

Robert M. Freas, PSP
Principal

Professional Profile

Mr. Robert Freas is a Principal in Exponent's Construction Consulting practice. He has broad and extensive experience in the identification, analysis, and evaluation of construction issues related to scope changes, schedule delay/impact and extended performance, production disruption/inefficiency, and builder's risk and insurance losses. Specifically, he has prepared and analyzed as-planned schedules, updates, time entitlement and time impact analyses, prepared and analyzed as-built schedules, and prepared delay and performance related analyses, productivity-impact and acceleration analyses, and related cost and damages claims. Mr. Freas has participated in the preparation and presentation, and response to a number of major construction, contract and insurance claims and disputes, including Federal procurement and construction contracts. As a part of his participation in numerous project disputes, he has been recognized by courts, boards and arbitration panels as an expert in a wide range of schedule, productivity, cost and damages, and construction related issues.

Mr. Freas also has developed, managed and performed extensive cost recovery analyses and reviews for major construction programs. He also provides clients with risk analysis and management consulting, and strategic planning related to complex projects.

Mr. Freas' construction project experience includes power, industrial and oil process facilities; water and waste water treatment plants; pipelines; hospitals and health-care facilities; educational and laboratory facilities (to BL4 level); sports complexes, Federal government and military-related facilities; hotels, resorts and casinos; high-rise office, mixed use and condominiums; apartments; luxury residences; retail and restaurants; airports; highways and bridges; railroad and light rail, parking structures; correctional facilities; museums, performing art centers and theaters; and tenant improvement build-outs. Mr. Freas' non-construction project experience includes shipbuilding, light rail transit cars, military aircraft production and defense systems, and hardware and software development. Mr. Freas has been involved in major insurance related matters caused by catastrophic events that resulted in significant property damage, business interruption losses, contract performance claims, and multi-faceted litigation totaling in excess of \$2 Billion.

Mr. Freas has been an adjunct professor in the Department of Civil, Environment, and Infrastructure Engineering at George Mason University.

Academic Credentials and Professional Honors

M.S., Engineering Management, The Catholic University of America, 1986
B.S., Civil Engineering, Virginia Polytechnic Institute and State University, 1982

Licenses and Certifications

Planning and Scheduling Professional (PSP), Association for the Advancement of Cost Engineering (AACE) International, #00345

Speaking Engagements

Freas RM. The Future of Oil and Gas Projects in the Americas – Opportunities, Challenges and Risks. Panel Moderator at Construction Superconference, December 2010.

Freas RM. Schedule Training: Analysis of Construction Schedule Changes. U.S. Army Corps of Engineers, Alaska District, September 2010.

Freas RM. Builder's Risk Losses: Coverage and Adjustments. Panelist, Property Loss Research Bureau Claims Conference, April 2011, April 2010, March 2009, April 2008.

Freas RM. Big Dig embankment failure: Mishaps and lessons learned. ASCE Metro Washington Geotechnical Chapter, September 2007.

Freas RM. Catastrophe at the site: How to survive and recover. Panelist, Construction Superconference, December 2006.

Freas RM. Cost recovery without litigation. Panelist, Construction Management Association of America Conference, May 2004.

Freas RM. Speaker on Admissibility of Expert Witness Testimony at Board of Contract Appeals Judges Association's Annual Educational Seminar, January 2001.

Freas RM. Changes to the concept of time in construction for 2000. Panel Moderator at Construction Superconference, December 2000.

Freas RM. Instructor on CPM Scheduling: Changes and Disputes Resolution, Federal Publications Seminars, LLC, September and October 1999, April and May 2000, May 2001, October 2002, April and September 2003, October 2004, September 2005, March 2006, and October 2009.

Freas RM. Speaker at 16th Annual Construction Law Conference, March 2000.

Freas RM. Gaming and resort hotels. Panelist at Construction Superconference, December 1999.

Freas RM. Instructor on Advanced Scheduling Techniques and Mitigating and Analyzing Claims, Associated Builders and Contractors, February 1997.

Freas RM. Instructor on Construction Delay and Disruption Claims, Federal Publications, Inc., November 1996.

