**Project Inspector**

**Requirements:**

18 Months of Construction Technical Experience

 AND

Associate Degree in:

Civil Engineering Technology

 OR

Associate Degree in:

Construction Engineering Technology

 OR

NICET Highway Construction Level II

 AND

ACI Concrete Field Testing Technician, Grade 1

 AND

Ohio Level I Aggregate Technician

 AND

ODOT Flexible Pavement Training

**How to get training/Certification:**

*NICET Highway Construction Level II*

 *(in lieu of Associate Degree)*

**National Institute for Certification in Engineering Technologies**

NICET has established the following criteria for certification in Highway Construction:

* Sufficient appropriate work experience
	+ Work History Form - a detailed description of responsibilities and job tasks for each position held
* Successful performance on a written exam based on job tasks
* Supervisor verification of job task competency
	+ Work Element Verification Form - supervisor attests that he or she has witnessed performance of that work element's tasks repeatedly and competently
* A personal recommendation is required at Levels III and IV

**NICET Highway Construction Level II -** technicians perform routine tasks under general daily supervision (at least two years relevant experience) must pass 6 general and 6 special Level I work element tests and 6 general and 7 special Level II tests

How long will it take and how much will it cost?

If you decided in April, May or June you wanted get certified – you’ve missed the cut off for Cycle 2 (cut off cycle 2 will be March 30) and will have to get into Cycle 3. There are 5 locations in Ohio to take the test. These are offered over about a 1 month period. To get into Cycle 3 the deadline to submit your work experience and supervisor information would be sometime between June 15 and July 20 for tests held between Aug 3 and September 7. It takes 2 weeks to get the scores back and then 90 days after test for them to review all the experience information. So a person starting today best case would be certified by early November. **Best case 6 months** **worst case 8 months**. Cost would be **$416** ($260 for test and $156 for review of experience documents).

Testing Process

Currently the tests are paper and pencil format but are being transitioned to computer based testing. The tests are made up of multiple-choice questions, designed to be answered with little difficulty by those who regularly perform the tasks within the covered areas. The tests will be custom-made according to the work elements requested. The work element descriptions in the program detail manual give a good idea of what material will be tested in each work element. The examination is open-book; standards, references, and calculators (computers are not allowed) are allowed. The time limit will be based on the specific questions. The maximum time allowed (for a maximum of 34 work element tests) will be 420 minutes with 1 hour for lunch.

Exam test centers and exam dates for 2013 in Ohio are shown at:

<http://www.nicet.org/candidates/scheduling.cfm>. The flat fee for up to 34 work element tests is $260. In specific instances testing can be offered with a reduced fee for mass testing.

Applications must be received 7 weeks prior to the testing date. Applicants will be sent confirmation letters 30 days prior to the testing date. Applicants will receive their scores about 2 weeks after the exam. If examination requirements are met NICET will then evaluate work history and performance verifications. About 90 days after the test applicant will receive either a NICET certificate and approval letter/wallet card or a letter explaining criteria that remains unmet. The applicant is then given a chance to submit the missing criteria.

The fee for review of the work history and performance verification runs from $78 dollars to $354 depending on the current certification level and the certification level being requested. That fee includes one subsequent review of additional information if necessary.

Certifications are good for three years. At the end of each 3 year period an applicant must document 90 points of continuing professional development activities (2 points for each month worked up to 72 hours and various options of training, participation in professional programs, etc.) The fee to recertify is $172 for a single certification. Second and subsequent certifications are an additional $47 for another 3 year period.

Complete NICET Information can be found at: <http://www.nicet.org> and see Programs then choose Transportation: Highway Construction

*ACI Concrete Field Testing Technician, Grade I*

*(required for all)*

**American Concrete Institute**

Required Certification:             ACI Concrete Field Testing Technician – Grade I

ACI Sponsored Associations: Ohio Concrete / Ohio Ready Mixed Concrete Association (ORMCA)

[www.ohioconcrete.org](http://www.ohioconcrete.org)

ormca@ohioconcrete.org Phone:  614-891-0210     Amy

**ACI Concrete Field Testing Technician Grade I** (2-days) 6 CPD hrs.

The ACI Concrete Field Testing Technician Grade I course will benefit all personnel involved in testing fresh concrete. ASTM C94, ACI 301 and C31 all require that technicians making and curing concrete test specimens for acceptance be certified ACI Concrete Field Testing Technicians. A working knowledge of the following ASTM Standards is required for this certification program:

C-172 Sampling Freshly Mixed Concrete;
C-143 Slump of Hydraulic Cement Concrete;
C-138 Density (Unit Weight), Yield, & Air Content (Gravimetric) of Concrete;
C-231 Air Content of Freshly Mixed Concrete by Pressure Method;
C-173 Air Content of Freshly Mixed Concrete by Volumetric Method;
C-31 Making and Curing Concrete Test Specimens in the Field;
C-1064 Temperature of Freshly Mixed Portland Cement Concrete.

