



#### EDUCATION

- Lawrence Technological University
  - Bachelor of Science, Architecture, 2015
- University of Michigan
  - Master of Architecture, 2019

#### PRACTICE AREAS

- Repair and Rehabilitation
- Failure/Damage Investigations
- Peer Review
- Code Consulting
- Computer Modeling
- Instrumentation/Monitoring

#### REGISTRATIONS

- LEED Accredited Professional

#### PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- U.S. Green Building Council

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2013, Erin Bolin has worked on a variety of projects involving the investigation, analysis and repair of existing buildings as well as performed peer reviews and field-performed testing for the quality assurance/quality control of new construction. Ms. Bolin has conducted field investigations of damaged and deficient conditions, including visual assessment and testing. She has also developed repair designs and documentation, provided construction period services, conducted building code and related regulation reviews, and performed computer modeling and visualization of failures and repairs.

Ms. Bolin has previous academic and professional experience with sustainable and environmental design, modeling, and analysis, as well as computational design and digital fabrication.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation

- Zeal Credit Union Headquarters - Livonia, MI: Document review, field investigation, and site excavation to determine causes of below-grade water infiltration
- Fisher Building Entrances - Detroit, MI: Condition assessment and development of waterproofing and structural repair documents for entryways over vaulted sidewalks
- Southfield Town Center Parking Structures - Southfield, MI: Condition assessment and development of repair documents for multiple parking structures

##### Failure/Damage Investigations

- The Lofts at Rivertown - Detroit, MI: Water infiltration testing, construction evaluation, and repair design recommendations
- Maccabees Center - Southfield, MI: Field investigation and documentation of extent and severity of water infiltration
- Lake Trust Credit Union Headquarters - Brighton, MI: Field investigation and documentation of extent and severity of scratches in exterior glazing

##### Code Consulting

- Jackson County Courthouse - Kansas City, MO: Review of building code and ADA requirements as it relates to the repair of water damage
- Godfrey-Lee Middle and High School - Wyoming, MI: Review of building and fire codes relative to demolition and construction period life safety requirements
- Risen Son Christian Village - Council Bluffs, IA: Building code and product review relative to the repair and replacement requirements of a proprietary composite roofing system
- Private Residence - Cottage Grove, MN: Building code review relative to the repairs of fire damage

##### Computer Modeling

- Joy Road Bridge - Ann Arbor, MI: Computer modeling of crack propagation through a reinforced concrete bridge structure following vehicular impact
- Holiday Inn Facade Repairs - Wilmington, OH: Computer modeling and production of rendered imagery to assist in the visualization of repair options
- Salvation Army Adult Rehabilitation Center Facade Restoration - Grand Rapids, MI: Computer modeling and production of iterative building imagery to assist in the visualization of repair options

##### Peer Review

- Harbor Oaks Hospital Expansion - New Baltimore, MI: Review of design documents, submittals, construction period observations, and testing relative to building enclosure detailing
- The Flats at City Modern - Detroit, MI: Construction troubleshooting and review of construction documents relative to building enclosure detailing

##### Instrumentation/Monitoring

- Foundry Lofts - Ann Arbor, MI: Remote monitoring of auger-cast pile vibration data captured with engineering seismographs