



# **CAPA 2014 Annual Meeting**

## **Construction & Materials Topics**

**Ron Hancock, PE**  
State Construction Engineer

**Chris Peoples, PE**  
State Materials Engineer

# NCDOT / CAPA Committees

## 1) Joint Technical Committee – Large Group

## 2) Joint Asphalt Committee

### CAPA Members – 2013

Skip Partington – Barnhill  
Ivan Clayton – Sharpe Brothers  
Reade Dawson – S.T. Wooten  
Jule Smith - FSC  
Wiley Roark – Maymead

### CAPA Members - 2014

Skip Partington - Barnhill  
Tim Rose – Rose Brother  
Carlton Powell – Ferebee  
Jim Russell – JTR  
George Marsh - Gelder

## 3) Specs / Training Subcommittee

### CAPA Members

David Glover - Barnhill  
Chris Croom - S. T. Wooten  
Berry Hall - Blythe  
Marvin Hylton - Apac  
Ellis Powell - CAPA

### NCDOT Members

Todd Whittington  
Nilesh Surti  
Wesley Welborn  
David Jackson  
Dan Hunter  
Ted Naylor

Connect NCDOT  
BUSINESS PARTNER RESOURCES

Home Help Site Map

Doing Business **Bidding & Letting** Projects Resources Local Governments

Search



12 Month Letting List Central Division Design Build Bridge & Culvert Private Engineering Aviation Turnpike

## 12 Month Tentative Letting list

Contract lettings for the upcoming year.

Tentative Let Dates

[Archived Let Dates](#)

March 2014 Cover Letter

March 2014 Cover Letter



March 2014 Change Summary

March 2014 Change Summary



March 2014 Change Report

March 2014 Change Report



12-Mth Letting List April 2014 - March 2015

12-Mth Letting List April 2014 - March 2015



13th Mth April 2015

13th Mth April 2015



MAY2014 BID AD

MAY2014 BID AD



Contract Resurfacing March 2014

Contract Resurfacing March 2014



DESIGN BUILD PROJECTS-REVISED

DESIGN BUILD PROJECTS-REVISED



### Letting List Documents

### Funding Process Flowcharts

Funding Process for Division POC and Bridge POC Projects Flowchart

2012-11-29 11:57:35



### For Questions About this List



**Employee Directory**

Staff contacts for *Program Management Unit*.



**Contact Form**

For questions & feedback about this area of Connect NCDOT, contact *Program Management Unit*.

### About the list

NCDOT publishes a monthly 12-Month Tentative Letting List that is used to coordinate contract lettings for the next year. Projects are closely monitored to ensure schedules are met. The 12-Month Tentative Letting List is extremely valuable to the construction industry as well as the Division of Highways construction staff for planning manpower and equipment needs. It also provides the basis for short-term budget projections.

### Contacts

David Rhodes  
Project Management Team Lead- Project Management Unit  
919-707-4639

Bill Martin, PE  
Project Management Unit Head  
919-707-4633

Majed Al-Ghandour, Ph.D., PE, CPM, MCSD, MCT

# Contract Resurfacing Let List

Contract Resurfacing 12 MLL (\$M)	FY 2014					FY 2015							
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Edgecombe Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.73	\$ -	\$ -	\$ -	\$ -	\$ -
Edgecombe Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Halifax Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.36	\$ -	\$ -	\$ -	\$ -	\$ -
Halifax Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Johnston Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.38	\$ -	\$ -	\$ -	\$ -	\$ -
Johnston Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Nash Div Let	\$ -	\$ 1.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.07	\$ -	\$ -	\$ -	\$ -	\$ -
Nash Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wayne Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.08	\$ -	\$ -	\$ -	\$ -	\$ -
Wayne Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wilson Div Let	\$ -	\$ 1.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.29	\$ -	\$ -	\$ -	\$ -	\$ -
Wilson Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Division 4</b>	\$ -	\$ 3.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22.91	\$ -	\$ -	\$ -	\$ -	\$ -
Durham Div Let	\$ -	\$ -	\$ -	\$ -	\$ 0.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Durham Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.30	\$ -	\$ -
Franklin Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Franklin Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.40	\$ -	\$ -	\$ -	\$ -
Granville Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Granville Ral Let	\$ -	\$ -	\$ -	\$ 3.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Person Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Person Ral Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.20	\$ -	\$ -	\$ -	\$ -	\$ -
Vance Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vance Ral Let	\$ -	\$ -	\$ 2.78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wake Div Let	\$ 1.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wake Ral Let	\$ -	\$ -	\$ 2.30	\$ 10.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Warren Div Let	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Warren Ral Let	\$ -	\$ -	\$ 4.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Division 5</b>	\$ 1.60	\$ -	\$ 9.08	\$ 13.80	\$ 0.27	\$ -	\$ -	\$ 5.20	\$ 3.40	\$ -	\$ 4.30	\$ -	\$ -

