



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
MANILA

097.13 DPWH

09-01-2009

SEP 01 2009

DEPARTMENT ORDER)

NO. 39)
Series of 2009 09.01.09)

SUBJECT : **Mandatory Use of a Minimum Design
Thickness of 50 mm (2 inches) in
Asphalt Overlay Projects**

It has been observed that some Regional, District and Project Management Offices of the Department are using a design thickness of less than 50 mm (2 inches) in their asphalt overlay works/projects which is contrary to the provision of Subsection 307.3.10 under Item 307 – Bituminous Plant – Mix Surface Course – General of the 2004 DPWH Standard Specifications, Volume II (Blue Book). Likewise, based on empirical studies and actual observations in the field, the use of less than 50 mm (2 inches) design thickness, among other design factors and considerations, has a detrimental effect on the structural stability/durability of the asphalt overlay, and the same is more prone to premature cracking, potholes, peeling-off, among other defects, thereby affecting the smooth riding surface of the asphalt pavement.

In view hereof, in order to standardize and further ensure the highest quality of work in all asphalt road projects, all Heads of the Project Implementing Offices of the Department are hereby directed to adopt a minimum design thickness of 50 mm (2 inches) in their asphalt overlay projects in accordance with the above-mentioned provision of the DPWH Standard Specifications for Highways, Bridges and Airports, Volume II, 2004 Edition.

This Order takes effect immediately.

For strict compliance.

HERMOGENES E. EBDANE, JR.
Secretary



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