PERSONNEL QUALIFICATIONS

Bryan C. Staffel | Senior Associate

EDUCATION

- University of Texas at Austin
  - Bachelor of Science, Civil Engineering, 2009
  - Master of Science, Civil Engineering, 2010

PRACTICE AREAS

- Pavement Investigation
- Nondestructive Evaluation
- Facade Assessment
- Water/Air Intrusion Assessment

REGISTRATIONS

- Certified Infrared Thermographer - Level 1
- Professional Engineer in TX
- Registered Exterior Wall Consultant

PROFESSIONAL AFFILIATIONS

- International Concrete Repair Institute
- International Institute of Building Enclosure Consultants - North Texas Chapter, past president

CONTACT

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EXPERIENCE

Bryan Staffel contributes to a wide range of projects, and his work encompasses a variety of materials and construction. His projects commonly include investigation, testing, analysis, and repair design of existing buildings and structures. While at WJE, Mr. Staffel has gained experience in diagnosing concrete failures within infrastructure and pavements, assessing building facades, using destructive and nondestructive testing techniques for analysis of building envelopes, water intrusion testing of building envelopes to identify leak sources, and identifying building distress due to subsurface soil movement.

Prior to joining WJE, Mr. Staffel completed his graduate degree with an emphasis in concrete materials and concrete durability.

REPRESENTATIVE PROJECTS

Pavement Investigation

- Cottonwood Valley Subdivision - Irving, TX: Pavement evaluation and repair design
- Hackberry Creek Subdivision - Irving, TX: Pavement evaluation and repair design
- Highway Bridge Deck - Irving, TX: Investigation of batching errors and early cracking in new deck placement
- New Residential Subdivision - Fort Worth, TX: Investigation of distressed pavements over utility trenches
- Outdoor Shopping Center Pavers - Plano, TX: Investigation of brick paver movements

Nondestructive Evaluation

- Children's Medical Center - Dallas, TX: Infrared energy audit survey
- Gateway Apartments - Plano, TX: Exterior stucco infrared survey
- Two-Story School Building - Grand Prairie, TX: Infrared survey to locate grouted cells within exterior CMU walls
- Multistory Condominium - Dallas, TX: Infrared roof survey to locate water infiltration
- Cold Storage Warehouse - Dallas, TX: Infrared survey to locate thermal bridging
- University of Texas Southwestern BioCenter - Dallas: Infrared roof survey to locate water infiltration
- Corporate Headquarters - Dallas, TX: Infrared survey to locate interior air exfiltration

Facade Assessment

- Portofino Luxury Apartments - Farmers Branch, TX: Coating evaluation and repairs
- Office Building Precast Concrete - Dallas, TX: Investigation of concrete beams and columns with alkali-silica reaction and delayed ettringite symptoms
- Multistory Office Building - Houston, TX: Assessment of precast concrete panels with deterioration due to alkali-silica reaction and delayed ettringite formation
- Aloft Austin at the Domain - Austin, TX: Assessment of masonry facade and water management repairs
- Two-Story Medical Office Complex - Flower Mound, TX: Investigation of masonry efflorescence
- Texas Tech University, Architecture Building - Lubbock: Assessment of masonry facade and repair system
- Children's Health - Dallas, TX: Assessment and repair design of precast concrete, curtain walls, stucco, and EIFS claddings

Water/Air Intrusion Assessment

- Mansfield Methodist Medical Center - Mansfield, TX: Investigation and monitoring of water and air intrusion
- Mercy Memorial Health Center - Ardmore, TX: Evaluation of air and water barrier repairs
- Texas Tech Recreation Center - Lubbock: Investigation of below-grade water intrusion
- WaterWalk Condominiums - Wichita, TX: Investigation of water intrusion
- Turtle Creek Village Parking Garage - Dallas, TX: Investigation of water intrusion
- McKesson Corporate Headquarters - Irving, TX: Investigation of above- and below-grade water intrusion