

## WSDOT FOP for AASHTO T 106

### *Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube Specimens)*

WSDOT has adopted the published AASHTO T 106 with errata's below.

*AASHTO Test Methods cannot be included in Materials Manual due to copyright infringement.*

*WSDOT employees can access AASHTO and ASTM test methods in the following web address:*

[www.wsdot.wa.gov/tools-services/library-services/access-aashto-publications-and-astm-aci-or-sspc-standards](http://www.wsdot.wa.gov/tools-services/library-services/access-aashto-publications-and-astm-aci-or-sspc-standards)

*Non-WSDOT employees can order AASHTO's Standard Specifications for Transportation Materials and Methods of Sampling and Testing, using the following web address:*

<https://store.transportation.org>

#### **10. Procedure**

*Follow Note below.*

**Note:** For Field fabrication of grout cubes, follow WSDOT Test Method T 813.



# Performance Exam Checklist

## AASHTO T 106

### Compressive Strength of Hydraulic Cement Mortar (Using 50-mm or 2-in. Cube specimens)

Participant Name: \_\_\_\_\_ Exam Date: \_\_\_\_\_

Record the symbols "P" for passing or "F" for failing on each step of the checklist.

Procedure Element	Trial 1	Trial 2
1. The tester has a copy of the current procedure on hand?	_____	_____
2. All equipment is functioning according to the test procedure, and if required has the current calibration/standardization/check and maintenance tags present?	_____	_____
3. Cubes broken within permissible time tolerance?	_____	_____
4. Cubes tested immediately after removal from saturated lime water storage tank or covered with damp cloth?	_____	_____
5. Cubes wiped clean of sand, and wiped to surface dry condition prior to testing?	_____	_____
6. Load applied to specimen faces that were in contact with plane surfaces of mold and checked with straightedge?	_____	_____
7. Cross-sectional area determined in respect to faces contacting bearing blocks?	_____	_____
8. Prior to testing each cube, spherically seated block checked for freedom to tilt?	_____	_____
9. Load rate of 200 to 400 lbf/s (900-1800 N/s) obtained during the first half of the anticipated maximum load?	_____	_____
10. No adjustment in rate made during the second half of loading?	_____	_____
11. Total maximum load recorded and compressive strength of cubes averaged and reported to the nearest 10 psi (0.1 MPa)?	_____	_____

Comments: First Attempt: Pass \_\_\_\_\_ Fail \_\_\_\_\_ Second Attempt: Pass \_\_\_\_\_ Fail \_\_\_\_\_

Examiner Signature: \_\_\_\_\_ WAQTC #: \_\_\_\_\_