- <https://connect.ncdot.gov/letting/12%20Month%20Tentative%20Letting%20Library/ContractResurfacing-12MLL-Feb27-2014.pdf>

# Historical Funding for C/R Program

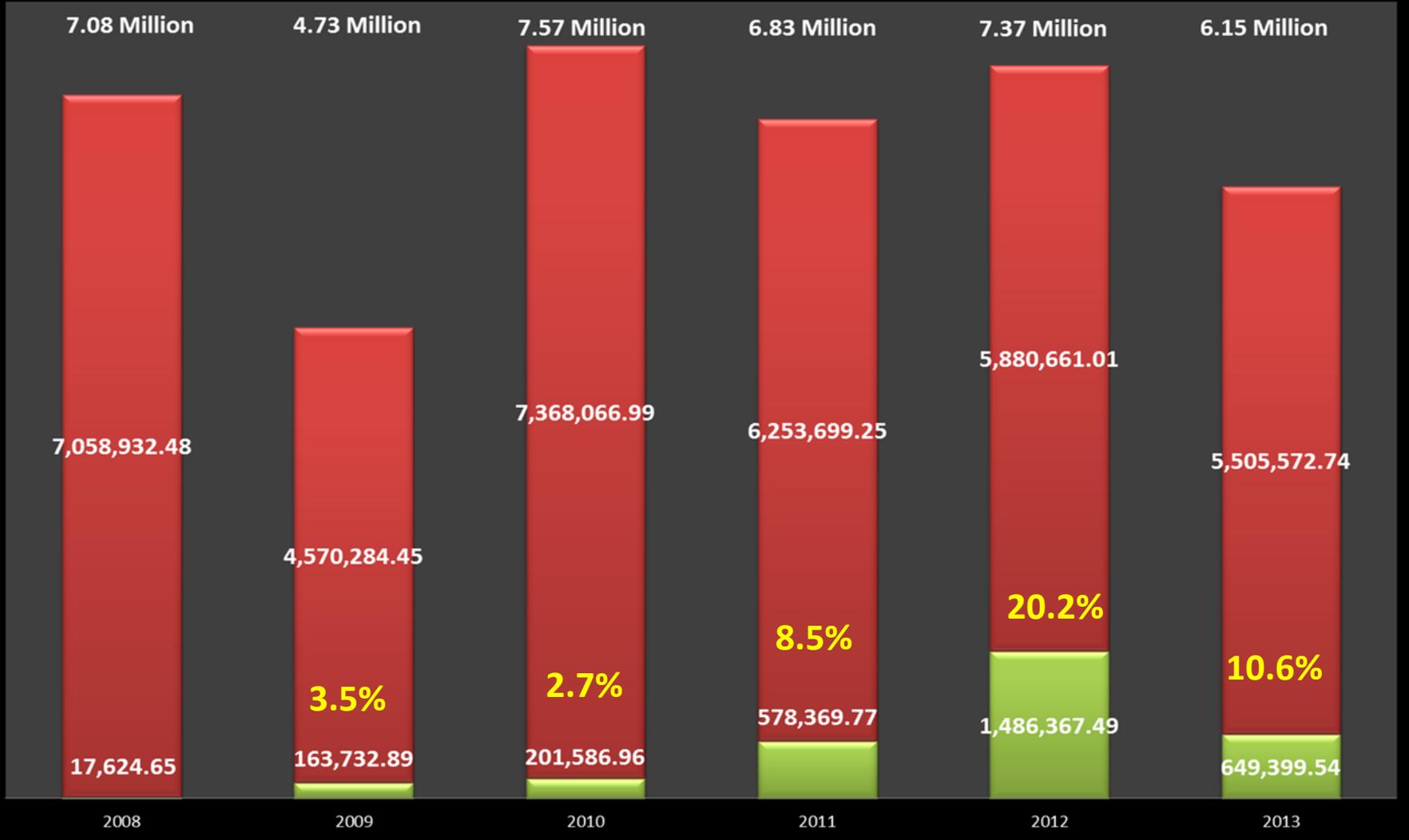
<u>SFY</u>	<u>\$(M)</u>
2008	277
2009	277
2010	300
2011	267
2012	406
2013	427
2014	433
2015	402

