Jerry Nichols

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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cc:

MEMO TO: Jay Bennett, PE, State Roadway Design Engineer
Victor Barbour, PE, State Project Services Engineer

FROM: Judith Corley-Lay, PE, State Pavement Management Engineer Judith Corley-Lay

DATE: June 23, 2005

SUBJECT: Asphalt Pavement Lift and Layer Thickness

In response to several questions received by the Pavement Management Unit, I would like to clarify our current asphalt pavement lift and layer thickness recommendations. Our current recommendations are given in the table below:

	English (inches)		Metric (mm)	
	Single Lift Depth	Maximum Layer Depth	Single Lift Depth	Maximum Layer Depth
SF9.5A	1.0 to 1.5	3.0	25* to 40	80
S9.5X	1.5 to 2.0	3.0	40* to 50	80
S12.5X	2.0	4.0	50	100
I19.0X	2.5 to 4.0	4.0	65 to 110	110
B25.0X	3.0* to 5.5	None	75* to 140	None

* For B25.0X placed on unstablized subgrade, minimum lift thickness is 4.0" (100mm).

Please note that projects designed under the previous guidelines need not be changed.

If you have any questions, please contact me or Clark Morrison, PE, State Pavement Design Engineer, at 919-250-4094.

cc: Wiley Jones, PE

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