PERSONNEL QUALIFICATIONS

Becky G. Skondre | Associate III

EDUCATION

- University of Washington
  - Bachelor of Science, Civil and Environmental Engineering, 2016
- Virginia Polytechnic Institute and State University
  - Master of Science, Structural Engineering, 2018

PRACTICE AREAS

- Concrete Structures
- Nondestructive Evaluation
- Design
- Structural Analysis
- Repair and Rehabilitation

REGISTRATIONS

- Civil Engineer in AK, VA, and WA
- Structural Engineer in AK and WA

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers of Seattle

CONTACT

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EXPERIENCE

Becky Skondre is experienced in nondestructive evaluation of structures, failure investigations, and repair of existing buildings. Her analytical work includes the utilization of computer models for analysis of existing and temporary structures. Ms. Skondre has worked on a broad range of projects involving the use of concrete, steel, wood, aluminum, and masonry. She has a particular interest in the assessment, repair, and rehabilitation of concrete structures, including conventionally reinforced, prestressed, and precast sections for both structural and architectural applications.

REPRESENTATIVE PROJECTS

Concrete Structures

- Critical Infrastructure Facility - King County, WA: Investigation of and repair recommendations for fire-damaged concrete
- E130 Rail Structure - Seattle, WA: Independent concrete assessment services for new and existing rail structures
- Spokane County Fire District 9 - Mead, WA: Structural condition assessment of two-story fire department training (burn) facility
- GEG2 Warehouse - Spokane Valley, WA: Assessment of new 1.2M-square-foot warehouse slab experiencing curling
- Warehouse - Kent, WA: Investigation of and repair recommendations for distress conditions at tilt-up concrete wall panels

Nondestructive Evaluation

- HUB Boulder Development - Redmond, WA: Condition surveying and monitoring of adjacent facilities during construction
- High Rise Building - Seattle, WA: UPV, GPR, and MIRA assessments of large transfer girders with construction defects
- Grosvenor Aerial Structure - Rockville, MD: UPV assessment of voiding of new concrete pier cap retrofits
- K-Route Aerial Structure - Vienna, VA: Fracture critical weld and anchor rod inspections at steel transverse box girders
- University Crossing Parking Garage - Charlotte, NC: Condition assessment of precast concrete parking garage, including roll testing of double-tee flange-to-flange connectors

Design

- Commercial Mid-Rise - Bellevue, WA: Design drawings and construction phase services for widening door opening in loading dock CMU wall
- Veterinary Facility - Tukwila, WA: Peer review and construction engineering for renovation of unreinforced CMU building
- Naval Air Weapons Station China Lake - Ridgecrest, CA: Design peer review, analysis, and pre-litigation support services related to steel hanger replacement
- Arlington Education Center - Arlington, VA: Evaluation and repair design for structural damage to precast concrete cladding
- Oak Ridge Apartments - Hagerstown, MD: Repair design and construction phase services for foundation and slab-on-grade experiencing settlement

Structural Analysis

- Brawn Mixers - Kent, WA: Seismic analysis of industrial mixer supports
- San Juan County Courthouse - Friday Harbor, WA: ASCE 41 seismic evaluation and engineering services for seismic retrofits of historic county courthouse
- I-5 Interstate Bridge over the Columbia River - Portland, OR: Development of a 3D bridge model in SAP 2000 for use in refining the load rating for several truss spans of the southbound bridge

Repair and Rehabilitation

- Warehouse - Seattle, WA: Assessment and repair of concrete and wood columns at industrial park
- Warehouse - Kent, WA: Investigation and design of emergency shoring of timber columns
- Manufacturing Facility - Portland, OR: Analysis and repair design for roof collapse due to snow load
- Business Park - Kent, WA: Roof collapse repair and structural condition assessment of multiple single-story warehouses
- Metropolitan Development No. 3 - Lakewood, WA: Roof joist analysis and calculation package preparation for fire-damaged residential structures