# PROGRAM-TONNAGE COMPARISON

<u>Year</u>	<u>Total Tonnage</u>	<u>ARRA</u>	<u>GARVEE</u>	<u>CONTRACT RESURFACING</u>	<u>REGULAR TIP</u>	<u>POCs</u>
2010	7,569,653	25.9%	3.3%	30.0%	24.4%	16.3%
2011	6,747,708	10.6%	2.2%	46.5%	38.2%	2.5%
2012	7,305,488	5.4%	5.6%	55.0%	33.7%	0.3%
<b>2013</b>	<b>6,154,972</b>	<b>1.5%</b>	<b>1.2%</b>	<b>57.5%</b>	<b>38.9%</b>	<b>0.2%</b>

### HMA-WMA COMPARISON Thru: December 31, 2013

■ WMA Grand Totals: ■ HMA Grand Totals:



# Warm Mix Asphalt

- WMA: Over 3.0 million tons placed to date since 2008-09

- WMA Status Approvals

Unlimited (any route) > 250,000 tons

Limited (US, NC, SR) > 75,000 tons

Trial (NC, SR) approved for use

See Materials and Tests website for Approved List and Criteria

- 9 WMA Processes on the Approved List
- 3 with “Unlimited” status

## North Carolina Department of Transportation Approved Products Listing

### APPROVED WARM MIX ASPHALT (WMA) PROCESSES

Prior to any approval, the WMA process manufacturer must submit documentation from a minimum of three (3) successfully constructed projects using the WMA process that includes the following:

- Product Name & Supplier;
- Contact Name & Telephone Number;
- WMA Process Material Safety Data Sheet (MSDS);
- Documentation from each successfully constructed project, including: project type, project owner, location, tonnage placed, mix design used, field density and performance data.

After the initial review, the WMA process can be given the following approval statuses based on the construction and performance of NCDOT-approved job mix formulas (JMFs) using the WMA process:

WMA Manufacturer	WMA Process	Current Approval Status
Astec Industries	Double Barrel Green	Unlimited
Gencor Industries	Ultrafoam GX	Unlimited
MeadWestvaco	Evotherm 3G	Unlimited
Aqua Foam, LLC	Aqua Foam WMA	Trial
ArrMaz Custom Chemicals	ADhere LOF65-00 + CecaBase RT945	Trial
Maxam Equipment	AQUABlack WMA	Trial
PQ Corporation	Advera	Trial
Sasol Wax	Sasobit	Trial
Terex Roadbuilding	Terex WMA	Trial

1) Trial Approval – one or more NCDOT-let projects have been successfully constructed using the WMA process and monitored through a minimum of one winter season.

- WMA processes with Trial status may be used on NC and Secondary routes.

2) Limited Approval – a minimum of 75,000 tons of mix using the WMA process have been successfully constructed on NCDOT-let projects.

- WMA processes with Limited status may be used on US, NC, and Secondary routes.

3) Unlimited Approval – a minimum of 250,000 tons of mix using the WMA process have been successfully constructed on NCDOT-let projects.

