

DESIGN BULLETIN #15/2003

Pavement Design Manual - Revisions Recommended Minimum Thickness First Stage Asphalt Concrete Pavement

Summary: This design bulletin is being issued as an addendum to Alberta Transportation's Pavement Design Manual (June 1997). Here included are new Design ESAL criteria and minimum thickness of 1st Stage ACP that is to replace that currently listed in the Pavement Design Manual. The changes contained in this bulletin are a result of recently observed performance characteristics on some of the first stage paving projects.

Implementation of Bulletin:

These new minimum thickness design criteria shall apply to all base and paving projects to be constructed in 2004 and beyond.

New Design Criteria:

Section 8.4.4 of the Pavement Design Manual addresses the selection of minimum ACP thickness for the first stage pavement structure as a function of Design ESALs. The following Table replaces Table 8.5 contained in the Pavement Design Manual.

Design ESALs ($\times 10^6$)	Minimum Thickness of 1st Stage ACP
< 1.0	60 mm
1.0 to < 3.0	80 mm
3.0 to < 5.0	100 mm
5.0 to 10.0	120 mm
>10.0	130 mm

Contacts:

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