

RESUME

JOHN E. CLARK, P. E.

SYNOPSIS:

Mr. Clark, a graduate of the University of Connecticut, School of Civil Engineering and a Professional Civil Engineer has 30 years of "hands-on" experience in the engineering, supervision, administration and management of heavy and highway construction in Northeastern United States. He also has 15 years as a Professional Civil Engineering consultant, offering services worldwide to contractors and owners in matters of construction means and methods, design, cost estimating, scheduling, dispute resolution, litigation, and forensic investigation.

During his career, Mr. Clark authored a book titled "Structural Concrete Cost Estimating", published by McGraw-Hill Book Company. He is a member of the American Society of Civil Engineers and a past member of the National Society of Professional Engineers, Vermont Society of Engineers, American Concrete Institute and the American Society of Highway Engineers. He has presented papers before conventions and private groups in the United States and abroad, on subjects of cost estimating, construction technology, contract changes, mass-diagram applications and fixed price contracting. He is a sustaining member of The Dispute Resolution Board Foundation and its Florida Chapter and has completed the related Administration and Practice Workshop as well as the Chairing Workshop.

EXPERIENCE:

Time related, descriptions of Mr. Clark's career activities are as follows:

1952 – Previous

State of Connecticut and U.S. Army Corps of Engineers

While attending college, Mr. Clark worked summers as a surveyor at the Mansfield Hollow Dam project near Storrs, CT and also worked on bridge repair for State of Connecticut.

1952 – 1953

Metropolitan District Bureau of Public Works, Hartford, CT

Design of, and inspection for, sanitary sewer systems.

1953 – 1975

The Lane Construction Corporation, Meriden, CT

Engineer, 11 years – Cost analysis, bid estimates, highway survey, construction design and other technical responsibilities in New York, Pennsylvania, and States in New England.

Project Manager, 4 Years – Construction of Highway and Bridge projects in New England. Responsibilities included quarrying, borrow, aggregate processing, concrete batching, asphalt batching, bridge and other concrete construction, steel erection, equipment acquisition, labor relations, subcontractor coordination, scheduling and cost results.

District Manager, 7 Years – Management of multiple highway, bridge, and dam projects, Northeastern U. S. Responsible for preparation of bids and cost effective engineering, administration and management of projects. Examples of projects are:

- Burnsville Dam, Burnsville, WV – Mass concrete spillway, rock fill dam. U.S. Army, Corps of Engineers.
- Woodcock Dam, Meadville, PA – Earth fill dam with concrete spillway. U.S. Army, Corps of Engineers.
- Interstate Highway Projects, Vermont and Massachusetts – Including I91, I89 and I495, grading, drilling and blasting, dredging, bridges, drainage, quarrying, aggregate processing, paving and completion.
- Fort Totten Subway Section, Washington, D.C. – Surface and cut and cover subway.

1975 -1977

Nello L. Teer Company, Durham, NC

Manager, 2 Years – Responsible for all activity associated with construction of heavy, highway and industrial projects. Examples of projects are:

- Hydroelectric power plant, Laurel, KY – Concrete batching, forming and placing of concrete, construction of cofferdams and erection of heavy equipment and structural steel.
- WMATA subway station and line, Arlington, VA – 100 foot deep cut and cover including all support of excavation, excavation and backfill, concrete tunnels and station, tracking, and finish ready for use.
- Paper processing facility, Albemarle, NC – Steel fabrication and heavy erection of processing units.
- Interstate 40 outside Atlanta, GA – Grading , bridge construction and paving.

1977 – 1978

Underground Technology Corp. , Alexandria, VA

Manager, 1 Year – Responsible for consulting services to government and private clients. Examples of services are:

- Design of a rock fill dam and spillway for a coal company in Century, WV.
- Design and construction management for three highway bridges in Upshur County, WV.
- Preparation of a bid cost estimate for construction of an underground subway station and line. Bethesda, MD.
- Study of mixed face tunnel cost overruns in the US, National Science Foundation, Washington DC.
- Preliminary analysis of costs and methods for construction of an underground, MX Missile System, US Government.

