

Kip Gatto | Associate Principal



EDUCATION

- University of Washington
 - Bachelor of Science, Civil Engineering, 1999
- University of California, San Diego
 - Master of Science, Structural Engineering, 2001

PRACTICE AREAS

- Bridges and Civil Infrastructure
- Earthquake Engineering
- Failure/Damage Investigations
- Litigation Consulting
- Materials Evaluation and Research
- Repair and Rehabilitation
- Structural Analysis

REGISTRATIONS

- Civil Engineer in CA, OR, and WA
- Structural Engineer in AK, CA, OR, and WA

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- International Concrete Repair Institute - Pacific Northwest chapter board member

TECHNICAL COMMITTEES

- ACI 562 - Concrete Buildings

CONTACT

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EXPERIENCE

Kip Gatto has developed expertise in forensic investigation, evaluation, and repair of existing structures. He works with an array of structural types and systems exhibiting various modes of distress resulting from earthquakes, fire and water damage, defective construction, and other conditions. In addition to his experience with modern building materials, Mr. Gatto has experience with historic building materials such as clay brick, stone, historic concrete, and heavy timber. He has a keen understanding of the unique way building codes and industry standards are applied to existing structures. This understanding and his extensive experience allow Mr. Gatto to develop innovative evaluation methods and repair designs for damaged or deficient structures.

REPRESENTATIVE PROJECTS

Bridges and Civil Infrastructure

- Bridge No. 90/50 N - Bellevue, WA: Evaluation of poorly consolidated concrete grout placements
- Reservoir 5C - Pomona, CA: Leakage investigation and rehabilitation of 10 million gallon reservoir
- Reservoir 6 - Everett, WA: Leakage investigation and repair development for damaged slab
- SeaTac Airport Light Bridge - SeaTac, WA: Repair design for steel members damaged by vehicular impact
- Sound Transit Angle Lake Extension - SeaTac, WA: Evaluation and repair design for poor concrete placements in support piers

Earthquake Engineering

- Anchorage Sheraton Hotel - Anchorage, AK: Earthquake damage assessment
- Major Retail Chain - Sendai, Japan: Earthquake damage assessment
- Veterans Administration Hospitals - Various locations, Northwest United States: Seismic condition assessment of numerous facilities for capital planning purposes

Failure/Damage Investigations

- I-84 Robinson Bridge - Nampa, ID: Shoring collapse investigation

- Pacific Lutheran University - Tacoma, WA: Investigation of failed glulam beam
- Tower 333 Crane - Bellevue, WA: Crane collapse investigation

Litigation Consulting

- Morse Square Condominiums - Bellingham, WA: Investigation and consulting regarding alleged wood framed construction defects
- Pony Village Cinema - North Bend, OR: Investigation and consulting regarding alleged concrete placement defects
- Super FN Warehouse - Mukilteo, WA: Investigation and consulting regarding alleged concrete placement defects

Repair and Rehabilitation

- Century Link Field - Seattle, WA: Investigation and repair documents for deteriorated concrete seating bowl joints and concourse topping slab
- Kent North Corporate Park - Kent, WA: Repair design for condensation related decay of wood frame roof elements
- Northwest Corporate Park - Kent, WA: Investigation and repair documents for highly distressed concrete tilt-up walls and slab-on-ground
- Petco Park - San Diego, CA: Assessment and repair/maintenance documents for structural steel coating

Materials Evaluation and Research

- Everett Community College - Everett, WA: Evaluation of delaminated slab concrete
- Nome State Office Building - Nome, AK: Evaluation of corroded steel columns
- Puget Sound Energy Substation - Redmond, WA: Evaluation of concrete and steel materials affected by transformer fire

Structural Analysis

- Four Seasons Seattle - Seattle, WA: Structural evaluation of post-tensioned concrete slabs
- University of Washington Parking Garage - Tacoma, WA: Structural evaluation of lower strength concrete on post-tensioned slabs
- Westsound Orthopedics Building - Silverdale, WA: Structural evaluation of reinforced concrete slabs