

Tong Zhao, PhD, PE, PSP

Senior Director

Tong Zhao has broad experience in the engineering and construction of infrastructure, industrial, commercial, housing, and environmental projects. Tong 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. Tong holds a Ph.D. in Civil Engineering from University of Maryland, College Park, and is a licensed professional engineer in Maryland.

Selected Project Experience

- 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.
- 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 in a \$30 million public facility project.
- 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.
- 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.
- 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.
- Forensic engineering analysis and expert testimony for a slope failure during the construction of a commercial facility.



E-Mail: tzhao@delta-cgi.com

Phone: 703-580-8801

EDUCATION

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

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

Tsinghua University
B. Engineering in Construction (with Honors), 1996

CERT. & LICENSES

Professional Engineer (PE)
Maryland

Planning and Scheduling
Professional (PSP)

HONORS

Who's Who Legal: Consulting Experts, Construction Quantum and Delay, 2018, 2019, 2020

Who's Who Legal: Construction, 2020

SELECTED PUBLICATIONS

"Calculating Lost Productivity: Is There a Better Way?" Journal of the ABA Forum on Construction Law, Spring 2015

"Improved Baseline Method to Calculate Lost Construction Productivity," ASCE Journal of Construction Engineering and Management, February 2014

"Avoiding the Pitfalls in Implementing the Measured Mile Method," AACE International Transactions, July 2013

LANGUAGES

English, Chinese