



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

Memorandum

To: Distribution
From: Paul Ferry, P.E.
Highways Engineer
Date: February 9, 2009
Subject: Modified Surfacing Design Requirements

The attached memo shows the revised minimum asphalt pavement surfacing sections for various ranges of ESALs as determined by the Materials Bureau. These guidelines only apply to reconstruction and major rehabilitation projects.

The revised pavement thicknesses should be utilized on all projects submitted to the checkers after June 2009. We request that you review the projects that will be submitted to the checker before June to determine if you can implement the new guidelines without jeopardizing project delivery.

If you have questions concerning this, please contact me at 444-6244.

Pf.

Attachment

Distribution:

James Walther,	Preconstruction Engineer	w/attachment
Kevin Christensen,	Construction Engineer	“
Matt Strizich,	Materials Engineer	“
Lesly Tribelhorn,	Highways Design Engineer	“
Damian Krings,	Road Design Engineer	“
Tim Conway,	Consultant Design Engineer	“
Duane Williams,	Traffic & Safety Engineer	“
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Shane Stack ,	Missoula District Engineering Services Supervisor	“
Steve Prinzing,	Great Falls District Engineering Services Supervisor	“
John Cornell,	Road Plans Checker	“
Kevin Farry,	Road Plans Checker	“
Bryan Vieth,	Consultant Design Bureau	“
Chris Clearman,	Contract Plans Bureau	“



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 PO Box 201001
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Memorandum

To: Distribution

From: Loran Frazier, PE, Chief Engineer 

Date: January 30, 2009

Subject: Modified Surfacing Design Requirements

MDT's surfacing design guidelines were recently reviewed and the following revisions to the minimum pavement surfacing sections are being implemented through this memo. Changes are in bold.

<u>ESAL's (Daily)</u>	<u>Plant Mix Thickness</u>
> 300	0.40 - 0.50 ft (120 - 150mm)
200 - 300	0.30 - 0.40 ft (90 - 120mm)
26 - 200	0.30 ft (90mm)
10 - 25	0.25 ft (75mm)
< 10	0.20 ft (60mm)
<u>Other Situations</u>	<u>Plant Mix Thickness</u>
Urban Curb & Gutter	0.39 ft (120 - 150mm)
All Interstate Pavements	0.50 ft minimum (150mm minimum)

Table 1

In addition, attached is a list of projects where the surfacing design should be reevaluated using the new surfacing coefficients implemented with my May 11, 2006 memo. At that time certain projects already beyond the Scope of Work activity in the design process were excluded from making the change. Due to funding constraints some of these projects have been delayed and the surfacing sections can now be redesigned.

Changes to the surfacing section should only be implemented if they will not delay project delivery.

Please contact the Surfacing Design Unit with any questions relative to these changes.

copies:

Dwane Kailey, PE Chief Operations Officer
Kevin Christensen, PE – Construction Engineer
Jim Walther, PE – Preconstruction Engineer
Paul Ferry, PE – Highways Engineer
Tim Conway, PE – Consultant Design Engineer
Matt Strizich, PE – Materials Engineer
Jon Watson, PE- Pavement Analysis Engineer
Dan Hill, PE – Pavement Design Engineer
District Administrators
District Engineering Services Supervisors
District Construction Engineers
Mark Zitzka - FHWA