

Casey R. Jones | Associate II



EDUCATION

- Purdue University
 - Bachelor of Science, Civil Engineering, 2013
- Texas A&M University
 - Master of Science, Civil Engineering, 2015

PRACTICE AREAS

- Bridges and Civil Infrastructure
- Failure/Damage Investigations
- Repair and Rehabilitation
- Construction Troubleshooting
- Structural Analysis
- Instrumentation/Monitoring/Load Testing

REGISTRATIONS

- ASBI Grouting Training
- NACE Certified Coating Inspector - Level 1
- NHI Course 130055 - Safety Inspection of In-Service Bridges
- NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges

PROFESSIONAL AFFILIATIONS

- NACE International
- Structural Engineers Association of Texas (SEAoT)

CONTACT

cjones@wje.com
832.467.2177
www.wje.com

EXPERIENCE

Since joining WJE in 2015, Casey Jones has performed assessments, evaluations, and rehabilitations of a variety of existing bridges, buildings, and other infrastructure. Representative projects include investigations and repair design of distressed concrete structures, corroded steel structures, and foundation settlement problems. Mr. Jones' experience also includes both destructive and nondestructive field testing of structural systems.

Prior to joining WJE, Mr. Jones worked as a graduate research assistant investigating the use of several nondestructive evaluation (NDE) techniques to perform condition assessment of bridge post-tensioning and stay cable systems. In this research, Mr. Jones evaluated NDE methods which included ground penetrating radar, infrared thermography, ultrasonic tomography, and magnetic flux leakage.

REPRESENTATIVE PROJECTS

Bridges and Civil Infrastructure

- Austin Avenue Bridges - Georgetown, TX: Condition assessments of two steel girder bridges
- Port of Houston Wharves - Houston, TX: Structural assessment of multiple ship wharves
- SH 99 Overpass - Houston, TX: Investigation of prestressed concrete girder damaged during construction
- Various Bridges - Houston, TX: Initial safety inspections

Failure/Damage Investigations

- Condominium - Sarasota, FL: Investigation of failed transfer slab *
- Banner Pole - Houston, TX: Analysis of failed banner pole and development of repair protocol
- Montgomery High School - Montgomery, TX: Evaluation of slab and foundation distress
- Multibuilding Condominium - Orlando, FL: Assessment of water damage within fifteen-building condominium complex

- Storage Facility - Conroe, TX: Investigation of steel corrosion in new construction
- Warehouse Facility - Cypress, TX: Evaluation of slab and foundation distress

Repair and Rehabilitation

- Washington University Parking Garage - St. Louis, MO: Development of garage repair drawings, specifications, and maintenance plan
- Texas Children's Hospital - Houston, TX: Design of structural braces for existing curtain wall systems due to increased wind loading

Construction Troubleshooting

- Mustang Cat Facility - Houston, TX: Concrete tilt-up wall panel repairs incorporating cathodic protection
- White Creek Apartments - College Station, TX: Structural repairs of five-story wood-framed buildings
- Staybridge Suites - Houston, TX: Structural repairs of metal plate-connected wood trusses

Structural Analysis

- 1801 Main Parking Garage - Houston, TX: Analysis of garage deck, superstructure, and vehicular barrier system
- Federal Reserve Bank - Phoenix, AZ: Analysis of existing roof for installation of photovoltaic solar panels
- Office Building - Houston, TX: Evaluation of existing roof for installation of tieback anchors

Instrumentation/Monitoring/Load Testing

- Capitol Tower Parking Garage - Houston, TX: Tension testing of prestressed vehicular barrier cables
- Palo Verde Nuclear Generating Station - Tonopah, AZ: Load testing of fan deck anchors on cooling towers
- Texas Children's Hospital - The Woodlands, TX: Load testing of tieback anchors to OSHA required loads

* Indicates with previous firm