



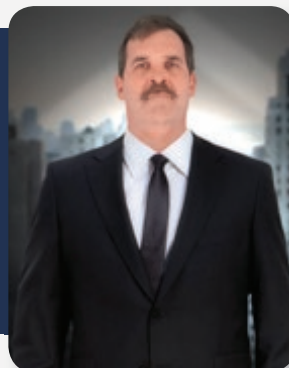
Robert Brockway

Expert Consultant Construction Litigation

Estimating, Project Management
Scheduling, Delay Claims
OSHA Compliance

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Civil Engineering Technologies at Temple University,
Philadelphia, Pennsylvania



Senior Construction Project Manager
Senior Construction Estimator
Senior Construction Scheduler
Adjunct Instructor, Colleges, Technical Schools
OSHA Construction Safety and Health Training

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EXPERIENCE

Mr. Brockway is an expert consultant with over 34 years of experience in construction planning, scheduling, estimating, and project management. He has amassed vast experience in every aspect of a multitude of project delivery systems. From carpenter to contract manager and director of preconstruction, Robert Brockway has personally constructed, planned, scheduled, estimated, coordinated, supervised, and managed over \$1.7 billion of in-place construction.

Robert Brockway's professional career in commercial and industrial construction commenced in 1982 with Mr. Brockway filling the role of utility man in the fabrication and installation of industrial iron work, and then progressed through training to carpentry which ultimately led to employment as a journeyman carpenter. By 1987 Mr. Brockway achieved the position of Project Estimator with Delran Builders Company, Inc. in Wyndmoor, Pennsylvania. He advanced to Chief Estimator in 1992, and through 2016 held a senior management position with multiple construction firms nationally. During his time with these firms, he scheduled, managed, and created estimates for various public, private, and negotiated projects, including new and renovated residential, commercial, hospitality, industrial, educational, and institutional facilities.

Mr. Brockway has developed a mastery of the construction, materials, processes, and protocols necessary to plan, bid, and build, various types of structures for a multitude of end-users including high rise, multi-unit residential, mixed-use, retail, malls, site development, infrastructure, rail, airports, laboratory, hospitals, parking structures, sports complexes, mass transit, Federal Aviation, Department of Energy, Department of Defense, Army Corps of Engineers, and historic restorations.



While at Delran Builders Mr. Brockway scheduled and estimated various urban renewal projects in the Mid-Atlantic region which included interface with local, state, and federal contracting entities as well as local historical societies. Projects ranged in price exceeding \$12MM.

Robert Brockway continued his career trajectory by accepting positions as Vice President of Estimating and Chief Estimator for J.J. Deluca and Daniel J. Keating Company of Narberth, Pennsylvania. This period included work on educational, institutional, commercial, condominiums, high-rise, mass transit, airports, hospitals, stadiums, and urban construction ranging in value to \$45MM.

In 1999 Mr. Brockway expanded his knowledge base by providing specialized consulting services which included providing pre-construction and project management services on a per project basis for several contractors lacking the experience to enter commercial construction projects. Additional endeavors included providing on-site training to construction personnel in the areas of estimating, project management, construction-scheduling, and field supervision.

During this same time period, Mr. Brockway custom tailored, prepared, implemented, administered, and presented comprehensive marketing and business plans to bonding companies and potential investors. Further consultations included providing services to a major bonding company reviewing potential client's business structure and analyzing the potential risks. This led to the opportunity to be engaged to compile and estimate damages caused by a hurricane to an entire school district for use in insurance settlements.

