



City of Chicago  
Richard M. Daley, Mayor

Department of Transportation

Thomas G. Byrne  
Commissioner

30 North LaSalle Street  
Suite 1100  
Chicago, Illinois 60602-2570  
(312) 744-3600  
(312) 744-1200 (FAX)

[www.cityofchicago.org/transportation](http://www.cityofchicago.org/transportation)

Date: April 20, 2009

To: Construction Engineers, Consultant Construction Engineers, and Contractors

RE: **Hot-Mix Asphalt (HMA) Field Procedural Requirements**

Test Strip Requirements

When a new mixture is scheduled to be produced for the first time during the construction season CDOT QA must be notified so a test strip or rapid start-up procedure can be coordinated if necessary. All F Mixtures, SMA, IL-4.75, and modified neat AC mix designs shall have a test strip or rapid start-up procedure performed on the first day of production. If any nuclear gauges are to be correlated the correlation shall occur during the test strip procedure.

Core Sampling and Labeling

When a correlated gauge is not used in determining field densities and no provisions for acceptance by percent growth curve have been specified, cores will be required. All cores shall be labeled in a manner that is obvious and easy to distinguish from cores taken on previous days. In all cases the cores taken for QC shall have the designation "C" at the end of the core number and cores taken for QA shall have the designation "A" at the end of the core number. An example of a labeling procedure that would be considered acceptable would include the month and day the mixture was placed along with the core number followed by a "C" or "A". See the example below.

QC – 0619-1C, 0619-2C, 0619-3C, 0619-4C, 0619-5C, 0619-6C

QA – 0619-4A, 0619-5A, 0619-6A

The cores represented by this labeling procedure indicate the mixture was placed on June 19<sup>th</sup>. There were 6 cores taken for QC and 3 cores taken for QA that correspond to the QC cores numbered 4 through 6.

Once the cores have been taken the holes in the pavement shall be filled with a pre-packaged polymer concrete mixture from IDOT's current Approved List for Materials, Polymer Concrete.

These changes are effective immediately.

Sincerely,

Cynthia M. Williams  
Quality Assurance Manager  
Chicago Department of Transportation



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