

Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

EDWARD J. ZEMECK, P.E. Civil Engineer

PROFESSIONAL EXPERIENCE

2010 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation involving construction site safety; vehicle and highway accidents; street, sidewalk and parking lot construction; bridge, highway, underground utilities, pole, line and tower construction; as well as multi-story new building construction and restoration.

- Road and street maintenance and protection of traffic
- Water erosion, flooding and drain systems
- Construction site safety and health program management
- Use of personal protective equipment
- Excavation and trench shoring
- Working at heights and fall protection
- Confined space definition and entry
- OSHA Regulations and New York Labor Law

Construction Management Experience:

Duties included reviewing, negotiating and approving contracts and subcontracts, writing and implementing contract language, familiarity with technical specifications, interpreting scopes of work and contract obligations and deciding on means and methods to complete contract requirements. Reviewing and approving change orders. Cost estimating, bidding unit price and lump sum contracts. Provided leadership to crew up projects, select equipment, subcontractors and suppliers to successfully build projects to strict specifications and budgets. Projects involve:

- Bridge and Highways
- Foundations and Formwork
- Shoring, Excavation and Sitework
- Concrete placement and concrete pumping
- Sewer, Water, Gas Mains
- Large Dam, Marine and Powerhouse Construction and Rehabilitation
- Underground Electrical and Telephone Ducts and Vaults
- Cellular Telephone Tower and Site Construction
- Multi-Story Commercial Buildings
- Single Family Residences
- Façade Restoration and Interior Refurbishing of existing Multi-Story Buildings
- Historical Restoration of National Register Listed Properties

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Design & Design Build Experience:

Completed field work and designs for site grading and drainage, foundations, crane placement and crane rigging, cofferdams, earthen dams and their waterworks. Worked closely with Soils Engineers on design and construction of retaining walls, underpinning and engineered soils. Participated in the design of light commercial and residential buildings. Solely responsible for the design, permitting and construction of residential building additions. Consulted on historical building construction renovations and provided the engineering required for the installations of the renovations. Keen observation skills and many years of sizing up building and site conditions lend to renown for problem solving.

1988 to
2010 **Prize Construction Inc.**, Scotia, NY
President and Owner

Over twenty years of managing company that self performs projects requiring special expertise and technical skills. Coordinated specialty subcontractors into the mix of highly skilled tradesmen. Successfully contracted for and constructed projects as diverse as underground vaults and ductbanks to cellular tower and antenna installations on high-rise buildings and helicopter lifts on remote mountaintops. Attained Company Qualification as approved Subcontractor for Bechtel, Inc. and General Dynamics. Subsequently performed construction operations in three states to the satisfaction of Prime Contractor and Owners. Completed Historical building construction to the complete satisfaction of established preservation Architects by adherence to the guidelines of the Secretary of Interior Standards. Gained a reputation in the field of historic preservation as a proponent for preservation of landmark buildings. Maintained Operator Qualification Program and Drug and Alcohol Testing Program in conformance with USDOT provision as required for 3 year Term Contract Agreements for Central Hudson Gas & Electric Corp. for gas pipeline and regulator station work.

1983 to
1988 **Barsons Construction Inc.**, Schenectady, NY
Division Manager

As Division Manager, successfully oversaw a workforce of direct hires, Foremen, Superintendents, Project Managers and office staff numbering at times 70 persons spread out over 7 states in the Northeast. Directed personnel, materiel and equipment to successfully complete multiple projects. Coordinated and conducted marketing of new work, budgeting and controlling job costs and estimating and negotiating prime contracts, subcontracts and change orders. Cost analyses of jobs were performed to guide and track performance of crews and projects. Client list included all major utilities such as AT&T, Verizon, Sprint, Central Hudson, Niagara Mohawk; General Electric, NYDOT & ConnDOT and national developers. Overcame geographic hurdles to construct cross-country communications trunkline involving tunneling and remote site building construction. Bridge, Highway and Site projects were completed throughout the northeast while maintaining close network with main office and

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interdepartmental cooperation and frequent communication with executive staff and company owners. Consistently succeeded to perform as the most profitable company division.

Concurrently held position of Company Safety Officer that required implementation and oversight of jobsite safety programs in accordance with OSHA guidelines and Labor Laws. Developed extensive knowledge of safety practices and employee training process. Emphasis was placed on trench safety, fall protection, ladders and scaffolds and onsite observance. Enforced and impressed the need for safety first on all projects.

1972 to 1983 **Weber Construction Inc.**, Schenectady, NY
Manager and Vice-President

Served in several roles for major Heavy and Highway firm. Worked as Field Engineer on New York State DOT projects. Acquired first-hand experience for layout and site control of bridge and highway work. Project Superintendent on Bridge and Highway projects, major municipal sewer and stormwater and water main projects. As Project Manager and Vice-President responsible for the bidding and managing of major large dam and powerhouse projects as well as major utility infrastructure installations of gas main, electric and telephone underground systems. Acquired a strong working knowledge of the strict standards and specifications for Federal Highway Administration bridge and highway work, especially the proper placement of reinforced structural concrete. Worked closely with engineers and architects on meeting stringent quality requirements for retaining walls and foundations and soils placement. Early on recognized the value of developing strong industry contacts based on integrity and responsibility to the professions of construction and engineering that continue to this day.

PROFESSIONAL CREDENTIALS

Professional Engineer: New York State

Contractor License:

Massachusetts: Construction Supervisor

Florida: Building Contractor (Inactive)

Connecticut: Antenna Installer

Certifications:

Certified Climber and Trainer and Rescue

Certified JAHN Restoration Mortar Installer

OSHA 10 Hr. Course and Fall Protection Certified

Op Qual Task 70 Office of Pipeline Safety USDOT (2002)

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EDUCATION

B.S., Civil Engineering, Syracuse University College of Engineering, 1972
B.S., Forest Engineering, SUNY College of Environmental Science and Forestry, 1971

Continuing Education:

Energy Efficiency Services, Commercial & Industrial Incentive Programs, New York
State Energy Research and Development Authority, Saratoga Springs, NY, 2011
Historic Preservation: Concentration in Historic Building Construction, Pratt Institute
Manhattan, Center for Continuing Professional Studies
Accounting and Business Finance Coursework, Union College, Schenectady, NY

ACTIVITIES

Registered USA Volleyball Player since 1981
Active in Senior Men and Men's B Sanctioned Tournaments

EXPERT NOT RETAINED