

# MATERIALS & TESTS BULLETIN

NCDOT



## DENSITY QMS CERTIFICATION REQUIREMENTS

If density certification is needed, you should aim to acquire:

- QMS Roadway Technician Certification: Take Intro to Asphalt (Prequal.). Minimum 10 working days per OJT program.
- QMS Density Gauge Operator Certification: Hands-on training/ field certification is required.

Both certifications are effective for 5 years.

## BEST PRACTICES: ENTERING HICAMS DATA

*Five days is the optimal timeframe for entering your data into HiCams.*

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**BULLETIN SIGNUP  
CODE:**



Who  
collects test  
data?

QC Technician

QA Technician

Who  
verifies the  
data?

Field Personnel  
(gauge control)

Lab (core control)

Who enters  
the data?

Resident Engineer

Assistant RE

## FILM BADGES

Place film badge orders through M&T Field Services at least 3 weeks prior to when needed.

For NCDOT employees only: The Film Badge Information Sheet must be filled out and returned immediately after class. Ensure all paperwork is completed immediately after class so it can be filed properly.



## DENSITY TESTING

The contractor may choose to use either pavement core samples or density gauge readings for density control. Non-nuclear gauges are permitted for acceptance on surface mixes only. While non-nuclear gauges can be used to monitor density on base and binder mixes, they should not be used for density acceptance.



## SMALL QUANTITIES MODIFIED CORE DENSITY ACCEPTANCE

Modified density acceptance for individual structure replacements and projects with 1500 linear feet or less. Note a project requiring more than 100 tons of pavement, does not qualify as a small quantity item.

## CONTACT US

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QA cores are no longer required. QC Cores can be used for QA testing.

### Helpful Links:

- [QMS Manual](#)
- [NCDOT Spec Book](#)



IF YOU HAVE A TOPIC YOU WOULD LIKE TO SEE IN A FUTURE ISSUE, PLEASE EMAIL [RNBRV@NCDOT.GOV](mailto:RNBRV@NCDOT.GOV)