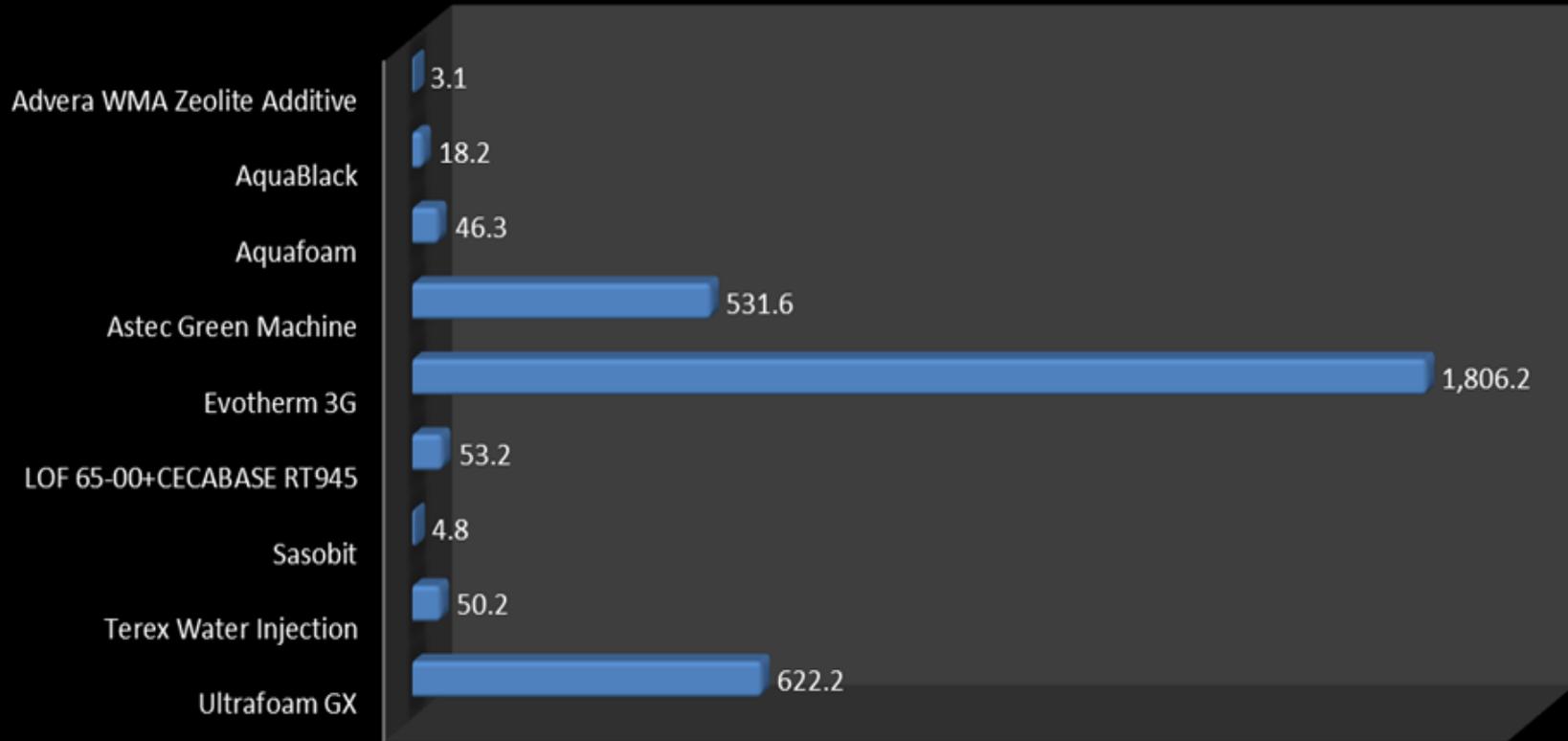
- WMA processes with Unlimited status may be used on any route, including Interstate routes.

Contact the Materials & Tests Unit at (919) 329-4060 for any information and current approval status.

# WMA Tonnages – 9 Approved Processes!

## Tonnage WMA Systems (1000)

■ Tonnage (1000)  
March 31, 2014



- **Warm Mix Asphalt (WMA)**

<p align="center"><b>TABLE 610-1</b> <b>MIXING TEMPERATURE AT THE ASPHALT PLANT</b></p>		
<b>Binder Grade</b>	<b>HMA JMF Temperature</b>	<b>WMA JMF Temperature Range</b>
PG 64-22	300°F	225 - 275°F
PG 70-22	315°F	240 - 290°F
PG 76-22	335°F	260 - 310°F

