

Michael J. Harris PE Esquire

Director

Curriculum Vitae

Contact Details

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Professional History

- Warner
Construction Consultants, Inc.
2008 - 2017, 1994 - 1997
- Genoa Corporation 2000 - 2008
- PricewaterhouseCoopers LLP
1997 - 2000
- 3D/International, Inc.
1991 - 1994
- DMJM-3D/I
1988 - 1991
- CRSS + M&E JV
- Saudi Arabia 1986-1987
- Houston, Texas 1984 1985
- U.S. Army Corps of Engineers
Khamis Mushayt, Saudi Arabia
1982 - 1983
- U.S. Army Engineer School Ft.
Belvoir, VA 1981 - 1982
- 11th Engineer Battalion, Fort
Belvoir, VA 1979 - 1981

Education

- Juris Doctorate McGeorge
School of Law University of the
Pacific with Distinction Order of
the Coif 1994
- Bachelor of Science Civil and
Environmental Engineering
Cornell University 1979

Licenses and Certificates

- Professional Engineer - Virginia
- 1985
- Professional Engineer -
California - 1990
- Member of the Bar, North
Carolina, 1994

Current Position

Mr. Harris is a Director with Secretariat International. He is a licensed civil engineer and attorney with over thirty years of construction experience, including over twenty years specializing in construction delay, acceleration, disruption, loss of efficiency, and termination disputes. Mr. Harris' prior construction management experience includes service as an inspector, scheduler, construction engineer, project manager, and scheduling/estimating department manager. He has prepared detailed and master schedules, reviewed technical submittals, performed constructability reviews, developed cost studies, and managed construction of large projects. Since 1994 Mr. Harris has focused on forensic analysis of schedule impacts to construction projects caused by various issues, including production inefficiencies, weather, design issues, change orders, manpower, differing site conditions, management, and material shortages. He is skilled in construction claims analysis and litigation support. Mr. Harris has assisted clients in numerous mediations and has testified as an expert in arbitrations and litigation.

Professional Experience

Mr. Harris' prior construction management experience includes service as an inspector, scheduler, construction engineer, project manager, and scheduling/estimating department manager. He has prepared detailed and master schedules, reviewed technical submittals, performed constructability reviews, developed cost studies, and managed construction of large projects. Since 1994 Mr. Harris has focused on forensic analysis of schedule impacts to construction projects caused by various issues, including production inefficiencies, weather, design issues, change orders, manpower, differing site conditions, management, and material shortages. He is skilled in construction claims analysis and litigation support. Mr. Harris has assisted clients in numerous mediations and has testified as an expert in arbitrations and litigation.

Representative Engagements

Selected examples from Mr. Harris' body of work include the following:

Disputes Resolution Experience Transportation

- Andrews Air Force Base West Runway Repair and Replacement: Delay analysis and damages summary
- Tren Urbano, Puerto Rico: Delay analysis for passenger railway system completion consisting of approximately 17 km of track, 16 stations, operations & maintenance facilities, communications systems, automatic fare collection equipment, train controls, and the manufacture of 74 vehicles
- Don Mills Station, Toronto: Schedule analysis for \$80 million subway station, track, and parking garage project
- Woodrow Wilson Bridge: Delay analysis and mediation support for dispute related to steel erection for the Virginia approach the bascule bridge across the Potomac River Dulles Metro Rail: Baseline schedule review for light rail expansion in Northern Virginia Chesapeake Bay Bridge: Delay analysis for bridge deck replacement

- De Diego Bridge, Puerto Rico: Delay analysis for a bridge reconstruction project Chincoteague, Black Narrows Bridge, Virginia: Delay analysis for bridge construction and demolition of existing bridge
- Tennessee Air National Guard: Prepared delay and issue analysis for a \$10 million aircraft apron and jet fuel storage facility
- New Jersey: Reconstructed as-planned schedule for \$26 million “smart highway” project WMATA Rail Hardening, Washington, DC

Industrial

- Indiana Harbor: Delay analysis for construction of a 267 oven coke making facility Schedule completion analysis for \$40 million Nitric Acid Plant

