

### Elizabeth H. Reynolds | Associate II



#### EDUCATION

- University of Maine
  - Bachelor of Science, Civil Engineering, 2014
- University of Pennsylvania
  - Masters of Science, Historic Preservation, Architectural Conservation emphasis, 2018

#### PRACTICE AREAS

- Historic Preservation
- HABS and HAER Documentation
- Historic Structures Reports
- Materials Conservation
- Field Monitoring
- Repair and Rehabilitation

#### PROFESSIONAL AFFILIATIONS

- American Institute for Conservation of Historic and Artistic Works
- American Society of Civil Engineers
- Association for Preservation Technology International

#### CONTACT

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*\*Indicates with previous organizations*

#### EXPERIENCE

Elizabeth Reynolds specializes in historic preservation and materials conservation and is a registered Engineer-in-Training.

Ms. Reynolds has performed investigations, condition assessments, repair design, and construction administration services for a variety of facade and structural systems including mass walls and cavity walls, as well as bridges and transportation structures. Her experience in building materials includes: brick, stone, and terra cotta masonry, concrete, wood, stucco, and plaster on both contemporary and historically significant buildings and structures.

Prior to joining WJE, Ms. Reynolds was a field engineer with a general contractor where she managed construction of infrastructure projects. In that role, Ms. Reynolds communicated regularly with the Chicago Transit Authority and the Illinois Department of Transportation to create project schedules and coordinate work. Ms. Reynolds has also worked with historic preservation architecture and architectural conservation firms. Ms. Reynolds is knowledgeable and experienced in the application of the Secretary of the Interior's Standards for Historic Preservation and National Park Service Technical Preservation Briefs.

#### REPRESENTATIVE PROJECTS

##### Historic Preservation

- Old Town Sunrise Senior Living (circa 1890s-1900s, landmark designation on NRHP) - Alexandria, VA: Completed preconstruction surveys of historic structures surrounding new construction and designed and implemented a vibration monitoring plan using seismographs
- Smithsonian Institution (1849, landmark designation on NRHP) - Washington, D.C.: Created an evaluation and monitoring system for building maintenance staff to document and catalogue conditions and recurring issues
- George Nakashima's Pool House (1960, landmark designation on NRHP) - New Hope, PA: Condition assessment using Nondestructive Evaluation of a plywood thin-shell conoid structure\*

##### HABS and HAER Documentation

- Polite Temple Baptist Church (1853) - Philadelphia, PA: Development of HABS-style drawings and photographic documentation of interior and exterior\*

##### Historic Structures Reports

- Mesa Verde National Park; Park Ranger Housing Units constructed in part by the Civilian Conservation Corps; Quarters 5 & 6 (circa 1930s, NRHP) - Cortez, CO: Development of HSRs and interior and exterior material sampling for two housing units to document the history, condition, and recommend repair treatments and materials\*

##### Materials Conservation

- Bartram's Garden (1728-1770, landmark designation on NRHP) - Philadelphia, PA: Historic finishes analysis\*
- Skylands Manor (circa 1920s, NRHP) - Ringwood, NJ: Historic finishes analysis and mortar analysis using acid digestion to guide repair documents\*
- The Woodlands Cemetery (circa 1790s, landmark designation on NRHP) - Philadelphia, PA: Hands-on conservation of wood elements of an 18th century stable including consolidation and Dutchman repair\*

##### Field Monitoring

- Peoria Street Bridge (2015, IDOT, CTA) - Chicago, IL: Coordination of construction of a pedestrian bridge and adjoining public transit station\*
- Green Line Track Renewal (2016, CTA) - Chicago, IL: Coordinated construction of public transit tracks from Oak Park, Illinois, into Chicago, Illinois\*

##### Repair and Rehabilitation

- Thurgood Marshall Federal Judiciary Building (1992, Architect of the Capitol) - Capitol Hill, Washington, D.C.: Construction observation of contract document scope, including removal and replacement of granite cladding
- GrandView Condominium (2009) - Annapolis, MD: Condition assessment using visual and drone examination and repair recommendations