



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

July 14, 2023

MEMO TO: Tatia White, PE
Ryan Brumfield

MEMO FROM: Clark S. Morrison, PhD, PE
State Pavement Design Engineer

DocuSigned by:
Clark S. Morrison
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SUBJECT: Minimum Design Recommendations for Greenways

For pavement on greenways and multi-use paths, where traffic is limited to occasional use by pick-up trucks, Pavement Design recommends the following as minimum pavement designs:

<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>
1.5" S9.5B	1.5" S9.5B	4" concrete with
6" ABC	4" ABC	welded wire mesh
	Geotextile for Soil Stabilization	

The materials used in the construction of the greenway should meet the requirements given in the Special Provision titled "Greenways and Multi-Use Paths".

The Options presented above are minimum pavement designs. Thicker designs that are consistent with the practice of the municipality involved are acceptable.

If the asphalt thickness is increased to 2.0", it is recommended that the asphalt be placed in two 1.0" lifts. If S9.5C is used, it may be placed in one 2.0" lift, but to obtain adequate compaction, it is recommended that the ABC thickness be increased to 8" under Option 1, or 6" under Option 2.

Please call Clark Morrison, State Pavement Design Engineer at 919-329-4018 if you have specific questions.

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