PERSONNEL QUALIFICATIONS

John F. Duntemann | Senior Principal

EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Civil Engineering, 1978
  - Master of Science, Structural Engineering, 1981

PRACTICE AREAS

- Structural Evaluation
- Failure Analysis
- Repair and Rehabilitation Design
- Peer Review

REGISTRATIONS

- Civil Engineer in CA and NV
- Structural Engineer in AZ, IL, and LA
- Professional Engineer in DC, FL, GA, ID, IL, MB, MD, MI, NC, ND, NY, SC, TN, and WA

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- American Society of Civil Engineers (ASCE)
- International Association for Bridge and Structural Engineering (IABSE), Fellow
- Structural Engineering Institute (SEI), Fellow
- Structural Engineers Association of Illinois (SEAOI), past president

CONTACT

jduntemann@wje.com
847.272.7400
www.wje.com

EXPERIENCE

John Duntemann specializes in the assessment and repair of structural distress and serviceability problems in buildings, bridges, and other structures. In his forty-year career, he has performed a variety of consulting activities related to new and existing construction, including bridge and transportation structures, civic and commercial buildings, industrial buildings and facilities, stadiums and arenas, parking structures, storage tanks, and temporary structures.

Mr. Duntemann is a Fellow of the Structural Engineering Institute (SEI) and past President of the Structural Engineering Association of Illinois from 2013–2014. In 2006, he served on the Illinois State Task Force on School Plan Review and Inspection. He was also a former member of the National Council of Examiners for Engineering and Surveying Structural Exam Committee (2004–2010), and a member of the ASCE/SEI 7 Standards Committee since 1995.

REPRESENTATIVE PROJECTS

Civic Buildings

- Gaillard Center - Charleston, NC: Design review of civic building/theater restoration
- Burton Barr Central Library - Phoenix, AZ: Roof and fire sprinkler replacement after wind damage
- U.S. Supreme Court - Washington, D.C.: Blast evaluation of replacement windows

Commercial/Residential Buildings

- Reach Resort - Key West, FL: Repair of post-tensioned reinforced concrete building
- Ochsner Hospital - New Orleans, LA: Structural rehabilitation of pile cap foundations

Stadiums/Arenas

- Fenway Park - Boston, MA: Development of repair plans for reconstruction of historic seating bowl
- Talking Stick Resort Arena (f/k/a U.S. Airways Center) - Phoenix, AZ: Design review and reinforcement of long-span steel roof trusses
- New Comiskey Park - Chicago, IL: Development of replacement plans for concourse concrete topping slabs

Bridge and Transportation Structures

- Phoenix Sky Train - Phoenix, AZ: Failure analysis and repair recommendations related to concrete connection details
- I-40 Mississippi River Bridge - Memphis, TN: Review of construction claims related to seismic retrofit design

Industrial Buildings/Facilities

- Electro Winning Building - Kearny, AZ: Repair of industrial mining building subject to extreme differential movement
- Illinois River Energy - Rochelle, IL: Evaluation of cracking in reinforced concrete grain silos

Parking Garages

- 2555 North Clark Street - Chicago, IL: Repair of corrosion damaged post-tensioned concrete parking structure
- McCormick Place Lakeside Garage - Chicago, IL: Analysis and design for reconstruction

Storage Tanks/Pipes

- Atlantic Water Treatment Plant - Norfolk, VA: Design review and reinforcement of expansion joints
- 91st Avenue Wastewater Treatment Plant - Phoenix, AZ: Consultant services related to construction of 72-inch diameter fiberglass-reinforced pipe

Temporary Structures

- SR91 Bridge 20 - Corona, CA: Failure analysis of bridge falsework system
- Los Angeles Metro Bus Maintenance and Operations Facility - CA: Investigation of concrete formwork collapse

TECHNICAL COMMITTEES

- ACI 224 - Cracking
- ACI 423 - Prestressed Concrete
- ASCE 7- Standard Committee for Minimum Design Loads for Buildings and Other Structures - chair, Snow and Rain Load Subcommittee
- ASCE 37 - Standard Committee for Design Loads on Structures during Construction - Chair, Environmental Loads Subcommittee
- IABSE TG5.1 - Forensic Structural Engineering, past chair