



BIOGRAPHY

Tong Zhao, PhD, PE, PSP

Director

tzhao@delta-cgi.com
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

LICENSES/CERTIFICATIONS

Professional Engineer (PE) Maryland
Planning and Scheduling Professional
(PSP)

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

"Proving Engineering Productivity
Loss," AACE International
Transactions, July 2012

Expert Witness: Construction Cases
Co-Authored Chapter 10 "Productivity
Expert," October 2011

LANGUAGES

Chinese, English

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.