From 2004 through 2011 Mr. Brockway was able to leverage his considerable body of experience into participation in the construction of dozens of significant projects in the Mid-Atlantic region with the area's top firms. While working for Jeffery M. Brown Associates of Huntingdon Valley, Pennsylvania he maintained and nurtured the Class "A" commercial portfolio of a Fortune 500 development company and prepared estimates for, and managed, several Class "A" retail, commercial, and condominium projects. As a construction management department head for IMC Construction, Inc., in Malvern, Pennsylvania, Mr. Brockway was responsible for the total management of all project activities from project inception to closeout including: Pre-Construction, Bid Compilation, Estimating, Scheduling and Planning, and Project Management. He was personally responsible for management and assignment of project managers, estimators, and field personnel, establishment and implementation of project management and estimating procedures, fiscal responsibility for all assigned projects and departmental expenditures, administration of subcontracts (including preparing of same), budget management of projects, schedule preparation and execution, and negotiation of contracts with owners and subcontractors. While at IMC Construction Mr. Brockway was able to successfully lead new market penetration efforts in a stagnant economy, and craft a multi-pronged approach to minimizing risk and increasing profits on zero margin projects. He also established and implemented company-wide project management software protocols and procedures. During his tenure in Pennsylvania, Mr. Brockway worked on projects across the nation that ranged in value to \$454 MM.



Mr. Brockway was not only an estimator and manager; beginning in 1988, he took on the role of educator, instructor, and guest lecturer at various colleges and technical schools, including the American Builders and Contractors Association, The United Brotherhood of Carpenters and Joiners of America, Metropolitan Regional Council, Villanova University, Community College of Philadelphia, and Penn State University. Mr. Brockway's parallel 21 year career teaching in trade schools and colleges included teaching accredited carpenter apprenticeship training for the first year module, journeyman upgrade courses that included scheduling, and core required college level courses including estimating, construction management, and job site management.

In 2011, Mr. Brockway relocated to California and McCormick Construction Company, Inc., in Burbank, and continued to estimate and provide construction management expertise for several commercial projects in excess of \$100MM. Work included providing expert level conceptual estimating reports for various end users for use in commercial development proforma and design build proposals including Municipal lease-back developments. He has also worked with a world renowned engineer to prove concept of emerging technologies in high rise residential construction. He continued through 2013 with Tri-Technic, Inc. of Sonora, California estimating and competitively bidding various life critical public utility and industrial projects in excess of \$50MM. Projects included power plants, transmission lines, substations and switch yards, solar and wind power generation, HVDC converter stations and, water treatment facilities.

Mr. Brockway became a consultant with Bert L. Howe & Associates, Inc., in Anaheim Hills, California in 2013. He has demonstrated exceptional communication, organizational, and technical writing skills, and can effectively interact with design professionals, owners, attorneys, municipal officials, and tradesmen with full comprehension on any construction-related issue.

Due to his diverse and comprehensive operational background in multiple construction disciplines, Mr. Brockway has been designated for expert testimony over twenty times, and has been deposed multiple times in five States. He has participated in arbitration, mediation, trial preparations, and made presentations for cases that were won or settled successfully.



PROFESSIONAL TEACHING EXPERIENCE

2008 – 2009 Adjunct Instructor
Penn State University
Pennsylvania College of Technology

All classes are core course requirements to qualify for a B.S. degree in Construction Management. Classes taught: Scheduling, Construction Management, and Job Site Management

2007 – 2009 Adjunct Instructor
Community College Of Philadelphia
Department of Architecture, Design and Construction

All classes are core course requirements to qualify for the A.A.S. (Associate in Applied Science) degree in Construction Management. Classes taught: Construction Cost Estimating I and Construction Cost Estimating II

2006 – 2007 Guest Lecturer
American Society of Professional Estimators Chapter 61
Subject presented: Pre-Construction Management

1994 – 2003 Instructor
The United Brotherhood of Carpenters and Joiners of America
Metropolitan Regional Council
Philadelphia Carpenters Joint Apprenticeship Committee

All classes are for journeyman carpenters who are training to be superintendents, supervisors, and project managers. Classes taught: Scheduling

1996 – 1997 Guest Lecturer
Villanova University
Center for Engineering Education and Research
Subject presented: Application of Engineering Principles in Construction Management

1988 – 1992 Instructor
American Builders and Contractors Association (ABC)
National Center for Construction Education and Research (NCCER)
Central Montgomery County Area Vocational Technical School

All classes are core course requirements to qualify to be a Journeyman Carpenter. Classes taught: Carpenter's Apprenticeship Training – Year 1



AREAS OF SPECIALIZATION

Mr. Brockway is considered a veteran in hard-bid compilation and construction management for projects located throughout the United States. He provides a professional level of expertise with regard to the principals of, estimating, construction management, planning, OSHA protocols, and knowledge of in-place construction systems. His background and experience are well suited to assignments wherein he provides expert opinion relative to matters of budget, construction, standard of care, standard of practice, and OSHA Regulations.

