



## PERSONNEL QUALIFICATIONS

### Logan J. Cook | Associate Principal and Unit Manager



#### EDUCATION

- Purdue University
  - Bachelor of Science, Construction Engineering, 2010
  - Master of Science, Civil Engineering, 2011

#### PRACTICE AREAS

- Repair and Rehabilitation Design
- Condition Assessment
- Failure/Damage Investigation
- Roofing and Waterproofing
- Structural Evaluation
- Historic Preservation
- Difficult Access Inspections
- Bridges and Civil Infrastructure

#### REGISTRATIONS

- NHI Course 130078 - Fracture Critical Inspection Techniques of Steel Bridges
- Professional Engineer in IL, IN, KY, MO, OH, SD, and TN

#### PROFESSIONAL AFFILIATIONS

- Building Enclosure Council - Indiana, past president
- FEMA Indiana Task Force 1 Urban Search and Rescue Team, structures specialist
- International Concrete Repair Institute - Indiana Chapter
- State of Indiana Fire Prevention and Building Safety Commission

#### CONTACT

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#### EXPERIENCE

Logan Cook possesses expertise in failure investigations, repair and rehabilitation design, difficult access inspections, construction observation, condition surveys, facade assessments, and structural analysis. He performs evaluations and investigations of roofing and waterproofing, cold-form and structural steel, masonry, wood, and concrete. Mr. Cook manages and helps prepare documents and manages construction administration for repair implementation. He collaborates with WJE colleagues and contributes to projects ranging from sports venues to high-rise buildings, museums, multifamily apartments, hospitals, and bridges.

Mr. Cook joined WJE in 2012. He had gained prior work experience in engineering, contracting, and commercial real estate development. He embraces the role that owners, builders, and designers play in successful project delivery.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation Design

- The Assembly - Indianapolis, IN: Historic concrete, brick, and terra cotta facade repair
- St. Vincent Parking Garage - Indianapolis, IN: Collapse investigation and concrete and waterproofing repairs
- Indianapolis Downtown Heliport - IN: Concrete structural framing investigation and repair design

##### Condition Assessment

- Indiana War Memorial Commission - Indianapolis: Condition assessment of multiple monuments, statues, and buildings for capital planning
- Three Rivers Water Tower - Fort Wayne, IN: Condition assessment and repair design of limestone facades and roofing replacement

##### Failure/Damage Investigation

- Multiple Buildings - Nashville, TN: Investigation of damage resulting from 2020 Christmas bombing
- Warehouse - McCordsville, IN: Post-tornado investigation of partial collapse
- Nashville Sounds Stadium - TN: Tornado damage assessment of stadium roofing, seating, and structure

#### Roofing and Waterproofing

- Gainbridge Fieldhouse - Indianapolis, IN: Multiple projects including roofing assessment, replacement design, construction administration, masonry, and coating failure evaluation
- Victory Field - Indianapolis, IN: Assessment of roofing systems for capital planning
- Capitol Center - Indianapolis, IN: Plaza waterproofing investigation and replacement design
- Eskenazi Health - Indianapolis, IN: Green roof investigation and waterproofing consulting

#### Structural Evaluation

- St. Vincent Center/Pacers Practice Facility - Indianapolis, IN: Terra cotta rainscreen framing evaluation
- University of Notre Dame, Joyce Athletic and Convocation Center - South Bend, IN: Code review and repair design for suspended catwalk in basketball arena
- Purdue University, Ross-Ade Stadium - West Lafayette, IN: Grandstand evaluation and inspection for capital planning and maintenance program
- Purdue University, Mackey Arena - West Lafayette, IN: Evaluation of roofing and roof framing for installation of new scoreboard
- Purdue University, Bell Tower - West Lafayette, IN: Corrosion study of steel framing

#### Historic Preservation

- Indiana World War Memorial - Indianapolis: Building limestone facade and waterproofing and historic plaster repair design
- Indiana University Art Museum - Bloomington: Exterior concrete facade cleaning and repairs

#### Difficult Access Inspections

- OneAmerica Tower - Indianapolis, IN: Facade access anchorage evaluation
- Oklahoma State Capitol - Oklahoma City: Facade assessment

#### Bridges and Civil Infrastructure

- I-65 Over SR 46 - Columbus, IN: Bridge inspection
- Leo Frigo Bridge - Green Bay, WI: Inspection of suspension cables