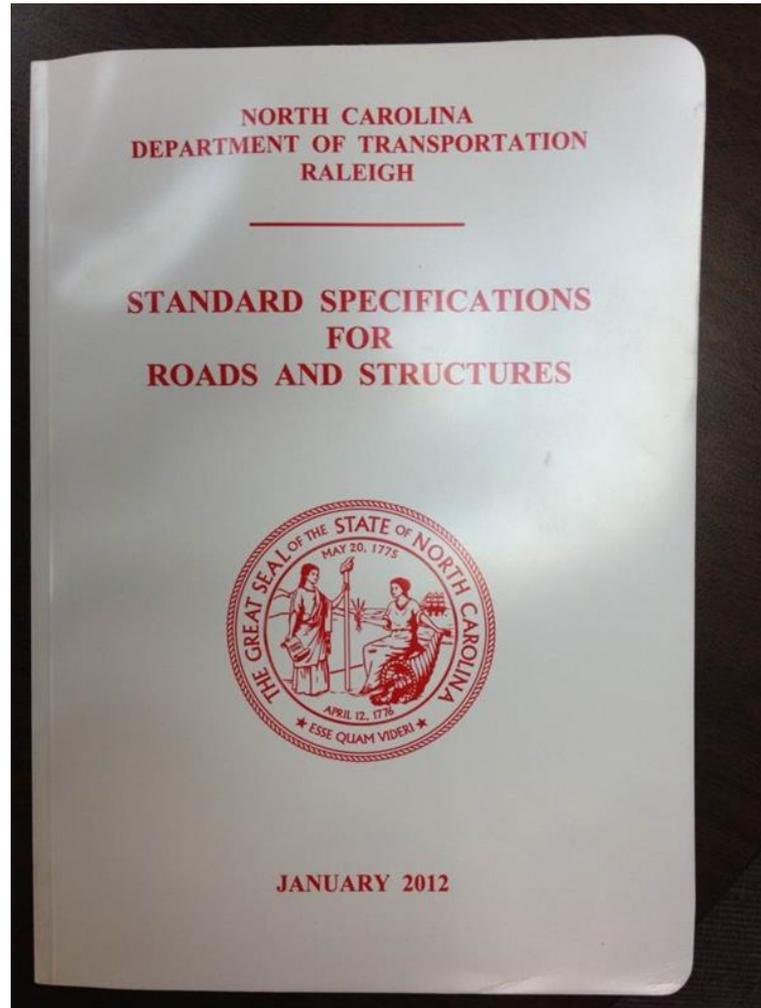
**Old Note:**

When WMA is used, the Asphalt Design Engineer (after consultation with the Contractor) will set the mixing temperature at the plant within the allowable temperature range of 225 °F to 275 °F.

**New Note:**

The mix temperature, when checked in the truck at the roadway, shall be within plus 15 °F and minus 25 °F of the temperature specified on the JMF.

- Other 2013 Specification Changes



# Air & Surface Temperatures

**TABLE 610-5  
PLACEMENT TEMPERATURES FOR ASPHALT**

<u>Asphalt Concrete Mix Type</u>	<u>Minimum Surface and Air Temperatures</u>	<u>Minimum Surface Temperature</u>
B25.0B, C	35°F	35°F
I19.0B, C, D	35°F	35°F
SF9.5A, S9.5B, S4.75A	40°F	50°F <sup>A</sup>
S9.5C, S12.5C	45°F	50°F
S9.5D, S12.5D	50°F	50°F

- Simplified Table with one requirement for both Air and Surface. Still check both and lower temperature controls.
- Check temps. away from artificial heat and at location of paving operation.
- Wording of “in the shade” has been removed

# Ultra-Thin Bonded Wearing Course with Alternate Method

- Two pilot projects in 2012
  - Divisions 14 and 5
- New SP placed in three contracts
  - Divisions 9 and 10



## **Ultra-Thin Bonded Wearing Course with Alternate Method – Special Provision**

- SP replaces Section 661 UBWC in Spec Book
- Alternate method is an option that allows Contractor to use distributor truck to shoot special non-tracking hot-applied tack and conventional paver to place Ultra-thin
- “Application” pay item has been removed
- With this SP, only one pay item which is “Ultra-thin” paid for in Tons
- Pavement Technical Committee was presented with the SP
- Goal to make it a standard later this year

## **S4.75A Mix**

- 4.75mm (Thin lift) Superpave Mix
  - Subdivision roads in Divisions 4 and 12
  - NC 27 west of Lincolnton



# S4.75A Mix

- Separate PSP's for:
  - S4.75A: "Thin-Lift" Superpave mix
  - SA-1: "Sand Asphalt"
- Mixes are NOT Interchangeable
- SA-1 Has been used as a subdivision mix
- S4.75A = Preservation Treatment
  - Placed @ 3/4" (approx. 90 lbs/sy)
  - For Roads In Fair to Good Condition

## **Ground Tire Rubber Modified Asphalt**

- Still looking for a pilot
- Needs to be a project requiring mixes that utilize PG 76-22 modified binder
- We have a specification for terminal blended ready to go
- M&T will assist with discussions with the Division

## **Dispute Resolution Process - Mix**

- Section 7.18.3: DR for Plant Mix
  - QA Verification results compared to JMF and not LOP.
  - Added specific scenarios for when QA Verification mix sample will trigger Pay Reductions vs. Sublots.

## **Dispute Resolution Process - Density**

- Section 10.7.2: Core Verification Testing
  - Added Dispute Resolution process for when QC & QA results are outside limits of precision.
  - ONE Additional Core is taken whenever a Verification core is cut = “DR Core”
- Section 10.5.4: Gauge Verification Testing
  - Added Dispute Resolution process for when QC & QA gauge readings vary by more than 2.0%.
  - Field confirmation of gauges – QC & QA work together to verify equipment operation.
  - If QC & QA cannot determine issues, Soils Lab Technical Trainer is requested to investigate.

