



# Florida Department of Transportation

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**\*\* Expired \*\***

March 13, 2008

**MATERIALS BULLETIN NO. 03-08**

**CONSTRUCTION TRAINING MEMORANDUM NO. 001-08**

(FHWA Approved: 03/13/08)

**TO: DISTRICT MATERIALS RESEARCH ENGINEERS  
DISTRICT CONSTRUCTION ENGINEERS**

**FROM:** Thomas O. Malerk, P.E., Director, Office of Materials  
Brian A. Blanchard, P.E., Director, Office of Construction

**COPIES:** Norbert Munoz, Jim Cox, Bob Burleson, Jim Warren, Yvonne Collins, John Shoucair

**SUBJECT: QUALIFICATION CHANGES FOR AGGREGATE TECHNICIAN TRAINING**

In response to the January 1, 2008 change in the American Concrete Institute's (ACI) Aggregate Technician certification training program, the Department is implementing the following changes effective immediately to the Construction Training Qualification Manual:

1. Existing Qualifications -

All existing CTQP Aggregate qualifications will be extended to a June 30, 2008 expiration date to allow time for rescheduling of new courses. All other existing qualifications that are valid beyond June 30, 2008 will expire on the current stated date of the qualification. A technician will be permitted to do any test covered under the qualification held.

2. New Qualifications with existing Qualifications or existing Certifications -

Holders of the current Construction Training Qualification Program (CTQP) Aggregate Field Testing Technician (requires ACI certification) are eligible to take the CTQP LBR course and get qualified. This is the only scenario where a current CTQP qualification can be carried forward.

3. New Qualifications for New Technicians -

There will be two new CTQP qualifications corresponding to the ACI Certifications:

	CTQP Qualification	Required ACI Certification
1	Aggregate Base Testing Technician	Aggregate Base Testing Technician
2	Aggregate Testing Technician	Aggregate Testing Technician - Level I

The FDOT Qualified Sampler remains as is.

The FDOT LBR course will be taught with reference only to FM 5-515, Limerock Bearing Ratio (LBR).

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Qualifications requirements for new technicians are as follows:

Technicians working mainly with coarse and fine aggregates shall have CTQP Aggregate Testing Technician - Level I.

Technicians working mainly with Earthwork and Base shall have CTQP Aggregate Base Testing Technician.

Technicians working with LBR shall have CTQP Aggregate Base Testing Technician and CTQP LBR.

A list of test methods covered in each ACI Certification is attached.

Should you have any questions concerning this matter, please contact John Shoucair (352) 955-2925 at the State Materials Office.

**TEST METHODS COVERED IN EACH ACI CERTIFICATION**

**Aggregate Base Testing Technician (AASHTO/ASTM)**

- T2 / D75 Sampling of Aggregates
- T248 / C702 Reducing Samples of Aggregate to Testing Size
- T87 / D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test
- T89 / D4318 Determining the Liquid Limit of Soils
- T90 / D4318 Determining the Plastic Limit and Plasticity Index of Soils
- T88 / D422 Particle Size Analysis of Soils
- T265 Laboratory Determination of the Moisture Content of Soils
- T180 / D1557 Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in) Drop
- T99 / D698 Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in) Drop

**Aggregate Testing Technician – Level I (AASHTO/ASTM)**

- T2 / D75 Sampling of Aggregates
- T248 / C702 Reducing Samples of Aggregate to Testing Size
- T11 / C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing
- T27 / C136 Sieve Analysis of Fine and Coarse Aggregates
- T85 / C127 Specific Gravity and Absorption of Coarse Aggregate
- T84 / C128 Specific Gravity and Absorption of Fine Aggregate
- T255 / C566 Total Evaporable Moisture Content of Aggregate by Drying
- T21 / C40 Organic Impurities in Fine Aggregates for Concrete