Mr. Brockway also provides forensic schedule analysis. His experience encompasses all universal scheduling concepts, including all forms of observational and modeling methodologies. His extensive experience in the field of schedule creation, management, and analysis as practitioner, teacher, and delay claim analyst allows the client to benefit from his unique combination of skills in development and execution of appropriate claim strategies relative to desired results.

Mr. Brockway possesses the business acumen and technical expertise necessary to navigate the assorted challenges that influence the complicated environment of men, materials and equipment of an active job site. He also is familiar with state and local building code criteria, union agreements, contract documentation, including specifications and details of construction.

Mr. Brockway is proficient in many software applications, including Sage, Timberline, Primavera, Microsoft, Prolog, and Oracle. He has knowledge of office systems, databases, word processing, and spreadsheet programs, including on-screen take-off software and web-based applications. He has pioneered, designed, and implemented a proprietary computer-based construction costing software program, as well as a program created specifically for contract control systems.

Specialized Expert Support in:

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| ▣ Mediation and Trial Support | ▣ Jobsite Safety Analysis |
| ▣ Allocation of Subcontractor Liability | ▣ General Contractor Responsibilities |
| ▣ Forensic Schedule Analysis | ▣ Subcontractor Responsibilities and Standards of Care |
| ▣ AIA Contract Analysis | ▣ Project Management Standards of Care |
| ▣ Subcontract Agreement Analysis | ▣ Schedule Compliance |
| ▣ Scope of Work Determination | ▣ Delay Claims |
| ▣ Change Order Analysis | ▣ Federal Project Contract Administration |
| ▣ Construction Means and Methods | ▣ Performance Assessment |
| ▣ RFI Analysis | ▣ New Construction Estimating |
| ▣ Billing Procedure Standards | ▣ Repair Estimating |
| ▣ Personal Injury Claims | ▣ Fire Reconstruction Estimates |
| ▣ Contractor and Carrier Liability | ▣ Industry Breach of Standards Care |
| ▣ Site Investigation Reports | ▣ LEED Compliance Analysis |
| ▣ OSHA Standards | ▣ ADA Compliance |



CONSTRUCTION MANAGEMENT AND FORENSIC EXPERIENCE

- ▣ Federal, State, DoE, and DoD Project Experience
- ▣ Institutional Projects
- ▣ Forward Planning and Entitlement
- ▣ Site Development
- ▣ Commercial Projects
- ▣ Sports Complexes
- ▣ Educator - Estimating, Scheduling, Construction Management
- ▣ Estimate Preparation
- ▣ Scope of Work Documents
- ▣ Contracts and Proposal Preparation
- ▣ Construction Management
- ▣ Scheduling
- ▣ Risk Management
- ▣ Infrastructure Development
- ▣ Educational and Institutional Projects
- ▣ Medical Facility Construction
- ▣ Airports and FAA Projects
- ▣ Rail Expansion Projects
- ▣ Multi-Unit Residential Projects
- ▣ Laboratory Facilities
- ▣ Parking Structures
- ▣ Retail Development and Tenant Improvement Projects
- ▣ Public Utility Projects
- ▣ Educational Renovation Projects
- ▣ Institutional Renovation Projects
- ▣ Report Preparation
- ▣ Software Development and Implementation
- ▣ Professional Consultant Coordination
- ▣ Staff Management
- ▣ Project Monitoring and Protocol Development