Government

- Projects at Fort Stewart, Benning, Gillem and Gordon: Review of subcontractor claim for delay extra costs and inefficiencies. Prepared rebuttal report and testified at arbitration
- FBI Biotechnology Center: Review of contractor requests for Equitable Adjustment Camp Sullivan: - Review of contractor requests for time extension for a compound in Afghanistan
- 209th Commando Compound, Afghanistan: Delay analysis and arbitration testimony Fajardo Main Post Office: Arbitration expert witness for Termination for Default at a US
- Postal Service facility in Puerto Rico
- Tirana, Albania: Arbitration expert witness for delay and acceleration dispute, construction of an embassy expansion project
- Lancaster County Administration Building, Reading, PA: Schedule delay analysis for electrical prime contractor
- Kennedy Center: Prepared delay analysis for Eisenhower Theater renovation
- U.S. Botanic Gardens: Reviewed delay analyses for construction of an aluminum framed Botanical garden facility
- Reviewed schedule analyses for claims related to construction of a tritium extraction facility
- Hunter Army Airfield: Delay analyses for construction of military housing projects New Orleans Convention Center: Delay analysis for controls work on a large convention center
- Dulles International Airport: Police Station addition delay analysis
- Dulles International Airport: Vehicle Wash construction delay analysis
- Dulles International Airport: Preparation for litigation on scheduling delays related to \$12 million mechanical utilities contract
- Illinois DNR BRH: Delay analysis for construction of a steel framed office building Peace Shield, Saudi Arabia: Supported attorneys in document discovery, depositions and interrogatories for facility construction and scheduling aspects of a several hundred million dollar termination for default case related to national communication, command and control system
- National Rental Car: Delay analysis for construction of a new rental car facility Reagan National Airport
- Tennessee Air National Guard: Analyzed Request for Equitable Adjustment (REA) on a \$2.2 million vehicle maintenance facility
- N.A. Chaderjian School, Stockton, CA: Claim analysis and resolution on a \$40 million correctional facility
- Belmont Correctional Institution, Ohio: Claim analysis and trial preparation of a \$28 million prison construction project

Commercial

- Hollywood Casino: Delay analysis for weather impacts during construction of a hotel and floating casino
- Venetian: Prepared impact/damages estimate for \$8 million construction of a new central plant and additions to the exposition center for the Venetian hotel in Las Vegas Pointe Orlando: Prepared delay analysis for construction of a retail and entertainment center
- Sea World, Wild Arctic Exhibit: Prepared delay analysis for construction of a \$14 million attraction
- McCormick Place, Chicago: Analyzed \$15 million subcontractor claim related to convention center steel erection
- Plaza Athenee: Schedule analysis for construction of a high rise condominium in Puerto Rico
- Cloverly: Office building and commercial space delay analysis

Power & Petrochemical

- Ramadi, Iraq: Substation construction delay analysis Farabi & Jamila, Sadr City, Iraq: Delay analysis for construction of two substations Keystone Pipeline: Schedule delay analysis on seven pumping stations in Nebraska and Kansas
- Arkansas Nuclear One SGR: Delay analysis and mediation presentations related to steam generator replacement project
- Kewaunee SGR: Delay analysis and mediation presentations for nuclear power plant steam generator replacement project
- Shearon Harris SGR: Delay analysis for nuclear power plant steam generator replacement project
- Dunkirk: Claim review for a flue gas emissions project in western New York Montour: Prepared delay analysis for electrical installation on a Flue Gas Desulfurization project for a 1500 MW power plant project in northern Pennsylvania
- Clean Energy Arborway & Cabot Yard: Mediation expert witness for construction of two compressed natural gas stations
- Petrobras: Delay analysis for conversion of a very large crude carrier (VLCC) to a fuel processing storage offloading (FPSO) facility and a semi-submersible drilling rig into a floating production system (FPS)
- Meizhou Wan: Delay analysis for construction of a coal fired power plant Sabine: Schedule review for construction of a cogeneration power facility at a large chemical plant
- Gregory: Schedule analysis for delays on \$200 million cogeneration power plant

Educational

- Mid-West High School: Delay analysis and damages summary for renovation and additions Albright College: Delay analysis for renovation and expansion of a science center Reading Citadel Intermediate High School: Schedule delay analysis and mediation support Olympic Village: Assisted with schedule analysis for \$40 million construction of student housing and mixed use facilities at a major west coast university
- University of Miami, Litigation expert witness for delays in construction of a nursing school and a communication school
- Colfax: Arbitration expert witness on schedule issues for delay in school construction project
- Assisted with schedule analysis for infrastructure contract for additional student housing at a major mid-western university

Hospitals and Medical Facilities

- Hospital General Menonita: Arbitration expert witness testimony for hospital construction in Puerto Rico
- Bayamon Children's Hospital: Delay analysis and testimony in arbitration for construction of a hospital in Puerto Rico
- Veterans Administration: Delay analysis for hospital renovation Hunter Army Airfield: Medical/Dental facility delay analysis

