

Sean O'Shea | Senior Specialist



EDUCATION

- Western Kentucky University
 - Bachelor of Science, Environmental Geology, Minor in Chemistry, 1999

PRACTICE AREAS

- Facade Assessment
- Failure Investigation
- Nondestructive Evaluation
- Leakage Investigation
- Materials Evaluation and Research
- Roofing and Waterproofing
- Bridge Assessment and Repair
- Litigation Consulting
- Window Performance and Analysis

REGISTRATIONS

- FLIR Level I Certified Infrared Thermographer
- FLIR Building Science Certified Infrared Thermographer
- Infrared Building Science Thermographer Level II

PROFESSIONAL AFFILIATIONS

- American Society of Nondestructive Testing (ASNT)
- Building Envelope Council - Portland BEC
- RCI, Inc.

CONTACT

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EXPERIENCE

Sean O'Shea assesses and investigates a wide variety of architectural and structural systems. He has focused experience with inspection and investigation of window failures and performance, building facades, bridge analysis, and roofing problems. He has extensive experience in construction defect litigation and support. Additionally, he works with as-built repairs with building envelopes, windows, doors, and roofing systems. Mr. O'Shea has working knowledge of AAMA and ASTM standards for testing these types of products and the surrounding cladding systems.

Mr. O'Shea is a certified building science infrared thermographer performing nondestructive condition assessments on buildings and bridges. His knowledge with infrared technology has given WJE the ability to evaluate construction defects through nondestructive testing procedures leading to quicker assessments and evaluations.

Additionally, Mr. O'Shea is actively involved in advancing WJE's usage of drones (sUAS) as a project tool. This ability may be useful for a wide range of work, including inspections and construction monitoring.

REPRESENTATIVE PROJECTS

Facade Assessment

- Worldmark Seaside - Seaside, OR: Facade assessment, window testing, infrared analysis, and litigation consulting
- Honeyman Hardware - Portland, OR: Facade analysis for building restoration

Nondestructive Evaluation

- Salem Hospital-Patient Care Tower - Salem, OR: Testing of fall arrest anchors
- Heathman Hotel - Portland, OR: Prepurchase facade assessment

Roofing and Waterproofing

- Wilsonville Summit - Wilsonville, OR: Drawing evaluation and roof inspections
- Courtyard Fountains - Gresham, OR: Construction oversight, roof defect investigation, and roof replacement observations

- Rainier 3 and 5 - Sumner, WA: Drawing review, infrared analysis, and leak investigation
- East Portland Community Center -Portland, OR: Performance testing, roof replacement, construction oversight
- Major Retail Chain - Locations Nationwide: Roof framing inspection and repairs

Leakage Investigation

- Sunset Presbyterian - Portland, OR: Window-related investigation and litigation support
- The Plaza Residences - Denver, CO: Window spray testing for new construction
- Renaissance Villas - Portland, OR: Destructive window analysis and spray test observations
- Center Commons - Portland, OR: Analysis of water damage through cladding and windows

Bridge Assessment and Repair

- SR520 Bridge Pontoon - Aberdeen, WA: Inspection and analysis of post-tensioned pontoon system for Seattle bridge
- I-5 Interstate Bridge - Portland, OR: Fatigue retrofit of stringer cracking
- Roseburg Oregon Bridge - Roseburg, OR: Damage analysis of post-tensioned system

Litigation Consulting

- Courthouse Square - Salem, OR: Window condition assessment
- CAO Building - Hillsboro, OR: Stucco-related document review, investigation, trial preparation, and support
- McGeady Residence - Oysterville, WA: Window condition assessment, window spray testing observations, and trial preparation and testimony