



EDUCATION

Iowa State University

- Master of Science, 1990
Material Science Engineering
- Bachelor of Science, 1990
Ceramic Engineering
- Concurrent Degree Program

PRACTICE AREAS

- Mass Concrete
- Thermal Modeling
- Crack Minimization and Avoidance
- Thermal Properties of Concrete
- Service Life
- Construction Troubleshooting
- Litigation Support

REGISTRATIONS

Professional Engineer

- Alberta, Arkansas, British Columbia, California, Colorado, Connecticut, Florida, Georgia, Hawaii, Illinois, Iowa, Kentucky, Manitoba, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nevada, New York, North Carolina, North Dakota, Ohio, Ontario, Oregon, Pennsylvania, Rhode Island, Texas, Virginia, Washington, and West Virginia

HONORS AND AWARDS

- Fellow of the American Concrete Institute (ACI)
- Named "our country's mass concrete expert" and honored as one of five who "significantly influenced the concrete industry in 2008", Concrete Construction

EXPERIENCE

Mr. Gajda and two long-time colleagues founded MJ2 in October of 2017. Prior to this time, John worked for CTLGroup for more than 25 years, where he held various titles of increasing responsibility from Assistant Engineer through Senior Principal Engineer. He was also Vice President of CTLPC (a CTLGroup subsidiary) and managing engineer for CTLGroup in many jurisdictions.

Mr. Gajda works with contractors, owners, engineers and others on mass concrete issues, and has done this on more than 2000 projects around the world (where one to hundreds of mass concrete placements were constructed). On these projects, he works to reduce the cost of construction, improve concrete mixtures, understand and work within project specifications or change specifications, and/or develop project-specific thermal control plans. The plans are tailored to site conditions and based on specialized modeling using software that he developed.

Mr. Gajda routinely gives technical presentations to various audiences and publishes articles regarding mass concrete and related topics. He has authored over 75 articles, publications, and PCA research reports.

PROFESSIONAL SERVICE

American Concrete Institute

- Board of Directors (2021-2024)

- Chair ACI 207 (2010-2016)
Mass Concrete
- Chair ACI 301H (2010-) Mass Concrete Specifications
- Voting Committee Member: ACI 207 and ACI 301
- International Advisory Committee (2021-2024)
- Chair Committee on Awards for Papers (2011-2013)

ASTM International

- Voting Committee Member: C01 Cement, and C09 Concrete and Aggregates

REPRESENTATIVE PROJECTS

Bridges

- Gordie Howe International Bridge, Detroit, MI
- Governor Mario M. Cuomo (Tappan Zee) Bridge, I-287, New York, NY
- Goethals Bridge, I-278, New York, NY
- Kosciuszko "K" Bridge, I-278 New York, NY
- Throgs Neck Bridge, I-295 New York, NY
- Bayonne Bridge Raise, New York, NY
- Antlers Bridge, I-5, Lakehead, CA
- Benecia-Martinez Bridge, I-680, near Concord, CA
- Gerald Desmond Bridge, I-710, Long Beach, CA
- Sixth Street Viaduct, Los Angeles, CA
- San Francisco-Oakland Bay Bridge, I-80, Oakland, CA
- Chain of Rocks Bridge, I-270, St. Louis, MO
- Daniel Boone Bridge, I-64, St. Louis, MO
- Merchants Railroad Bridge, St. Louis, MO
- Stan Musial Bridge, I-70, St. Louis, MO
- Missouri River Bridge, I-80, Omaha, NE

- Mississippi River Bridge, I-74 Moline, IL
- Mile Long Bridge, I-294, Willow Springs, IL
- High Rise Bridge, I-64, Chesapeake, VA
- Bow River Bridge, Calgary, AB
- Port Mann Bridge, near Vancouver, BC
- Frederick Douglas Memorial Bridge, Washington DC
- Woodrow Wilson Bridge, I-95, Washington DC
- Sakonnet River Bridge, Portsmouth, RI
- Tilikum Crossing (Willamette River Bridge), Portland, OR
- SR 520 Floating Bridge, Aberdeen & Seattle, WA
- I-35 Bridge Replacement, Minneapolis, MN
- 3-Mile Bridge, Pensacola, FL
- Galena Creek Bridge, I-580, Reno, NV
- Jamarat Bridge, Mecca, Saudi Arabia
- Second Crossing of the Panama Canal, Panama

