Department Approved Course Requirements

Course Title: 30-Hour Concrete Safety Manager

Course Required for: ☒ License Qualification

Purpose: This course is a requirement to become a Concrete Safety Manager.

Duration: 30 Hours of instructional time, excluding breaks & meals

Class Size: 1 – 50 Trainees

NYC Requirement: To obtain a Concrete Safety Manager Certificate, the applicant must complete & submit to the Licensing Unit - a certificate of completion for 30 hours of training as mandated by - the 2014 NYC Construction Codes, Building Code Chapter 33 §3310.9.1 Concrete Safety Manager; Local Law 40-2008 and Title 1 of Rules of the City of New York – Section 3310-02 Concrete Safety Managers

Facility Requirements: The Training Facility used by the Course Provider must:

- Have sufficient room to accommodate all expected attendees and the equipment needed to perform hands-on exercises where required as part of the course.
- Make provisions for the presentation of training material in all media types (computer, projector, video/DVD player, etc.); and
- Comply with all applicable laws, rules & regulations relating to occupancy, zoning, egress, fire detection, fire suppression, light, ventilation, cleanliness, sanitary facilities, emergency notification & evacuation procedures.

Instructor Requirements: To deliver this course the instructor(s) must demonstrate that he or she is credentialed or trained in instructional methods and learning processes. The instructor(s) must also successfully demonstrate his or her ability to solve or resolve problems relating to the subject matter by possession of a recognized degree, certificate, licensure or professional standing, or by extensive knowledge, training, and experience, in the subject matter being taught. To the extent that the course instructor(s) holds, or has held, a trade license issued by the Department, it must be in good standing and not be surrendered to, suspended by or revoked by the Department.

possess a valid Concrete Safety Manager or Site Safety Manager Certificate.

Curriculum Requirements: All topics listed under Course Content Outline must be covered using the listed Instructional Delivery Method. The time dedicated to each outline topic should be appropriate for the course content and can vary depending on the trade or job performed by the licensee. The Instructional Delivery Materials used in this course must contain all current applicable NYC Construction Code references, current rules, policies & bulletins.

Curriculum References: American Concrete Institute (ACI) Publications including ACI 318 Building Code Requirements for Structural Concrete
### Course Content Outline

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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| 1. | Introduction to Concrete Safety Management  
- Site Safety Manager & Coordinator Description  
- Construction Superintendent Description  
- Concrete Safety Manager Description  
- Fire Safety Manager Description |
| 2. | Concrete Construction Site Accidents  
- Common Causes & Prevention  
- Accident Statistics  
- Case Studies w/Photos |
| 3. | NYC Concrete Safety Manager Certification Requirements  
- Building & Construction Sites that require a Concrete Safety Manager  
- Steps to get or renew a Certificate  
- Discipline/suspension/revocation of a Certification |
| 4. | OSHA 1926 Overview - Safety & Health Regulations for Construction  
- Focus on Subpart Q - Concrete & Masonry Construction |
| 5. | NYC Codes Overview – cover all applicable codes, rules, related department policy statements, regulatory notices, bulletins and memos including:  
- Title 1 Rules of the City of New York - Chapter 33 §3310-02 Concrete Safety Managers  
- NYC Fire Code '08 - Chapter 14 Fire Safety during Construction, Alteration & Demolition  
- NYC Department of Transportation (DOT) - Regulations & Permits  
- Building Code ‘08 - All applicable concrete sections still in effect  
- Construction Codes ‘08 - General Administrative Provisions  
- Building Code ‘08 – All applicable sections including:  
  - Update Pages/Local Laws promulgated after July 1, 2008;  
  - Chapter 1 Administration - Permits, Maintenance, Enforcement & Licensing;  
  - Chapter 19 Concrete;  
  - Chapter 33 Safeguards during Construction or Demolition;  
  - Chapter 35 Reference Standards;  
- Building Code ‘14 – All applicable sections including:  
  - Chapter 33 Safeguards during Construction or demolition |
| 6. | NYC Department of Buildings Overview – cover all applicable Administrative standard operating procedures, policy & procedure notices, permits/department notifications, forms, filing & site documents, plans, inspection checklists/logs and wind & weather advisories |
| 7. | NYC Department of Transportation (DOT) Regulations & Permits  
- Traffic & Traffic Control  
- Manual on Uniform Traffic Control Devices |
| 8. | NYC Department of Environmental Protection (DEP) Regulations for Concrete Disposal BC 3320 |
| 9. | Concrete Construction & Stripping Operations  
- Formwork Design  
- Rebar Handling  
- Concrete Pumping  
- Hazardous Materials BC 3313  
- Material Handling Equipment BC 3320  
- Shoring & Reshoring  
- Protection of Pedestrians BC 3307  
- Safety Netting BC 3308 |
| 10. | Concrete Inspection Operations  
- Pre-Placement, Placement & Post-Placement |
| 11. | Rigging, Scaffold, Hoisting, Lift, & Crane Operations  
- Scaffolds BC 3314  
- Material Hoists BC 3317  
- Personal Hoists BC 3318  
- Cranes & Derricks BC3319 including Signaling |
| 12. | Site Safety Plan Requirements for Concrete |
| 13. | Safety Protocols for Concrete - including  
- Fall Protection for existing & new concrete-embedded fall arresting systems |
| 14. | Jobsite Concrete Safety Violations |
| 15. | Safe Use of Concrete Tools on the Jobsite |
| 16. | Reoccurring Jobsite Concrete Safety Problems |
| 17. | Jobsite Emergency Situations & Preparedness Procedures |
| 18. | NYC Buildings Unsafe Condition (311) Notification Procedure |
| 19. | NYC/DOI Buildings Integrity Training Contact Information Sheet |
| 20. | Review all Training Topics |
| 21. | Written (Multiple Choice) Test |

### Instruction Delivery Method

- Classroom Lecture/Discussion w A/V
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