



#### EDUCATION

- Michigan Technological University
  - Bachelor of Science, Civil Engineering, 2007
  - Master of Science, Civil Engineering, 2009

#### PRACTICE AREAS

- Failure Investigation
- Fire Damage Investigation
- Litigation Consulting
- Repair and Rehabilitation Design
- Damage Assessment and Documentation
- Leakage Investigation
- Structural Evaluation
- Construction Observation Services

#### REGISTRATIONS

- Professional Engineer in MI

#### PROFESSIONAL AFFILIATIONS

- International Concrete Repair Institute (ICRI)
- Precast/Prestressed Concrete Institute (PCI)

#### CONTACT

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#### EXPERIENCE

Elise Love joined WJE in 2009 and has since been involved in a diverse range of is involved in diverse projects for various structure types, including single family and multiunit residential, retail, temporary structures, wastewater, educational, and healthcare. Her project experience represents multiple WJE service areas and includes failure and damage investigations of existing wood, steel, aluminum, reinforced concrete, and concrete masonry structures; structural repair design for existing wood, reinforced concrete, clay masonry structures, and concrete masonry structures; structural condition assessments for wood and steel structures; weld inspection for open-web steel joists, construction period building monitoring, and water leakage investigations.

Prior to joining WJE, Ms. Love worked for Soils & Structures, Inc., where she was involved in structural retrofit design as well as new structural design. While completing her master's degree at Michigan Technological University, she conducted research in the early-age creep and shrinkage characteristics of ultrahigh-performance fiber reinforced concrete.

#### REPRESENTATIVE PROJECTS

##### Failure Investigation

- Dollar General - Caledonia, MI: Assessment for cause of pre-engineered steel roof collapse under snow loads
- Pontiac Silverdome Stage - Pontiac, MI: Assessment for cause of temporary aluminum stage roof structure collapse

##### Fire Damage Investigation

- Fosnaugh Residence - Bloomfield Hills, MI: Assessment of extent of structural fire damage

##### Litigation Consulting

- Dearborn Combined Sewer Overflow Contract 3 - Dearborn, MI: Evaluation of construction damage costs

##### Repair and Rehabilitation Design

- 4101 Kinfolk Court - Pinckney, MI: Structural repair design for fire-damaged wood trusses

##### Structural Evaluation

- Lake Local Schools - Millbury, OH: Structural assessment of windstorm-damaged structures
- Odd Fellows Building - Detroit, MI: Structural evaluation and conceptual retrofit design

##### Construction Observation Services

- Grand Park Centre - Detroit, MI: Condition survey and construction period building monitoring