# Temporary Traffic Control and Law Enforcement SPs for Resurfacing

## LUMP SUM pay item includes the following:

- Portable Signs
- Cones and Drums
- Changeable Message Boards and Flashing Arrow Panels (per standard, additional considered extra work)
- Includes 4 flaggers per operation per map
- Additional flaggers paid at \$20 per hour for each flagger as approved by Engineer as Supplemental Flagging pay item

## Law Enforcement SP

- Guidelines on when Law Enforcement pay item needed – high speed routes, urban intersections, etc.
- Each Law Enforcement officer will be paid Per Hour and not considered incidental or lump sum

## **Contract Time Considerations for Resurfacing**

- Division POCs up to \$2.5 million under new legislation
- Worked with Contract Office / CAPA to better define Contract Time Guidelines for resurfacing projects
- Resurfacing production rates (300 – 1000 tons/day):
  - Size of the project
  - Heavy congested areas or seasonal traffic
  - Time restrictions for lane closures, WZTC
  - Utility adjustments
  - Number of Intersections
- Allow 16 days per calendar month
- Allow 3 months for winter weather
- Pavement Marking limitations

# Disadvantaged Business Enterprise(DBE) Provision Changes

- Submit ALL DBEs at bid time
- Letters of Intent must be submitted only for those DBEs necessary to meet the goal
  - These become the Committed DBEs
  - Letter of Intent must be received by noon on the 6<sup>th</sup> day following the opening of bids
- Additional DBEs
  - No Letter of Intent submission
  - Replacement rules do not apply

# Additional DBE Subcontractors

## LIST OF WBE PARTICIPANTS

VENDOR NUMBER	DBE NAME ADDRESS	WORK CODE TYPE OF WORK	CERT TYPE	AMOUNT	
10129	CONCRETE SPECIALTY CONTRACTORS N/A POST OFFICE BOX 2303 , SHELBY, NC 28151		Sub	35,479.08	Not Committed
5762	WB JLS COMPANY LLC P.O. BOX 1265 , SKYLAND, NC 28776		Sub	153,075.00	Committed
3404	N/A HERITAGE GRADING & PAVING, INC. POST OFFICE BOX 1076 , BURNSVILLE, NC 28714		Sub	47,764.00	Not Committed
3765	N/A STAY ALERT SAFETY SERVICES INC POST OFFICE BOX 467 , KERNERSVILLE, NC 27285		Sub	4,926.24	Not Committed
5319	N/A NEW DIMENSIONS IN PAVEMENT MARK P.O. BOX 9928 , ASHEVILLE, NC 28815		Sub	104,926.44	Not Committed
			TOTAL:	\$153,075.00	8.37%

# Replacement of DBE Subcontractors

- Committed DBEs can be replaced
  - Performance Related Issues
  - Decertification
- NCDOT must concur with replacement
- Submit a DBE/MBE/WBE Replacement Request Form(RF-4) to RE for concurrence

<https://connect.ncdot.gov/projects/construction/Pages/Construction-Resources.aspx>

# DBE/MBE/WBE Replacement Request Form

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION							
<b>DBE MBE WBE REPLACEMENT REQUEST FORM</b>							
<p>The North Carolina Department of Transportation (NCDOT) is committed to the participation of Disadvantaged, Minority and Woman Business Enterprises (DBE/MBE/WBE), in contracting opportunities in accordance with 49 Code of Federal Regulations (CFR). It is the policy of NCDOT to ensure nondiscrimination on the basis of race, color, sex or national origin in the award and administration of the contracts.</p> <p>In accordance with the Special Provisions the Contractor shall not terminate a committed DBE/MBE/WBE subcontractor for convenience or perform the work with its own forces or those of an affiliate. Reasonable methods to resolve performance disputes must be applied. The contractor must demonstrate reasonable efforts to replace a committed DBE/MBE/WBE firm that does not perform as intended with another committed DBE/MBE/WBE firm. Replacement of a DBE without written approval from NCDOT is a violation of contract provisions and may result in the Contractor being disqualified from bidding for a period of up to 6 months.</p> <p><b>Contract Number:</b> _____</p> <p><b>DBE/MBE/WBE being replaced:</b> _____</p> <p><b>Explanation for Replacement:</b> _____                      _____                      _____</p> <p><b>Subcontract Amount:</b> _____</p> <p><b>Amount of Subcontract Remaining:</b> _____</p> <p><b>Line Items:</b> _____                      _____                      _____</p>							
<p>If a DBE/MBE/WBE subcontractor is terminated, or fails to complete its work on the contract for any reason, the prime contractor will make good faith efforts to find another DBE/MBE/WBE subcontractor to substitute for the original DBE/MBE/WBE. These good faith efforts shall be directed at finding another DBE to perform at least the same amount of work under the contract as DBE/MBE/WBE that was terminated, to the extent needed to meet the contract goal established for the project.</p> <p><b>Replacement Contractor:</b> _____</p> <p><b>Is this a NCDOT Certified DBE/MBE/WBE contractor? Yes <input type="checkbox"/> No <input type="checkbox"/></b></p>							
<p>By signing this document, the Contractors and Resident Engineer who is the designated representative of NCDOT, concurs with the process of replacing the named DBE/MBE/WBE subcontractor.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; border-bottom: 1px solid black; padding: 2px;"><b>DBE Contractor Signature</b></td> <td style="width: 30%; border-bottom: 1px solid black; padding: 2px;"><b>Date</b></td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;"><b>Prime Contractor Signature</b></td> <td style="border-bottom: 1px solid black; padding: 2px;"><b>Date</b></td> </tr> <tr> <td style="border-bottom: 1px solid black; padding: 2px;"><b>Resident Engineer Signature</b></td> <td style="border-bottom: 1px solid black; padding: 2px;"><b>Date</b></td> </tr> </table>		<b>DBE Contractor Signature</b>	<b>Date</b>	<b>Prime Contractor Signature</b>	<b>Date</b>	<b>Resident Engineer Signature</b>	<b>Date</b>
<b>DBE Contractor Signature</b>	<b>Date</b>						
<b>Prime Contractor Signature</b>	<b>Date</b>						
<b>Resident Engineer Signature</b>	<b>Date</b>						
<p><b>Upon Completion Send to:</b></p> <p><b>Cc:</b>     <b>Division Engineer</b>                            <b>State Construction Engineer</b>                            <b>State Contractor Utilization Engineer</b>                            <b>Business Opportunity and Workforce Development</b></p>							