Water and Wastewater Treatment

- Initial schedule delay analysis for a \$60 million water treatment plant
- Deer Island: Claim analysis on a \$200 million tunneling project
- Prepared schedule delay analyses for municipal wastewater pretreatment and treatment facilities in preparation for arbitration
- Washington, DC: Productivity analysis for lead service pipe replacement project

Construction and Project Management Experience

- Program Management Support Services Contracts Manager, Dulles Corridor Metrorail Project Phase 2
- Program Scheduler for Multiple Command Center and Radar Site program, Saudi Arabia Construction Engineer and Office Engineer, Underground Command Center, Saudi Arabia Construction Manager, Correctional Facilities, California
- Controls Manager, Scheduling and Estimating Department, primarily schools and government facilities
- Facilities Survey and Study for a large Housing and Redevelopment Agency Metropolitan Washington Airports Authority: Capitalization review of \$2 billion airports construction program
- Central Artery/Tunnel Project, Boston: Management contract analysis for the multibillion dollar highway infrastructure project

Testimony Experience

- ICA-Miramar, Corp., Petitioner v. Hospital General Menonita, Inc., Respondent. AAA Case No. 50 T 110 00228 99 (Testimony January 2002)
- Arbitration for Hospital Interamericano de Medicina Avanzada, Villavicencio & Associates Construction Corp. v. Centro Medico de Turbado, Inc. (Testimony August 2008)
- Appeals of Selpa Construction & Rental Corp., Under Contract No. 33295-00-B-0221 PSBCA Nos. 5039, 5142, 5145, and 5348 (Testimony January 29, 2009)
- Maleta Construction Company, Inc. v. University of Miami Case No. 07-6281 CA 40 Circuit Court, 11th Judicial Circuit, Miami-Dade County, Florida (Testimony June 14 - 15, 2010)
- Break Through Construction, Inc. v. HITT Contracting, Inc. Case No. 50 110 T 00596 09 International Centre for Dispute Resolution (Testimony in Arbitration October 7, 2010)
- Elite Construction Company vs. CH2M HILL Constructors, Inc. Arbitration (Deposition February 17, 2012) (Testimony in Arbitration April 12, 2012)
- Frama Construction Company, Inc. and Lord Electric Company of P.R. vs. Rimago Investment & Realty, Inc. Arbitration (Testimony in Arbitration September 19 - 21, 2012)
- Columbia Mechanical, Inc. v. Lifecycle Construction Services, LLC AAA Arbitration No. 30 110 00721 13 (Deposition March 13, 2014) (Testimony in Arbitration March 29 2014)
- American Bridge Company v. Commonwealth of Virginia, et al. Case No. 13CL341 Virginia Circuit Court for the County of Accomack (Deposition July 14, 2015) (Testimony September 24 and 25, 2015)

Publications

- “Precedence Diagramming”, Engineer – 1982 Construction Law Handbook, Aspen Publishing, 1999, coauthored chapter on “Keeping Current and Ahead in the Use of Techniques”
- Proving and Pricing Construction Claims, Aspen Publishing, 2001, coauthored chapter on “Owner Delay Claims”
- Expert Witnesses, 2010 Annual Review from the ABA Section of Litigation’s Committee on Expert Witnesses, coauthored article “Forensic Schedule Analysis of Construction Projects: What Constitutes Reliability?”
- Construction Contract Claims, Changes and Dispute Resolution 3rd Edition, 2016, coauthored chapter on Mitigation and Acceleration

Speeches and Seminars

- “Construction Scheduling” - ABC of Virginia, 1995, 1996
- “CPM Scheduling” - Substitute Professor, George Mason University, 1995, 2001
- “Use of Expert Witnesses in Schedule Delay Cases” - University of Puerto Rico Law School, 2009
- “Expert Witnesses: Proper Care and Feeding and Pitfalls to Avoid” - Construction SuperConference, December 2009
- “Recovery Schedules” - Webinar for WPL Publishing, December 2011, November 2012, November 2013
- “Testimony: Legal, Expert or Lay Opinion?” - Construction SuperConference, December 2012
- “Managing Changes and Resolving Delays in Megaprojects with CPM Scheduling” - Virginia CLE, November 2013
- “What Were They Thinking? Critical Issues to Consider when Preparing and Litigating before a Jury” - Construction SuperConference, December 2013
- “Don’t Get Submerged: Recovery Schedules - Practical and Legal Considerations” - ABA Forum on the Construction Industry 2014 Midwinter Meeting, January 2014 “Mitigation and Acceleration” - Webinar for WPL Publishing, November 2016