Freas RM. Instructor on CPM Scheduling in Mitigating and Analyzing Claims, Federal Publications, Inc. October 1996.

Freas RM. Instructor on Advanced Scheduling Techniques and Mitigating and Analyzing Claims, Associated Builders and Contractors, June 1997.

Freas RM. Speaker on Project Management and Scheduling Techniques at ABA's 4th Annual Construction Institute, Section of Public Contract Law, October 1995.

Freas RM. Instructor on Scheduling Extended or Impacted Performance, Associated Builders and Contractors, March and November 1995.

Freas RM. Instructor on Basic Scheduling Course for Maryland State Highway Administration, April–June 1993.

Co-Instructor on Claims and Scheduling, Chesapeake Division, Naval Facilities Engineering Command.

Publications and Presentations

Freas RM. Cost recovery without litigation. Paper presented at Construction Management Association of America Conference, May 2004.

Freas RM. Project management and scheduling techniques for the small and emerging contractor. ABA's Section of Public Contract Law's Fourth Annual Construction Institute, October 1995.

Freas RM. CPM scheduling—Changes and disputes resolution. Contributing author of Federal Publications Seminars' course book.

Selected Relevant Projects

Transportation

Shaw & U Street Stations and Tunnels, Washington, D.C.

Southern California Rapid Transit District Transit Radio System, Los Angeles, California

I-64/Route 44 Traffic Management System, Norfolk/Virginia Beach, Virginia

Route 80 - MAGIC Systems Contract No. 1, Newark, New Jersey

River Road Bridge (Contract No. 60480) and Dalecarlia Reservoir Access Road Bridge (Contract No. 60574), Bethesda, Maryland

I-90/I-93 Central Artery/Tunnel Project, Boston, Massachusetts

AMTRAK's Northend Electrification Project, New Haven, Connecticut to Boston, Massachusetts

Contract No. C01A6, I-90 South Boston, Boston, Massachusetts

Herndon Monroe Park & Ride Facility, Herndon, Virginia

Route 1 Widening and Improvements, VDOT Contract C00012537C01, Dumfries, Virginia

Signal System Modernization and Enclosure, West End Line, Brooklyn, New York
New Passenger Terminal, Central Illinois Regional Airport, Bloomington, Illinois
Compact Road Project, Republic of Palau
Sections 7B, 8 and 9 Beltway Drainage Facilities & Improvements Las Vegas, Nevada
Lee Roy Selmon Expressway, Tampa, Florida
Brightman Street Bridge, Fall River, Massachusetts

Hotels and Resorts

Holiday Inn, Timonium, Maryland
Venetian Casino & Resort, Las Vegas, Nevada

Health Care Facilities

Fairmount Housing for the Elderly, Richmond, Virginia
Primary Care Clinic, Fort Detrick, Frederick, Maryland
Building 4 Renovations, VA Hospital, Montrose, New York
Assisted Living Facility and Skilled Nursing Facility, Sibley Memorial Hospital, Washington, D.C.
Western Kentucky Veterans Center
Health Center Addition and Renovation, University of Maryland
Buildings 60 and 61, National Naval Medical Centre, Bethesda, Maryland
St. John's Health Center Replacement Project, Santa Monica, California
Medical Command Headquarter Building and Dental Clinic, Fort Belvoir, Virginia

Energy, Industrial and Process Facilities

Chrome Plating Facility, Corpus Christi, Texas
BCH Waste-to-Energy Project, North Carolina
Scottsdale Corporate Yard Relocation, Scottsdale, Arizona
New G/A Architectural Trade #753 General Motors Truck Group, Dayton, Ohio
Scrubber Upgrade, Springfield, Illinois
Central Plant Replacement and Upgrade, Baltimore, Maryland
Central Heating Plant Upgrade, Washington, D.C.
Shell Albion Oil Sands Project, Alberta, Canada
Suncor Energy Plant 52C-305 Fire Rebuild, Alberta, Canada
Huntsman Light Olefin Unit Fire Rebuild, Port Arthur, Texas