# Replacement of DBE Subcontractors

- Additional DBE can be used as replacement
  - Just submit RF-4 Form listing the Additional DBE
  - Can list Additional DBE that has completed work
- Good Faith Effort for Replacement
  - Required when there are no Additional DBEs
  - Must seek DBEs to participate in the contract

# Prompt Payment

- Article 109-4(B)
- Requires payment within 7 days
- Allows retainage of up to 10%
  - Only if no bond is provided
  - Mutual agreement between Prime and Sub
  - Agreement must be provided to Resident Engineer

payment shall be incorporated into each subcontract or second tier subcontract issued for work performed on the project or for services provided.

The Contractor shall not withhold any payments to a subcontractor, second tier subcontractor or material supplier for any claim or action arising outside the current contract with the Department. Notwithstanding the provisions of this section, the Contractor may withhold up to 3% retainage if any subcontractor does not obtain a payment and performance bond for their portion of the work. Additionally, this retainage may be increased to a maximum of 10% where the Contractor and any subcontractor have supplied to the Engineer a satisfactorily executed mutual agreement for an increased amount. If any retainage is held on subcontractors, all retainage shall be released within seven calendar days of satisfactory completion of all work. For release of retainage, satisfactory completion is defined as completion of all physical elements and corresponding documentation as defined in the subcontract, as well as agreement between the parties as to the final quantities for all work performed in the subcontract. The Department will provide internal controls to expedite the determination and processing of the final quantities for the satisfactorily completed subcontract portions of the project.

Failure of any entity to make prompt payment as defined herein may result in the Department:

- (1) Withholding money from the Contractor due for work performed by that entity in the next partial payment until the necessary assurances are made consistent with this specification; or

## Tablet Pilot Program & QA Lab E-mails

- Tablets to QA Supervisors
- Improve communication
- Access documents out of office
  
- Reduce faxing and submit electronically
- E-mail accounts for each QA Lab
- E-mail Address as follows for Div. 1 thru 14:  
[SVC\\_DOT.QALAB\\_Div01@ncdot.gov](mailto:SVC_DOT.QALAB_Div01@ncdot.gov)  
[SVC\\_DOT.QALAB\\_Div14@ncdot.gov](mailto:SVC_DOT.QALAB_Div14@ncdot.gov)

## Asphalt Plants Sharepoint Site

- Web-based site to share documents
- All asphalt plants will have a folder
- Improve internal and external communication
- Responsiveness to submittals (JMFs and mix designs)
  
- One producer will have access for Pilot testing
  - Blythe Construction, Inc.
  - Lake Norman Plant (AS55)
  - Blythe Rep must log on from QA Lab computer
  - E-mail alerts to Todd and Nilesh
  - Mix design documents, JMF Change requests, etc.

