

STANDARD CONSTRUCTION OPERATING PROCEDURE

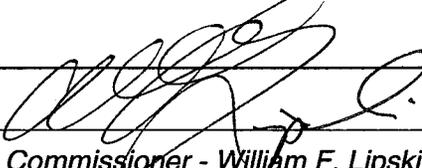
City of New York Department of Design and Construction
Division of Infrastructure Bureau of Construction

SCOP..... : 01 -012C

CATEGORY.... : CONSTRUCTION
Subcategory : MATERIAL TESTING

SUBJECT: MATERIAL TESTING - QA LAB

Keywords QA Laboratory,
Testing, Samples

APPROVED: 
Assistant Commissioner - William F. Lipski, P.E.

Supersedes... : N/A

Supplements.... : N/A

Sheet..... : 1 of 1

Issue Date..... : August 3, 2001

All samples transmitted to the Quality Assurance Laboratory by project personnel must be transmitted with a completed QA Chain of Custody form. It is important that all required fields on the form are completed, especially the type of test required and the specification number for the material.

In addition to the above required form, concrete and asphalt core samples must be accompanied by the QA core report which must include the date of placement and the required thickness. Asphalt core samples must include the date of placement, rice value (maximum theoretical density) and the required thickness.

Attached please find a summary of typical samples to be submitted to QA for testing. The Resident Engineer should modify this list in accordance with the latest applicable specifications in their projects.

ATTACHMENTS: Chain of Custody Form, Core Report Form, Testing Summary

New York City Department of Design and Construction
Division of Technical Support
Bureau of Quality Assurance

Agency: _____
 Agency Contact: _____
 Phone: _____

Contact # _____
 Name _____
 Page _____ of _____

CORE SUBMITTAL WORKSHEET

NOTE: Samples will not be accepted unless all fields are complete.

CORE		DATE	FIELD		DATE and LOT			REQUIRED				Plant DATA	
			MEASUREMENTS	Asphalt	Concrete	PLACED			Thickness				
Number	Location	Cored	Asphalt	Concrete	Top	Binder	Concrete	Top	Binder	Concrete	Concrete	Top	Binder
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Cored by:	Witnessed by:	Office Engineer:	Resident Engineer:	Provided by:
-----------	---------------	------------------	--------------------	--------------

Remarks: _____

QMS USE	Full Length	Concrete	Asphalt
LAB#			
COUNT			

New York City Department of Design and Construction

Division of Technical Support

Bureau of Quality Assurance

Agency: _____ Contact # _____

Agency Contact: _____

Name _____

Phone: _____

Page _____ of _____

CONCRETE CYLINDERS SUBMITTAL WORKSHEET

NOTE: Samples will not be accepted unless all fields are complete.

CONCRETE CLASS/TYPE:

PLANT:

ADMIXTURES:

TESTED BY:

CYL ID	LOCATION	DATE CAST	DATE TESTED	AGE (DY)	TEMP (F)	SLUMP (IN)	AIR (%)	LOAD (LBS)	CORR FACT	STRENGTH (PSI)

Office Engineer:
Resident Engineer:
Provided By:

Remarks: _____

SUMMARY OF SAMPLES DESCRIPTION

HIGHWAY SPECIFICATIONS (JUNE, 1986)
Filling and Back-filling Materials

- **Regular Fill (Section 4.11.3A)**
- **Select Granular Fill (Section 4.11CC)**

SUBBASE MATERIAL FOR ROADWAY

- **Sub-base Course, Select Granular Material (Section 6.67.3A)**
- **Open-Graded Stone Base (Section 7.17)**
- **Dense-Graded Stone Base (Section 6.46.3)**

SIDEWALK FOUNDATION MATERIAL (Section 4.13.3A)

- **Broken Stone or Gravel**
- **Broken Concrete (Recycled)**
- **Other approved Granular Material (sand, cinders, etc.)**

MISCELLANEOUS MATERIALS

- **Asphalt, liquid (Tack Coat, Grade RC-70) (Section 2.03)**
- **Asphalt, emulsified (Tack Coat, Type RS-1) (Section 2.04)**
- **Asphalt Cement (Grade AC-20) (Section 2.05)**
- **Curing Materials (Section 2.14)**
- **Expansion Joint, Preformed (Section 2.15)**
- **Steel Bars for Concrete Reinforcement (Section 2.23)**
- **Topsoil (Section 2.26)**
- **Tack Coat (Section 6.58.2)**

ASPHALT CORES AND CONCRETE CORES

- **Asphalt Top and Asphalt Binder samples in bags.**
- **Asphalt Plug samples**

DDC STANDARD SEWER SPECS. (DECEMBER, 1996)
Material for Back-filling (Section 4.06.2)

- **Select Granular Fill**
- **Approved Excavated Suitable Fill**
- **Clean Fill**
- **Processed Fill**
- **Crushed Stone Bedding for Sewers (Section 4.12.2)**

DEP STANDARD WATERMAIN SPECS. (DECEMBER 1996)

- **Back-filling Trench (Section 5.13)**

ASTM SPECIFICATIONS

- **Sewer and Manhole Brick (C32)**
- **Filter Fabric**