



Cecelia Guess

PE

Senior Project Manager

Department

Engineering Services

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Locations

Portland, OR

Biography

Ms. Guess joined YA Engineering Services in 2023. She performs investigations of residential, commercial, industrial, and maritime properties to determine the cause & origin of structural damage and the scope of repairs with anticipated code upgrades. Ms. Guess conducts structural damage assessments for various situations, such as earthquakes, fires, vehicle & tree impacts, snow & wind loads, water & vessel loads, construction defects, etc. She provides detailed reports and works with contractors and jurisdictions to produce permitted repair drawings, as requested. Additionally, Ms. Guess is an experienced expert witness with litigation consulting experience.

Credentials

- PE | Professional Engineer

Representative Consulting Assignments

- Harbor Yacht Club Apartments | Portland, OR | Expert for glass balcony rail sub-contractor
- Weil Arcade Building | Hillsboro, OR | EOR for stability of fire damaged URM building with two shared exterior walls to historical buildings, had to quickly stabilize and structure for active crime scene investigation
- 10-story Historical Building | Portland, OR | Investigation of facade of 10 story Historical building after a nearby propane explosion
- Historical Steiner Cabin | Mt. Hood, OR | Investigate tree impact damage and produce permit set of repair drawings, led anchor testing of cobble stone foundation due to environmental constraints, worked with Forest Service and AHJ in conjunction to all necessary permits
- expert witness for contractor performing seismic upgrades | Portland, OR | Expert witness for contractor performing seismic upgrades
- Vancouver Waterfront Project | Vancouver, WA | Condition Assessment of timber and concrete piers/wharfs and design/code upgrades necessary to re-use structures for new buildings
- Cook Inlet Mooring Line Failure | Cook Inlet, Alaska | Alaska - Fatality due to mooring line failure while docking vessel to re-fuel on monopod platform in Cook Inlet, Alaska
- Warrenton Marina Guide Pile Design | Warrenton, Oregon | Design floating dock and guide piles
- Newport Seafood Wharf | Newport, Oregon | Design new pier for fish market and storage, pre-cast concrete panel deck
- 40-ft private bridge | The Greater Portland Area | Investigation and repair design due to vehicle impact damage, bridge over protected habitat area, produced permit set of design drawings with required code upgrades
- Powell Court Apartment Complex | Portland, OR | Balcony collapse, snow and ice load, produced permit set of repair drawings for 44 balconies

Professional Experience

- 2024 - Current | Senior Project Manager | YA Engineering Services

- 2023 - 2024 | Project Manager | YA Engineering Services
- 2020 - 2023 | Associate | Degenkolb Engineers
- 2019 - 2020 | Project Engineer | Envista Forensics
- 2017 - 2019 | Senior Civil Engineer | CASE Forensics
- 2013 - 2016 | Structural Design Engineer | BergerABAM
- 2012 - 2013 | Structural EIT | ISAT Seismic Bracing
- 2010 - 2012 | Designer/Drafter | JefCO Construction
- 2005 - 2010 | Associate Engineer | Parsons Transportation Group

Area of Practice

- ADA Compliance Assessment
- Building Code Upgrade Review
- Building Envelope
- Condition Assessment
- Construction Administration
- Damage Assessment
- Earthquake Engineering
- Litigation Support
- Marine Structures
- Non-Destructive Testing
- Repair and Rehabilitation Design
- Seismic Evaluations and Retrofit Design
- Seismic Risk Assessment
- Structural Analysis
- Water Leakage Testing and Analysis

Publications and Presentations

- SCAN DESIGN MASTER STUDIO, Seattle, WA, Seattle Waterfront Project

Education

- University of Washington - MSCE - Structural Engineering - Seattle - Washington
- University of Washington - BSCE - Civil Engineering - Seattle - Washington

Affiliations

- OCAA
- PSAA
- SEAO
- ASCE
- CAI
- WIN
- NaWIC
- Building Enclosure Council
- OADC
- RIMS

Licenses

- 91410 - Oregon - Professional Engineer
- 57454 - Washington - Professional Engineer