

## Tong Zhao, PhD, PE, PSP, CCP, CFCC

### Senior Director

Tong Zhao has broad experience in the engineering and construction of infrastructure, industrial, commercial, housing, and environmental projects. He has provided consulting services including CPM scheduling, forensic delay analysis, productivity analysis, cost estimating, forensic engineering, claim analysis and damage analysis on domestic and international construction projects, including natural gas power generation facilities, commercial housing/buildings and World Bank funded large scale water diversion tunnels and dams.

### Selected Project Experience

- Labor productivity analysis and expert witness testimony on a \$600 million long span bridge project in Central America.
- Forensic engineering analysis and expert testimony for a slope failure during the construction of a commercial facility.
- Cost estimating and expert witness testimony on the probable costs for commercial/residential mixed-use buildings.
- Analysis on loss of productivity in several commercial building construction projects using the measured mile method.
- Engineering productivity impact analysis for a \$300 million chemical process plant project in the Middle East as the result of numerous owner changes and directives to the design build contractor's design that resulted in cumulative impact to contractor's engineering productivity and schedule.
- Claim analysis for adverse geological conditions during the construction of river diversion tunnels in a \$4.2 billion World Bank financed multipurpose dam construction project.
- Cost analysis and schedule analysis to help the client reach a settlement through mediation on a claim of about \$200 million associated with a delay of about a year in a \$1.1 billion rail construction project.
- Delay analysis on TBM tunneling in a \$1.5 billion World Bank financed international water diversion project.
- Project management and dispute resolution to complete a \$50 million power generation facility in Virginia.
- Project scheduling and delay analysis for differing site conditions on a power generation construction project in Japan.
- Damage repair cost estimating due to construction defects and water intrusion on multi-story hotels.
- CPM delay analysis and measured mile study to rebut a \$18 million claim in a light rail project.
- CPM delay analysis in a \$80 million wastewater treatment plant upgrade project.



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### EDUCATION

University of Maryland College Park Ph.D. Civil Engineering, 2003

Tsinghua University  
M.E. Hydraulic Structure  
(Construction Mgmt.), 1999

B.E. Construction (HONS), 1996

### CERTIFICATIONS & LICENSES

Professional Engineer (PE)  
Maryland

Planning and Scheduling  
Professional (PSP)

Certified Cost Professional (CCP)

Certified Forensic Claims  
Consultant (CFCC)

### HONORS

*Who's Who Legal: Thought  
Leaders, Construction 2021*

*Who's Who Legal: Consulting  
Experts, Construction Quantum,  
Delay & Technical 2018-2022*

*Who's Who Legal: Construction  
2020-2021*

*2019 Best Paper Award, Journal of  
Legal Affairs and Dispute  
Resolution in Engineering and  
Construction, ASCE*

### LANGUAGES

English, Chinese