



21 MAR 2018

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

097.13 DPWH  
03.26-2018

DEPARTMENT ORDER )  
NO. **54** )  
Series of 2018 )

**SUBJECT: UPDATED STANDARD PLANS FOR  
SINGLE SPAN BRIDGES AND  
ALTERNATIVE BRIDGE RAILINGS**

In line with the issuance of Department Order No. 179 series of 2015, re: DPWH Design Guidelines, Criteria and Standards (DGCS), 2015 Edition; updated standard plans for the design of single span bridges and alternative bridge railings are now available for reference.

The issuance of these standard plans aims to ensure the safety, cost effectiveness and development of high quality design of bridges adapting to the industry's best practice in structural design. The said plans shall serve as guide for District Engineering Offices, Regional Offices, Project Management Offices and Engineering Consultants in the preparation of bridge plans based on the revised guidelines.

The updated standard plans consist of three (3) sets, covering the design details, design criteria, material and construction specifications, as follows:

- Set 1 - Alternative Bridge Railings
  - 9 types
- Set 2 - Single Span Reinforced Concrete Deck Girder (RCDG) Bridge
  - 15 - meter span
  - 18 - meter span
  - 20 - meter span
- Set 3 - Single Span Pre-stressed Concrete Deck Girder (PCDG) Bridge
  - 20 - meter span
  - 25 - meter span
  - 30 - meter span
  - 35 - meter span
  - 40 - meter span

The aforementioned plans may be downloaded from the DPWH Intranet (<http:dpwhnet>) under Bureau of Design - Standard Plans.

**MARK A. VILLAR**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



WIN8R01458