Dams and Hydropower

- Lake Mead Intake No. 3, Las Vegas, NV
- Holtwood Hydroelectric Plant, Holtwood, PA
- Ruskin Dam, Vancouver, BC
- Rainbow Dam Hydroelectric Plant, Cascade County, MT
- Duke Energy Bridgewater Hydrostation, NC
- Cle Elum Dam, Cle Elum, WA
- Snoqualmie Falls Hydro Station, Snoqualmie, WA
- Keeyask Generating Station, Gillam, MB
- Bull Lake Dam, Riverton, WY
- Folsom Dam Auxiliary Spillway, Folsom, CA
- LL Anderson Spillway, Placer County, CA
- Soo Lock, Sault Ste Marie, MI

- Lost Creek Dam, Butte County, CA
- Cannelton Hydroelectric Project, Cannelton, IN
- Gilboa Dam Reconstruction, Gilboa, NY
- Red Rock Hydroelectric Project, Pella, IA
- Muskrat Falls Generation Facility, NL
- Chimney Hollow Reservoir, Larimer County, CO
- Rough River Dam, Falls of Rough, KY
- Big Sandy Dam, Farson, WY
- Cedar Cliff Dam, Tuckasegee, NC
- Ohi Dam, Lock Haven, PA
- Hinkley Dam, Cleveland, OH
- Cargill Salt Mine Bulkhead, Cleveland, OH
- Mine Bulkhead, Lyons, KS

Passenger Rail

- California High Speed Rail, Fresno, CA
- Red Purple Modernization (RPM), Chicago, IL
- Honolulu Rail Transit Project (HART), Honolulu, HI
- Edmonton LRT, Edmonton, AB
- Sound Transit, Seattle, WA
- Green Line Extension, Somerset, MA
- Silverline Extension, Washington DC

Buildings and Facilities

- Kingdom Tower, Jeddah, Saudi Arabia
- Tower Palace III, Seoul, South Korea
- GIWW Pump Station and Flood Gate, New Orleans, LA
- Trump Tower, Chicago, IL
- One Chicago Square, Chicago, IL
- Obama Presidential Library, Chicago, IL
- 1000 Michigan, Chicago, IL

- Freedom Tower (WTC-1), New York, NY
- World Trade Center Office Buildings, New York, NY
- 270 Park Ave, New York, NY
- 432 Park Ave, New York, NY
- JFK and LaGuardia Airports, New York City, NY
- Wilshire Grand Hotel, Los Angeles, CA
- 706 Mission, San Fran., CA
- 30 Otis, San Francisco, CA
- Mission Rock, San Fran., CA
- 1000 Clay, Oakland, CA
- Las Vegas Convention Center, Las Vegas, NV
- The Spring District (Block 16), Bellevue, WA
- The Waverly, Seattle, WA
- US Bank(MN Vikings) Stadium, Minneapolis, MN
- UCHealth Hospital Tower 3, Denver, CO
- Children's Hospital, Philadelphia, PA
- W Hotel, Philadelphia, PA

Tunnels

- I-265 Southern Approach, Prospect, KY
- Midtown WB Tunnel, US 58 Norfolk, VA
- Atlanta Water Supply, Atlanta, GA
- Various Chicago CSO (Deep Tunnel) Projects, Chicago, IL
- Lower Olentangy Tunnel, Columbus, OH

Water Treatment

- Echowater, Elk Grove, CA
- Sunnyvale Water Treatment Plant, Sunnyvale, CA
- Biosolids Digester Facility, San Francisco, CA
- Saddle Creek Treatment Plant, Omaha, NE
- Hunt Point Treatment Plant, New York, NY