



# City Of Raleigh

NORTH CAROLINA

**DATE:** November 14, 2013

**TO:** Engineers, Contractors, and Suppliers

**FROM:** City of Raleigh Public Works Department

**SUBJECT:** Cold Weather Limitations for placing Asphalt Mixtures

With winter approaching and cold weather to accompany, the City of Raleigh would like to take this time to reiterate its policy on cold weather limitations for placement of asphalt. The City of Raleigh's policy on cold weather limitations for placement of asphalt follows both the North Carolina Department of Transportation (NCDOT) Standard specification 610-4 (Weather, Temperature and Seasonal Limitations for producing and placing Asphalt Mixtures) which require the following:

- Asphalt mixtures shall not be placed during rainy weather, when the subgrade or base course is frozen or when the moisture on the surface to be paved would prevent a proper bond
- Asphalt mixtures shall not be placed when the air and/or surface temperature, in the shade away from artificial heat at the paving location, is less than specified in the table below:

<b>Placement Temperature for Asphalt</b>		
<b>Asphalt Concrete Mix Type</b>	<b>Minimum Air Temperature*</b>	<b>Minimum Surface Temperature</b>
B25, 0B, C (Base)	35°F	35°F
119.0B, C, D (Binder)	35°F	35°F
SF9.5A, S9.5B (Surface)	40°F	40°F
S9.5C, S12.5C	45°F	45°F
S9.5D, S12.5D	50°F	50°F

\* Air temperature to be based on National Weather Service (NWS) measured temperature for project area

- Do not place surface course material that is to be the final layer of pavement between December 15 and March 16 the next year.

Any questions regarding this policy can be directed to Kenneth Ritchie, PE, Engineering Inspections Supervisor, at (919) 996-2409.

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