## **Materials and Tests Reorganization**

- Todd Whittington New Responsibilities
  - PG Binder Program Administration
  - PG Binder Testing and Inspection
  - Asphalt Emulsion Program Administration
  - Asphalt Emulsion Testing and Inspection
- Shifted additional resources to Asphalt Materials and Services Group to manage additional responsibilities

## Materials and Tests Reorganization

- All New Asphalt Mix Design and JMF approvals go through one central contact
  - Charles Colgate
- Asphalt Pavement Specialists can approve changes to existing JMFs
  - Very minimal exceptions
    - Based on the delta from the original design

# QMS Asphalt Classes



## HMA/QMS Asphalt Technician Certification Training Schedule - 2014

NCDOT HMA/QMS Asphalt Technician Training Schedule						2014											
Courses	Location	City	Begin Time	Capacity		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Roadway Technician Class	NCSU - McKimmon Ctr.	Raleigh, NC	8:30 AM	75		8-9											
Roadway Technician Class	Village Inn Conf. Ctr.	Clemmons, NC	8:30 AM	75		15-16											
Roadway Technician Class	Salon 1 & 2, City Hotel and Bistro	Greenville, NC	8:30 AM	75		22-23											
Roadway Technician Class	Renaissance Hotel	Asheville	8:30 AM	75			5-6										
Level II Plant Technician Class	Wake Forest Room, Ramada Inn	Burlington	8:30 AM	25			19-20										
Level I Plant Technician Class	Wake Forest Room, Ramada Inn	Burlington	8:30 AM	25			12-13										
Roadway Technician Class	Wake Forest Room, Ramada Inn	Burlington	8:30 AM	75						14-15							
Roadway Technician Class	Renaissance Hotel	Asheville	8:30 AM	75										24-25			
Roadway Technician Class	Salon 1 & 2, City Hotel and Bistro	Greenville, NC	8:30 AM	75											15-16		
Roadway Technician Class	Wake Forest Room, Ramada Inn	Burlington	8:30 AM	75												5-6	
<b>Last Revised: 11/18/2013</b>																	

<https://connect.ncdot.gov/resources/Materials/Pages/QMSAsphaltTrainingSchool.aspx>

# Online Roadway Technician Course

The screenshot shows the Stanly Community College website. At the top, there is a navigation bar with links for Calendar, Directory, Email, Tech Support, Schedules, WebAdvisor, Moodle, and Home. Below this is a search bar and a menu with options: Future Students, Current Students, College Information, Faculty/Staff, and Economic Development. The main content area is titled 'Industrial Occupations' and lists various job categories. The 'QMS Roadway Technician' course is highlighted, with details as follows:

<b>NDOT Course Number</b>	MAT535-T
<b>Stanly Community College Course Number</b>	Currently Unavailable
<b>Course Content</b>	12 hours - Online
<b>Cost</b>	\$100
<b>Examination</b>	Onsite at approved centers
<b>Certification</b>	Yes (4 years)
<b>Prerequisites</b>	"Introduction to Asphalt Pavements" and Roadway O-J-T completion (Verification of completion of prerequisites must be presented at time of registration.)
<b>Course Description</b>	An in-depth course for the purpose of training asphalt roadway technicians in inspection techniques related to hauling, laydown, and compaction of asphalt pavements. Also includes in-depth training on NCDOT specifications, density requirements, and acceptable laydown criteria of asphalt materials under the NCDOT HMA/QMS Program.
<b>Coordinator/Contact</b>	Tabitha Ritchie ( <a href="mailto:tritchie9358@stanly.edu">tritchie9358@stanly.edu</a> or 704-991-0181)

Below the course details is a '2014 Calendar of Events' section for February:

- January 30th, 2014 - February 14th, 2014 (Registration for QMS Roadway Technician)
- February 17th, 2014 (Online QMS Roadway Technician course begins)

On the left side of the screenshot, there is a 'Register Now' button with three numbered gears (1, 2, 3) and a photo of a man in a white shirt with the text 'Creating Success' below it.

## Partner CC Testing Sites

A-B Tech CC

Brunswick CC

Edgecombe CC

Fayetteville Tech. CC

Guilford Tech CC

Halifax CC

Piedmont CC

Stanly CC

*(some do charge a fee)*

# Comparison of Results

- Stanly C.C. Online Roadway Technician Course

43 Attendees
4.65 % Fail
95.35 % Pass

- Other Recent Classroom Taught Roadway Classes

Jan. 8 & 9, 2014 Roadway Class Raleigh, NC
48 Students
10.42 % Fail
89.58 % Pass

Jan. 15 & 16, 2014 Roadway Class Clemmons, NC
72 Students
25.00 % Fail
75.00 % Pass

Jan. 22 & 23, 2014 Roadway Class Greenville, NC
47 Students
6.38 % Fail
93.62 % Pass

Feb. 4 & 5, 2014 Roadway Class Asheville, NC
74 Students
13.51 % Fail
86.49 % Pass

# Questions

