



## PERSONNEL QUALIFICATIONS

### Ryan N. Keesbury | Senior Technician



#### EXPERIENCE

Since joining WJE in 2004, Ryan Keesbury has worked on a variety of materials testing and evaluation projects. Most of his experience is in concrete and aggregate testing, which includes the following tests: concrete drying shrinkage, concrete compressive strength, concrete flexural strength, concrete freeze/thaw testing, concrete splitting tensile strength, concrete modulus of elasticity, plastic concrete testing, aggregate gradations, aggregate absorptions and specific gravity, and aggregate sample preparations.

Additionally, Mr. Keesbury's experience includes trial batching mixture proportions for self-consolidation concrete (SCC) and high-performance concrete (HPC), sample preparation for petrographic analyzes, sample preparation for chloride ion contents, building test set ups and forms. His field experience includes extraction of concrete cores, crack mapping of bridge decks, corrosion potential measurements, and concrete delamination surveys. Mr. Keesbury helps perform equipment calibration and verifications to maintain laboratory accreditation.

#### REPRESENTATIVE PROJECTS

##### Materials Evaluation and Research

- Illinois Tollway Authority: Trial batching and concrete testing for high-performance concrete (HPC)
- Trial batching and concrete testing for self-consolidating concrete; admixture development
- Concrete testing for high-performance concrete development matrix, NCHRP

##### Testing and Instrumentation

- Montana Department of Transportation: Corrosion evaluation of four bridge decks; activities include concrete core extraction, crack mapping, and corrosion potential measurements
- Illinois Tollway Authority: Cracking investigation of new concrete bridge deck, activities include crack mapping and core extraction

#### EDUCATION

- James A. Rhodes State College
  - Associate of Applied Science, Civil Engineering Technology, Concrete Technology, 2004

#### PRACTICE AREAS

- Materials Evaluation and Research
- Quality Control Testing
- Testing and Instrumentation

#### PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- Ohio Aggregates & Industrial Minerals Association

#### CONTACT

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