional investigations necessary for defect evaluation including physical testing and/or structural analysis (in accordance with the DPWH design guidelines), and to document the observed defects with sufficient information for future design of required major maintenance works;
- Assess the current bridge structural condition, behavior (strength and seismic vulnerability) and safe load capacity;
- Assess the rate of deterioration and residual life expectancy;
- Test and evaluate the strength or quality of the materials;
- Submit Bridge Engineering Inspection Report to the Advisory Team; and
- Uploading of the Bridge Engineering Inspection Report into RBIA.

The Bridge Engineering Inspection Report shall include recommendations such as :

- a. Immediate remedial measure/action
- b. Access, restrictions, including load speed limits, vehicle paths or number of lanes and detour if applicable
- c. Further investigation, testing and structural analysis
- d. Further inspection and monitoring
- e. Load limit

## ADVISORY TEAM

**BMS Manager/Bridge Inspector**  
Planning Service (PS)

- Team Leader/Lead Office

**Bridge Design Engineer**  
Bureau of Design (BOD)

- Member

**Materials Engineer**  
Bureau of Research and Standards (BRS)

- Member

**Maintenance Engineer**  
Bureau of Maintenance (BOM)

- Member

**Bridge Engineer**  
Office of the Assistant Secretary Emil K. Sadain

- Member

The tasks/activities to be undertaken are as follows :

- Review, analyze and assess the submitted Bridge Inspection Reports of the inspectorate team;
- Provide the requirements (i.e. expertise, skilled personnel, equipment, etc.) to the inspectorate team if necessary;
- Supervise/Monitor the activities of the inspectorate team; and
- Submit findings and/or recommendations to the Assistant Secretary for Planning and PPP for appropriate action necessary for the success of the operations of the Bridge Management System (BMS).

This Order supersedes all previous Department Orders and other issuances or portions thereof which are inconsistent, and shall take effect immediately.



**ROGELIO L. SINGSON**

Secretary



WIN0Q09897