1978 -1982

The Driggs Corporation, Capitol Heights, MD

Manager, 2 Years and President, 2 Years – In charge of engineering, administration and construction for highways, bridges, site developments and airport projects. Examples of projects are:

- Runway Extensions, for National Airport, Washington, DC. Work included hydraulic transfer of fill material into the Potomac River, grading, trucking and paving.
- Flood control construction, Four Mile Run, Arlington, VA – Grading, mining and rock crushing and placement of Gabion river bank protection. US Army Corps of Engineers.

- Highway and bridge construction Projects on I66, I270, VA Route 7, VA Route 123 in Washington DC and Virginia. -

1982 – 1996

J. E. Clark, Incorporated, Mason Neck, VA

President, 14 Years – As owner of this firm, Mr. Clark offered a full range of services to the firms clients that reflected his broad capabilities and experience, supported by experienced professional employees. Mr. Clark was directly responsible for all activities, examples of which follow:

Management and Operation – Develop and manage construction organizations for major projects foreign and domestic.

- Christian E. Siegrist Dam, Schuylkill Co. PA – A 90,000 cubic yard roller-compacted concrete dam with slip-form facing.
- Istanbul Light Rail System, Istanbul, Turkey – Advisory to contractor on operations, methods and design for underground and surface construction.

Cost Estimating – Provide complete construction cost estimates for all types of civil construction.

- Baldwin Bridge, Saybrook, CT – For construction of a new Connecticut River crossing including marine and land-based work.
- Cumberland Gap Tunnel, Cumberland Gap, TN – Open cut and rock tunneling with extensive ground support, for a new highway.

Design – Most designs provided were for facilities and procedures required in the execution of construction tasks.

- Box Girder Forms, Richmond, VA – Forms for cast-in-place concrete box girders on the new US Route 1 bridge over the James River.
- Sludge Lagoon, Hanover, VA – Large clay and shotcrete sludge holding facility.

Geotechnical – Almost all earth-bound structures require geological and/or geotechnical considerations, before an installation is begun in order to avoid problems. This applies to temporary as well as permanent installations.

- North Shore Tunnels, Milwaukee, WI – Investigation of geotechnical interpretations made and differing site conditions in tunnel construction.
- Earth Support, Washington, DC – Support of excavation design for a structure over Amtrak at the Portals.

Investigation – On occasion, an investigation is necessary to determine the cause for a structural failure or unexplained occurrence.

- Post Tension Failure, Washington, DC – Investigate the cause for structural failure in post tensioned floor slabs for a 42,000 square foot, eleven story office building
- Crane Boom Failure, Arlington, VA – Determine the cause for the boom collapse.

Claims Preparation and Analysis – Claims in the construction industry for added payment due to delays, contractual changes, differing site conditions, work stoppage, etc. are not uncommon. Some claim have been complex and extensive, requiring a great deal of research and preparation.

- Al Ain International Airport, Al Ain, UAE – Delay and impact due to changes in construction of a new commercial and military airport.
- Structural Steel Erection, San Antonio TX – Differing site conditions, delay and impact on steel erection for the roof of the Alamodome.

Expert Testimony – Mr. Clark has testified as an expert in over thirty five cases involving construction related disputes and issues.

- Town of Virgilina, VA – Defense against a claim for delay and added cost due to added rock excavation in sanitary sewer trenches. U. S. District Court – jury trial. Expert in Contract interpretation and the effect of increased rock on contractor cost.
- Maryland Department of General Services, Annapolis, MD – Defense against claims of delay and added expense associated with Structural steel fabrication and erection and its impact on subsequent construction at the Eastern Correctional Institute, Somerset, MD. M DOT Board of Contract Appeals. Expert on structural steel design, fabrication and erection and delay.
- Zurich Insurance Company, Schaumburg, IL – Defense against claim of damage to a retaining wall and roadway due to installation of a large underground storage tank. Jury Trial, Superior Court, Washington, DC. Expert in earth support system design. Cost and construction methods.

International – Mr. Clark and staff have performed services for clients overseas on a number of occasions. Some were as follows:

- World Bank, Washington, DC – A feasibility study and construction cost estimate for a proposed toll highway

and bridge across the Danube River, Hungary. Included a site examination, meetings with State and city officials and with the proposed French contractor.

- Saudi Arabia – Prepare delay and added cost claims for construction of 17 radar sites.
- Cancun, Mexico – Prepare pricing for construction of a marina and housing development