



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

ROADWAY DESIGN UNIT RECEIVED FILE _____	
NOV 26 2003	
<input checked="" type="checkbox"/> MCMILLAN	<input checked="" type="checkbox"/> SYKES
<input checked="" type="checkbox"/> BREW	<input checked="" type="checkbox"/> ALLEN
<input checked="" type="checkbox"/> LOVERING	<input checked="" type="checkbox"/> GOODNIGHT
<input checked="" type="checkbox"/> HOUSER	<input checked="" type="checkbox"/> SPEER
<input checked="" type="checkbox"/> MOORE	<input checked="" type="checkbox"/> THOMAS
<input checked="" type="checkbox"/> MUMFORD	<input checked="" type="checkbox"/> WALLS
	SECRETARY POLLARD
PREPARE REPLY FOR _____ SIGNATURE	
FYI	
REVIEW/DISCUSS WITH _____	

November 25, 2003

MEMO TO: Mr. Jay Bennett, PE, State Roadway Design Engineer  
Mr. J. Victor Barbour, PE, State Design Services Engineer  
Division Engineers

FROM: Cynthia B. Perry, PE *Cynthia B. Perry*  
Plans and Standards Engineer

SUBJECT: Asphalt Binder Percentages

The Asphalt Binder Percentages used for pavement calculations have been updated per Mr. Shannon Sweitzer, PE, Pavement Construction Engineer, and Mr. Jack Cowsert, PE, State Materials Quality Engineer.

These revised percentages are effective with the April 2004 let calculations.

If you have any questions, please contact me at (919) 250-4128.

Attachment

cc: Mr. Scott D. Blevins, PE  
Mr. Randy Garris, PE  
Mr. Shannon Sweitzer, PE  
Mr. Jack Cowsert, PE

MAILING ADDRESS:  
NC DEPARTMENT OF TRANSPORTATION  
DESIGN SERVICES UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128  
FAX: 919-250-4119

WEBSITE: [WWW.DOH.DOT.STATE.NC.US](http://WWW.DOH.DOT.STATE.NC.US)

LOCATION:  
CENTURY CENTER COMPLEX  
ENTRANCE B-2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

The % and type of Asphalt Binder and rate to be used for calculation of quantities are as follows:

Mix Type	% Asphalt Binder	Asphalt Binder Grade	Rate Lbs/SY/in
<u>Surface</u>			
S4.75A	7.0	PG 64-22	100
SF9.5A	6.5	PG 64-22	110
S9.5B	6.0	PG 64-22	112
S9.5C	6.0	PG 70-22	112
S12.5C	5.5	PG 70-22	112
S12.5D	4.8	PG 76-22	112
<u>Intermediate</u>			
I19.0B	4.7	PG 64-22	114
I19.0C	4.7	PG 64-22	114
I19.0D	4.7	PG 70-22	114
OGAFC, TYPE FC-1	6.3	PG 64-22	75 Lbs/SY
OGAFC, TYPE FC-1 MODIFIED	6.3	PG 76-22	75 Lbs/SY
OGAFC, TYPE FC-2 MODIFIED	6.0	PG 76-22	90 Lbs/SY
<u>Base</u>			
B25.0B	4.3	PG 64-22	114
B25.0C	4.3	PG 64-22	114
B37.5C	4.3	PG 64-22	114
PADC, TYPE P-57	2.0	PG 64-22	90
PADC, TYPE P-78M	3.0	PG 64-22	90

NOTE: It is suggested that like pavement mixtures be grouped together in the Pavement Schedule.

REV. DATE 11/24/03 DRAFT

P2-2002-6draft