



PERSONNEL QUALIFICATIONS

Jeremy O. Wheelless | Associate II



EDUCATION

- University of Texas at Austin
 - Bachelor of Science, Architectural Engineering, 2016
 - Master of Science, Civil Engineering/Materials, 2018

PRACTICE AREAS

- Steel Structures
- Constructability
- Construction Troubleshooting
- Reinforced Concrete Structures
- Precast/Prestressed/Post-Tensioned Concrete
- Repair and Rehabilitation
- Corrosion Assessment

REGISTRATIONS

- Certified Welding Inspector (CWI)
- Journeyman Ironworker, 2001, LU #482 Ironworker Apprenticeship Program

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction (AISC)
- American Welding Society (AWS)

CONTACT

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EXPERIENCE

Jeremy Wheelless joined WJE in 2018 with more than eight years of experience in the construction industry working as a licensed journeyman ironworker. Since joining WJE, Mr. Wheelless has been involved in the evaluation and rehabilitation of a variety of new and existing structures. His project experience includes the design, rehabilitation, and construction period services on a variety of steel, concrete, and wood structures.

Prior to WJE, Mr. Wheelless participated in a three-year ironworker apprenticeship program, thereafter receiving his journeyman ironworker license and 3G welding certification from the Local Union No. 482 in Austin, Texas. As a journeyman, he worked on a variety of construction types, which included structural steel, architectural precast, tilt-wall, steel bridge, as well as crane and tower crane erection. Mr. Wheelless's practical experience as an ironworker gives him a rare insight into the built world and brings value to WJE projects of all kinds.

REPRESENTATIVE PROJECTS

Steel Structures

- Towers of Town Lake - Austin, TX: Evaluation of and recommendations for structural bracing elements for roof replacement and new installation of life safety restraint systems
- Spur 280 TexRail Bridge - Fort Worth, TX: Structural analysis and roll-in design of new rail bridge

Constructability

- Sunshine Bridge - Donaldsville, LA: Engineering assistance for impact repair of damaged truss chord
- SH 130 - TX: Development of bridge jacking plans

Construction Troubleshooting

- IH-35 Bridge - Temple, TX: Development of bridge demolition plans
- Building 803 - Kwajalein Atoll, Republic of the Marshall Islands: Development of demolition plan

Reinforced Concrete Structures

- Texas State University, Child Development Center Building - San Marcos: Evaluation of existing concrete slab-on-ground foundation for tunneling
- Bay County Water Treatment Plant Train 2 - Panama City, FL: Development of concrete repairs

Precast/Prestressed/Post-Tensioned Concrete

- St. David's Medical Center Parking Garage - Austin, TX: Structural assessment and repair recommendations
- University of Arkansas for Medical Sciences Parking Garage - Little Rock: Analysis and repair design of parking deck

Repair and Rehabilitation

- Bastrop Independent School District, Cedar Creek High School - Cedar Creek, TX: Investigation of foundation movement
- University of Texas at Austin: Evaluation of and repair recommendations for structural bracing elements for roof replacement
- Mustang Island - Port Aransas, TX: Structural assessment of hurricane-damaged structures
- University of Texas at Austin, Speedway and 27th Parking Garage: Inspection of column carbon fiber wrap
- Port Houston Facility Inspection and Condition Assessment Program - TX: Development of baseline condition drawings of maritime assets

Corrosion Assessment

- Texas State University, Tower Hall - San Marcos: Evaluation of concrete column and framing distress
- Graduate research on the use of pore solution, modifying admixtures to mitigate the transport of salt-bearing fluids*

**Indicates with the University of Texas at Austin*