ACI Concrete Construction Special Inspector

DEFINITION

A Concrete Construction Special Inspector is a person qualified to inspect and record the results of concrete construction inspection based on codes and job specifications. The program covers inspection during pre-placement, placement, and post-placement operations.

A Concrete Construction Inspector-in-Training is a person who is knowledgeable about inspection procedures for concrete construction, including pre-placement, placement and post-placement operations; but does not have the experience required to qualify as an ACI Concrete Construction Special Inspector.

The programs requires a knowledge of concrete construction, including plans reading, formwork installation and removal, reinforcements, embedments, sampling and testing freshly mixed concrete, conveying, placing, consolidation, finishing, jointing curing, and protection.

The technical resource materials used in these programs include the following:

ACI Publications:

- SP-2 - Manual of Concrete Inspection
- ACI Concrete Terminology
- 117 - Tolerances for Concrete Construction and Materials
- 213R – Guide for Structural Lightweight-Aggregate Concrete
- 301 - Specifications for Structural Concrete
- 302.1R - Floor and Slab Construction
- 304R - Measuring, Mixing, Transporting and Placing Concrete
- 304.2R - Placing Concrete by Pumping Methods
- 304.5R - Batching, Mixing, and Job Control of Lightweight Concrete
- 305R - Hot Weather Concreting
- 306R – Cold Weather Concreting
- 308 - Curing Concrete
- 309R - Consolidation of Concrete
- 318 - Building Code Requirements for Reinforced Concrete
- 347 - Formwork for Concrete

ASTM Publications

- C29/C29M - Unit Weight and Voids in Aggregates
- C94/C94M - Specification for Ready-Mixed Concrete
- E329 - Evaluation of Testing and Inspection Agencies

Other Publications:

- MSP-1 - Manual of Standard Practice, Concrete Reinforcing Steel Institute
- EB001 - Design and Control of Concrete Mixtures, Portland Cement Association

Concrete Construction Special Inspector Requirements

ACI will grant certification only to those applicants who:

- 1) Hold current certification as an ACI Concrete Field Testing Technician Grade I; 2) obtain a passing grade on the written inspection examination; 3) obtain a passing grade on the written plans reading examination and
- 4) Possess at least one of the following qualifications
  - A B.S. degree in Civil Engineering, Civil Engineering Technology, Engineering Technology, Construction Engineering or Construction Engineering Technology from a program accredited by ABET, including courses in concrete materials, design or construction, PLUS six months satisfactory work experience, or
  - A B.S. degree in an engineering program PLUS one year of satisfactory work experience, or
  - A minimum of two years of college or technical school, earning at least 60 credit hours, plus two years of satisfactory work experience, or
  - A high school diploma, or equivalent, plus a minimum of three years of satisfactory work experience, or
  - Five years of satisfactory work experience

The work experience must include:

- Decision making authority and responsibility; verification of compliance with plans, specifications, and codes; evaluation of concrete construction in the field; documentation and reporting of inspection results and proficiency in appropriate areas of concrete construction inspection

Verification of the amount and range of work experience by the applicant's employer(s) is required.

The **three-hour written inspection examination is "open book"** and consists of approximately 80 multiple choice questions. The one-hour plans reading examination consists of approximately 20 questions and is designed to test the examinee's ability to read and understand engineering drawings. The minimum passing grade for each examination is 70%.

Concrete Construction Inspector-in-Training Requirements

ACI will grant certification to those applicants who meet the Field Technician prerequisite and pass both written examinations. Individuals with Inspector-in-Training Certification can upgrade to full inspector status upon submittal and approval of sufficient education/work experience.

Name	
Company	
Address	
City, State, Zip	
Email	
Phone	

REGISTRATION FEE: **(Includes study material, review sessions & exam)**

Chapter Member	**$1295**
Non-Member	**$1395**
Retest	**$285**

DATE:

☐ **Sep 15-18, 2020** (3 review days + final exam day)

Payment Method

☐ VISA ☐ MasterCard ☐ Discover ☐ American Express

Total	**$**		
Credit Card #			
Exp. Date		CVV Code	
Name on Card			
Billing Address			
City, State, ZIP			
Signature			

SEND REGISTRATION AND PAYMENT TO:

Tammy Meldrum/ACI Intermountain Chapter

director@aciintermountain.com

P.O. Box 95622, South Jordan, UT 84095/801-250-3444

CANCELLATION POLICY:

Sessions may be canceled or rescheduled up to 14 days prior to the session start date without incurring any additional charges. Canceling or rescheduling within 13 days of the session start date will result in a full forfeiture of the registration fee. If you do not cancel your registration within the 14-day timeframe and fail to attend your scheduled session, the entire registration fee will be forfeited.