Water/Wastewater Treatment Facilities

Conococheague Industrial Wastewater Pretreatment Facility, Williamsport, Maryland
Expansion of Ocean Pines Wastewater Treatment Plan, Ocean Pines, Maryland
Shenandoah Water Treatment Plant, Borough of Shenandoah, Pennsylvania
Fern Hill Water Treatment Plant, West Chester, Pennsylvania
South Cross Bayou Wasterwater Treatment Plant, Pinellas County, Florida
Contract 32 and Contract 54 for Upper Occoquan Sewage Authority, Centreville, Virginia
Neuse River Wastewater Treatment Plant, Phase II, Raleigh, North Carolina

Sedimentation and Flood Control Structures

Experimental Sand Bypass System, Oceanside, California
Channel Rectification, Shallow to Hemingway, Texas

Defense Facilities and Systems

Wideband Satellite Operation Center, Fort Detrick, Frederick, Maryland
Engineering Test Center, Ladysmith, Virginia
Long Beach Fuel Pier Relocation, Naval Station, Long Beach, California
Millimeter/Microwave Simulation Facility, Redstone Arsenal, Alabama
Jet Engine Test Cell, Naval Air Station, Miramar, California
Ordinance Assembly Building, San Nicolas, California
Icelandic Air Defense System (IADS) Telecommunications System, Keflavik, Iceland
F-14D Simulation Laboratory Expansion, Pt. Mugu, California
Prime Mission Equipment/Peace Shield Program, Saudi Arabia
Remote Delivery Site and Vehicle Maintenance Facility, Naval Station, Anacostia, Maryland
DIA Emergency Generator Replacement & Upgrade, Bolling Air Force Base, Suitland, Maryland
Adaptive re-use of Building 5100, Aberdeen Proving Grounds, Aberdeen, Maryland

Courthouse and Correctional Facilities

Butner Federal Prison, Butner, North Carolina
Peumansend Creek Regional Jail, Fort A. P. Hill, Virginia
E. Barrett Prettyman United States Federal Courthouse Annex, Washington, D.C.

Office Buildings, Retail and Multi-use Complexes

National Conference of Catholic Bishops Headquarters Building, United States Catholic Conference, Washington, D.C.
National Education Association Headquarters Renovation, Washington, D.C.
Location Exchange, Camp Pendleton, California
600 Thirteenth Street, N.W., Washington, D.C.
The Francis G. Newlands Building, Bethesda, Maryland
Pentagon Row, Arlington, Virginia
Department of Natural Resources, Springfield, Illinois
Brandsmart USA, West Palm Beach, Florida
Tysons II, Building F, McLean, Virginia
US Embassy in Kabul, Afghanistan
Building W200, Washington Navy Yard, Washington, D.C.

Museums, Performing Art Centers and Sport Complexes

Science Museum of Virginia, Richmond, Virginia
The Pope John Paul II Cultural Center, Washington, D.C.
Maryland Center for the Performing Arts, College Park, Maryland
Adelphia Coliseum, Nashville, Tennessee
Jewish Heritage Museum, New York, New York
Lincoln Financial Field, Philadelphia, Pennsylvania
Ford's Theater Renovations, Washington, D.C.
The National World War II Museum Expansion, New Orleans, Louisiana
Fort McHenry National Education and Administration Center, Baltimore, Maryland
West End, Memorial Stadium, University of Illinois, Champaign, Illinois

Academic and Research Facilities

John Hopkins Academic and Research Building, Gaithersburg Campus, Gaithersburg, Maryland
Polytech New Adult Education Center, Delaware
Academic Building Phase II, NVCC Loudoun Campus, Loudoun, Virginia
Food Science and Tech Center, Eastern Shore Campus, University of Maryland
King Hall Renovations, US Naval Academy, Annapolis, Maryland
L.B. Landry High School, New Orleans, Louisiana

Residential and Condominiums

Eagle Family Housing, Incirlik Air Base, Turkey
Bachelor Enlisted Quarters, Portsmouth, Virginia
Freemason Harbour Condominiums, Norfolk, Virginia
Southwinds Condominiums at Sandestin Phase I, Walton County, Florida
Playa Flamingo Condominiums, Ocean City, Maryland
The Villages at Bear Hill, Boston, Massachusetts
Bachelor Enlisted Quarters, Andrews Air Force Base, Maryland
211 West 18th Condominium, Manhattan, New York