

Benjamin Parmer | Associate III



EDUCATION

- US Military Academy at West Point
 - Bachelor of Science, Civil Engineering, 2018
- Purdue University
 - Master of Civil Engineering, 2023

PRACTICE AREAS

- Steel Structures
- Wood Structures
- Concrete Structures
- Litigation Consulting

REGISTRATIONS

- Professional Engineer in AR, LA, and TX

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- American Institute of Steel Construction
- American Welding Society
- American Wood Council
- Structural Engineers Association of Texas

CONTACT

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EXPERIENCE

Ben Parmer is a civil/structural engineer in the areas of bridge and building structural condition assessments. He performs projects involving wood, steel, and concrete structures. He is also experienced in the analysis and rehabilitation design of historic timber, wood, steel, and concrete.

Before joining WJE, Mr. Parmer served for five years as a United States Army Engineer Officer. He managed multiple rehabilitation construction projects on several army installations and extensively trained engineer units in conducting bridge and road assessments while under fire. Mr. Parmer led combat engineering modernization efforts at Fort Cavazos as the army shifted from conflicts in the Middle East to preparing for a near-peer combat environment.

REPRESENTATIVE PROJECTS

Steel Structures

- Lackland Air Force Base - San Antonio, TX: Investigation of steel roof framing to determine cause of out-of-tolerance decking
- Austin Police Department Parking Garage - TX: Assessment of cracking and spalling of concrete-encased steel columns
- Texas Capitol - Austin: Metallurgical sampling and testing of historic wrought iron trusses
- 625 Freeport Facility - Coppell, TX: Assessment of structural framing distress due to fire damage

Wood Structures

- Texas Capitol - Austin: Replacement of historic copper roof; construction period services
- Texas Capitol Visitors Center - Austin: Analysis and design of framing to support roof replacement
- Windsor South Lamar - Austin, TX: Investigation of wooden floor joist

- Heritage Condominiums - Austin, TX: Assessment and repair design of deteriorated wooden walkways, stairs, and balconies
- University of Texas at Austin, Engineering Education and Resource Center, Mulva Auditorium: Assessment of wood paneled ceiling system

Concrete Structures

- Town Lake Center Parking Garage - Austin, TX: Assessment, repair design, and construction administration services
- Palmer Events Center Parking Garage - Austin, TX: Repair design and construction administration services
- Windsor on the Lake - Austin, TX: Assessment of corrosion distress present throughout parking garage
- Design Repair for Bridges - Beaumont, TX: Design of repairs for various bridges
- Northshore Austin - TX: Assessment of suspended electrical conduit raceways, supporting hardware, and attachment to the concrete structure
- US 183A Phase III Extension - Austin, TX: Review of dowel installation for prestressed girders under construction
- 2900 Esperanza Crossing Parking Garage - Austin, TX: Assessment and repair design
- Austin Community College Service Center - TX: Feasibility study to determine cause and extent of foundation movement; repair recommendations

Litigation Consulting

- Dominican Sisters of Mary, Georgetown Priory - Georgetown, TX: Investigation of building enclosure, stormwater drainage, and pavement issues
- Main Street Market Parking Lot - Abbott, TX: Investigation of distress in asphalt pavement surface
- East Jefferson High School, Joseph S. Yenni Stadium - Metairie, LA: Document review related to investigation of spalling concrete