



EDUCATION

- United States Military Academy
 - Bachelor of Science, Civil Engineering, 2015
- University of California, Los Angeles
 - Master of Science, Structural Engineering, 2022

PRACTICE AREAS

- Failure/Damage Investigations
- Nondestructive Testing and Evaluation
- Bridges and Civil Infrastructure
- Concrete Structures
- Facade Access and Fall Protection Equipment
- Building Enclosure Consulting

REGISTRATIONS

- NHI Course 130056 - Safety Inspection of In-Service Bridges
- Professional (Civil) Engineer in CA
- Professional Engineer in IN
- Project Management Professional

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- Structural Engineers Association of Southern California

CONTACT

jko@wje.com
626.696.4650
www.wje.com

EXPERIENCE

Jason Ko has conducted various structural investigations, and his expertise involves condition assessments, structural analysis, nondestructive testing, repair design development, and construction contract administration.

Before joining WJE in 2022, Mr. Ko served for six years as a United States Army Engineer Officer working on critical and civil infrastructure projects. He has led construction teams, managed projects in varying project life cycles, designed plans and specifications for the U.S. Army Corps of Engineers, and monitored and enforced quality control measures. Mr. Ko has bridge inspection experience and has designed bridge load rating models. In this role, Mr. Ko has used software including AASHTOWare BrR (Bridge Rating Software), CANDE, Mathcad, Bluebeam Revu, and AutoCAD.

REPRESENTATIVE PROJECTS

Failure/Damage Investigations

- 3033 Wilshire Apartments - Los Angeles, CA: Metal cladding panel failure investigation and repair recommendations
- Multiple Residences - FL: Post-Hurricane Ian condition assessment of multiple residential insurance claims
- San Pedro High School - San Pedro, CA: Corrosion assessment of distressed concrete foundation elements
- Multifamily Construction - Las Vegas, NV: Condition assessment for fire-damaged concrete slab and foundation elements

Nondestructive Testing and Evaluation

- Water Tank Concrete Foundations - Multiple locations, CA: Condition assessment and as-built surveys utilizing numerous nondestructive testing methods
- Target Retail Stores - Multiple Locations, CA: Evaluation of concrete slabs-on-ground
- Naval Medical Steel Stack Assessment - San Diego, CA: Ultrasonic testing of steel flues and condition assessment
- Long Beach City College - CA: Concrete cover survey utilizing ground penetrating radar and impact echo

Bridges and Civil Infrastructure

- Indiana Department of Transportation Bridge Load Rating Refinement: Structural analysis and modeling for load rating refinement of concrete slab, steel truss, and concrete arch culvert bridges
- California High-Speed Rail: Precast concrete tub girder and I-girder assessment; nondestructive testing of concrete box girder
- Lambert Overcrossing - Brea, CA: Nondestructive evaluation of concrete box girder
- Muscatine Bridge - IA: Steel through-truss routine bridge inspection
- Santa Ana Truss Bridge - CA: Historic steel truss bridge inspection
- Route 66 Glulam Bridge - CA: Evaluation of checking in glulam bridge and load rating
- Sound Transit Bridge - Seattle, WA: Evaluation of polyurea coating on bridge deck
- Los Angeles Department of Water and Power Girder Pipe Crossing - CA: Precast concrete double-tee girder assessment and analysis of deteriorated conditions
- Barbours Cut Terminal - Port Arthur, TX: In-depth evaluation and corrosion evaluation of drilled shafts and concrete bulkheads
- Liquefied Natural Gas Foundation Piles - TX: Evaluation of concrete piles supporting liquefied natural gas tanks

Concrete Structures

- Single-Family Residence - Pacific Palisades, CA: Concrete-framed building repair and construction observations
- Del Sol Academy - Jurupa Valley, CA: Slab-on-ground evaluation and condition assessment

Facade Access and Fall Protection Equipment

- US Courthouse - Los Angeles, CA: Structural evaluation and analysis of house stage facade access equipment
- 977 N. Broadway - Los Angeles, CA: Load testing of facade access equipment