

Travis P. Green

Senior Associate



EDUCATION

University of Kansas

Bachelor of Science, Architectural Engineering, 1998

Georgia Institute of Technology

Master of Science, Civil Engineering, 2000

REGISTRATION

Professional Engineer in Georgia, Washington, D.C.,
and West Virginia

AWS Certified Welding Inspector

PRACTICE AREAS

Building Envelope Assessment

Collapse Investigation

Load Testing

Prestressed and Post-Tensioning

Repair and Rehabilitation Design

Structural Analysis

Structural Investigation

Testing and Instrumentation

EXPERIENCE

Since joining WJE in 2000, Mr. Green's experience has included structural investigations, evaluations, load tests, and repair designs for low- and high-rise commercial buildings and parking structures. His work has involved post-tensioned, precast, and conventionally reinforced concrete structures; wood framed, aluminum and light gauge metal structures; structural steel structures; pre-engineered buildings and building components; and concrete and brick masonry wall systems. His analytical work includes extensive use of computer models for research and analysis of new and existing structural systems.

During college breaks, Mr. Green worked for an architect, at a precast concrete plant, and as a research assistant at the University of California at Los Angeles. He was awarded a year-long scholarship to study architecture at Heriot-Watt University in Edinburgh, Scotland. While a research assistant at the Georgia Institute of Technology, Mr. Green performed large scale experimental testing on partially restrained composite, beam-to-column connections.

REPRESENTATIVE PROJECTS

Building Envelope Assessment

- 3 World Financial Center: Condition survey of World Trade Center collapse damage to facade, New York, New York

Collapse Investigation

- Fisher's Place Parking Garage: Structural investigation and analysis of precast concrete parking garage collapse, Rockville, Maryland
- 13866 Metrotech Drive : Structural investigation and analysis of steel bar joist roof collapse, Chantilly, Virginia
- R.L. Sutton Water Reclamation Facility: Structural investigation and analysis of concrete formwork collapse, Smyrna, Georgia
- City of Snellville Billboards: Structural investigation and repair recommendations for steel billboards, Snellville, Georgia

Load Testing

- FHWA TFHRC: Load testing of 70 ft long, deteriorated, prestressed concrete box beam from NYSDOT, Mclean, Virginia
- Lowe's Motor Speedway: Structural analysis, load testing, repair design and construction observation of grandstand beams, Concord, North Carolina
- Corporate Office Complex: Structural analysis and component testing of precast concrete connections, Atlanta, Georgia

Repair and Rehabilitation Design

- University Arena: Structural investigation and analysis, repair design, construction observation and load testing of cantilevered concrete beams, College Park, Maryland
- Georgia Tech Parking Structure: Structural investigation, structural analysis and peer review, Atlanta, Georgia
- RDU Parking Garage 3: Structural investigation and analysis, repair design and construction observation of post-tensioned beam and floor slab systems, Raleigh, North Carolina
- SWFLANT Vertical Missile Processing Facility: Structural investigation and analysis, repair design and construction observation, King's Bay, Georgia

Structural Analysis

- Lennox Center Court: Vibration analysis of floor system in existing commercial building, Memphis, Tennessee

PROFESSIONAL AFFILIATIONS

American Institute of Steel Construction (AISC)

American Society for Nondestructive Testing (ASNT)

American Welding Society (AWS)

ASCE/SEI Committee on Compression and Flexural Member