Ohio Concrete Professional Engineers conduct the one-day review. The written and performance examinations are administered by a Professional Engineer and graded by the American Concrete Institute (ACI).

Technicians successfully completing both the written and performance examinations will receive a certificate and wallet card from ACI certifying them as an ACI Concrete Field Testing Technician - Grade I (certification expires in 5 years).

ACI requires successful completion of both the performance and written examinations, for individuals desiring recertification. Individuals may register for “Exam Only”, however it is recommended that they register for the “Accelerated Course,” to review the current standards covered on the exam.

ACI Concrete Field Testing Technician - Grade I exam is now reimbursable (up to $500) to Veterans through the GI Bill. To view the VA's recognized exam list, including the Concrete Field Testing Technician Grade I listing, click the following link: http://inquiry.vba.va.gov/weamspub/buildSearchNE.do Veterans wanting reimbursement for the ACI Concrete Field Testing Technician Grade I exam through the GI Bill must let Ohio Concrete know upon registering.

Time: 1 day for the Review; 1 day for the Exam (Written and Practical)

                            Cost Structure:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member | Affiliate | Non-Member |
| Review & Exam | $ 380 | $ 490 | $ 610 |
| Exam Only | $ 235 | $ 300 | $ 370 |
| Book | $ 75 | $ 75 | $ 75 |

Ohio Northeast Chapter ACI

Phone:  440-623-0285     Carri Wolverton

Time:  1day for the Review; 1 day for the Exam (Saturdays)

* Certification is good for 5 years

Make sure that you specify the certification as ***Concrete Field Testing Technician – Grade I***… there is a Concrete Technician certification that is different than what we typically require.  ORMCA is the sponsoring group for most of Ohio, but the NE chapter of ACI has elected to provide training in their area.  Each chapter has the first right of refusal to provide this training/certification.

*Ohio Level I Aggregate Technician (required for all)*

**Ohio Aggregates and Industrial Minerals Association**

Required Certification: Ohio Level 1 Aggregate Technician

For information regarding the Level 1 training see the following link: <http://www.oaima.org/aws/OAIMA/asset_manager/get_file/13351/level_1_2_3_agg_tech_training_summary.pdf>

Entitled: Stockpile Management, Recommended Practice for Building and Maintaining Quality

Stockpiles & Proper Load-Out, Recovery and Sampling Techniques.

Stockpile Management is the key to our success as quality aggregate producers. It doesn’t matter

what we put in a stockpile if we don’t use the proper techniques to recover the material from the

stockpile. Additionally, proper stockpile construction and sampling are factors that definitely

impact our daily operations. These areas are where the producer can most dramatically and quickly

impact the quality of his operation.

*What is covered?* Topics covered in this one-day course include: Methods of Stockpiling,

Segregation of Aggregates, Stockpile Recovery Techniques (Such as Load-out), Sources of

Variation, Importance of Sampling and Sampling Techniques and Methods.

*Who Should Attend?* This course is suited for all personnel involved in your aggregate operation

but especially “front-line” personnel such as loader-operators, plant operators and quality control

technicians.

*Prerequisites?* There are no prerequisites for Level I Aggregate Technician Training. Experience

in the field is helpful but not necessary. Class participation is highly encouraged to share real-life

experiences when dealing with the topics covered.

*Re-Qualification:* 5 years *Classroom time:* 8 hours

NOTE: Currently there are 3,036 people certified as Level I Aggregate Technician, 1,253 people certified as Level II Aggregate Technician and 240 people certified as a Level III Aggregate Technician see <http://www.oaima.org/aws/OAIMA/pt/sp/qc> click Technicians List for names and association

**Contact for certification:**

# OAIMA Telephone:1-800-647-6257 or 614-428-7954

 162 N. Hamilton Rd. Fax: 614-428-7919

 Gahanna, OH 43230 e-mail: alineg@oaima.org

 Currently courses are full and they are working from a waiting list.

**Course Fee includes: notebook, certificate, hard hat sticker and lunch.**

OAIMA Member registration fee: $ 125.00 OAIMA Member Registration fee: $ 135.00

Non-member registration fee: $ 250.00 Non-member registration fee: $ 260.00

*ODOT Flexible Pavement Testing (required for all)*

Offered only by ODOT see Office of Construction Management’s web page for further information

[http://www.dot.state.oh.us/Divisions/ConstructionMgt/Pages/default.aspx](https://www.dot.state.oh.us/Divisions/ConstructionMgt/Pages/default.aspx)