



EDUCATION

- The University of Texas at Austin
 - Bachelor of Science, Civil Engineering, 2018
 - Master of Science, Civil Engineering, 2020

PRACTICE AREAS

- Bridges and Civil Infrastructure
- Concrete Structures
- Structural Evaluation
- Repair and Rehabilitation Design

REGISTRATIONS

- Professional Engineer in WA
- NHI 130055 - Safety Inspection/Inservice Bridges

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- Structural Engineers Association of Washington (SEAW)

CONTACT

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EXPERIENCE

Maggie Becker joined WJE in 2021 and is engaged in the investigation, assessment, and rehabilitation of various new and existing structures. Her project experience includes concrete, steel, and wood structures.

Prior to joining WJE, Ms. Becker researched the bond strength of unreinforced concrete-to-concrete interfaces as part of a collaboration between WJE and the University of Texas at Austin.

REPRESENTATIVE PROJECTS

Bridges and Civil Infrastructure

- Port of Houston - Houston, TX: Baseline corrosion inspection and condition assessment of numerous maritime assets; condition assessment and repair design for wharf rehabilitation and strengthening
- Port of Corpus Christi - Corpus Christi, TX: Condition assessment, structural evaluation, and repair and rehabilitation design of port facility structures
- Port of Anacortes - Anacortes, WA: Assessment and repair of concrete pile cap
- E130 Light Rail Construction - Seattle, WA: Concrete assessment services for new and existing rail structures
- Wastewater Treatment Plant - King County, WA: Investigation of and repair recommendations for fire-damaged concrete
- Hawaii DOT Bridges - HI: Routine bridge inspections
- Dallas Tollway Bridges - Dallas, TX: Third-party review of expenditure models for ninety-seven structures, including eighty-six bridges, seven culverts, three aqueducts, and one pedestrian crossing

Concrete Structures

- Seattle House - Seattle, WA: Concrete nondestructive evaluation and repair consulting
- Parking Garage - Kent, WA: Concrete condition assessment and reinforcement cover survey
- University Tennis Courts - Flagstaff, AZ: Investigation and repair of failed PT tendons
- Juneau State Office Building, North Garage - Juneau, AK: Construction period services for large-scale concrete repairs of a parking structure
- City Hall Parking Garage - Austin, TX: Assessment and repair design of concrete columns
- Parking Garage - Federal Way, WA: Assessment of post-tensioned anchors
- Light Rail Station - Bellevue, WA: Assessment of water infiltration
- Warehouse - Kent, WA: Investigation of and repair recommendations for distress conditions at tilt-up concrete wall panels

Repair and Rehabilitation Design

- Varner-Hogg Plantation State Historic Site - West Columbia, TX: Assessment and repair design of concrete, wood, and masonry elements of a historic structure
- SeaTac Airport S Concourse Evaluation - SeaTac, WA: Foundation wall assessment
- University of Texas at Austin, Gregory Gymnasium - Austin, TX: Water infiltration investigation and repair design, including stormwater redirection and structural analysis of supporting roof framing
- Texas A&M University, Central Utility Plant - College Station, TX: Rehabilitation of utility plant related to concrete, steel, and masonry
- Fiber Cement Siding Manufacturing Plant - Tacoma, WA: Assessment and repair of steel columns