



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

097.13 DPWH  
06-27-2016

DEPARTMENT ORDER )  
No. **133** )  
Series of 2016 )

SUBJECT: **AMENDMENTS TO DPWH STANDARD SPECIFICATIONS FOR ITEM 311 – PORTLAND CEMENT CONCRETE PAVEMENT**

In support of the Philippine Government's intent to reduce Greenhouse Gas (GHG) emission and contribute to addressing climate change, **Item 311 – Portland Cement Concrete Pavement (PCCP)**, specifically on Section 311.2.1 Portland Cement, is hereby amended for the guidance and compliance of all concerned, as follows:

**311.2 Material Requirement**

**311.2.1 Portland Cement**

It shall conform to the applicable requirements of Item 700, Hydraulic Cement. *Portland Cement Type I meeting the requirements of AASHTO M 85 (ASTM C 150 M) – Standard Specification for Portland Cement, shall be used unless otherwise provided for in the Special Provisions.*

*Portland-Pozzolan Cement Type IP meeting the requirements of AASHTO M 240M – Standard Specification for Blended Hydraulic Cement / ASTM C 595 – Standard Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement, shall be allowed for use.*

*For both Portland Cement Type I and Portland-Pozzolan Cement Type IP, trial mixes shall be done and shall meet the specification requirements for concrete. The AASHTO/ASTM provisions pertinent to the use of Portland-Pozzolan Cement Type IP shall be adopted.*

*Different brands or the same brands from different mills shall not be mixed nor shall they be use alternately unless the mix is approved by the Engineer.*

Cement which for any reasons, has become partially set or which contains lumps of caked cement *shall* be rejected. Cement salvaged from discarded or used bags shall not be used.

Samples of cement shall be obtained in accordance with *AASHTO R 71 (ASTM C 183M) – Standard Practice for Sampling and Amount of Testing of Hydraulic Cement.*

The amended Specification shall form part of the DPWH Standard Specifications for Highways, Bridges and Airports, Volume II, 2012 Edition.

This Order shall take effect immediately.

  
**ROGELIO L. SINGSON**  
Secretary