

Curriculum Vitae
of
John J. Eberhardt, P.E
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Summary/Overview:

Mr. Eberhardt is the president of J. E. Engineering & Inspections, Inc., and is a licensed civil engineer in the State of Texas providing engineering and design services for residential, commercial and industrial projects.

Mr. Eberhardt has over 35 years of civil engineering experience and has been in business since 2003. Mr. Eberhardt was also a TREC licensed home inspector for 9 years and since had his TREC license expire in 2012. Mr. Eberhardt was employed by a number of large engineering and manufacturing companies as an Engineering Manager, Project Manager, Construction Manager and Project Engineer. His expertise includes construction engineering management and design. He has recently completed residential, commercial and industrial projects involving stormwater drainage, stormwater detention, grading and paving, potable water, sanitary, construction safety, stormwater pollution prevention plan (SWP30), notice of intent (NOI) and traffic. Additionally, from 2011 to 2018, Mr. Eberhardt has been an Adjunct Faculty member at Wharton County Junior College teaching construction management courses. He has taught five course subjects; Construction Management, Construction Materials and Methods, Construction Specifications and Contracts, Construction Estimating, and Construction Mechanical, Plumbing and Electrical. He is presenting an Adjunct Faculty Member at Houston Community College teaching Construction Engineering Technology courses.

In the 1980's, Mr. Eberhardt was an Expert Witness regarding a walking lift truck accident. The truck driver was told by a supervisor that there was no one available to unload his truck and gave him permission to use the walking lift truck. The driver smashed his fingers against the truck. The lawsuit was settled in arbitration outside of court.

In 2016, Mr. Eberhardt was an Expert Witness regarding a home inspection report completed by a professional engineer licensed in the State of Texas. The home inspection report was insufficient and had not reported numerous building code violations. The lawsuit was settled in arbitration outside of court.

Education/Licensing:

MS, Civil Engineering, Stevens Institute of Technology, Hoboken, NJ, 1994
MBA, Management, Western New England College, Springfield, MA,
BS, Civil Engineering, Polytechnic Institute of N.Y. University, Brooklyn, NY,
BS, Aircraft Maintenance Engineering, Northrop University, Inglewood, CA,
Texas Professional Engineer License #91335
Texas Certificate of Registration Firm Number F-7398
Civil Engineering Experience:

J.E. ENGINEERING & INSPECTIONS, INC., Richmond, TX (2003-Present)

President

- Responsible for engineering and design for storm water drainage, storm water detention, grading and paving, domestic water, sanitary, construction safety, storm water pollution prevention plan (SWP3), notice of intent (NOI) and traffic.
- Strong background in drainage mitigation and conveyance problems, and with government agencies' criteria (TxDOT, HCPID, MUD, City of Houston, and etc.).
- Performed residential inspections
- Developed site plans for residential, commercial and industrial projects.
- **Adjunct Faculty Member at WHARTON COUNTY JUNIOR COLLEGE (2011-2018) and HOUSTON COMMUNITY COLLEGE (2018 – Present)** teaching Construction Engineering Technology courses.

PROJECT PLANNING & DELIVERY, INC., Durham, NC (2001 - 2002)

Project Manager Consultant (Client interface and project development for pharmaceutical and biotech projects)

- Responsible for the inspection and cost estimate of a \$3MM renovation of a 10,000 sq. ft. pharmaceutical pilot plant for Magellan Labs, Durham, NC,
- Provided a \$100K savings on biotech equipment for Trimeris Inc., Durham, NC.
- Responsible for providing an improved design, cost estimate, and schedule for a \$100MM biotech plant that will grow fronds for protein extraction at Biolex, Durham, NC. Projected savings of \$10+MM.

SHIMIZU AMERICA CORPORATION, Durham, NC (2000-2001)

Project Manager (Leadership of Project Team including project development for capital projects from \$10K to \$500 K of a manufacturing plant)

- Assigned to AWNC/Durham, NC site to work on multiple industrial projects including infrastructure projects at a new manufacturing plant for Toyota Camry transmission parts.
- Managed the inspections, cost estimates, obtaining capital funds, writing contracts, managing schedules, and budgets, and supervising subcontractors.
- The total cost estimate for various projects was approximately \$16.0MM.

LOCKWOOD GREENE E&C, Spartanburg, South Carolina (1999 – 2000)

Chief Project Engineer/Constructability and Value Engineering (Leadership of a value engineering exercise including project development for a Merck laboratory building)

- Completed assignment at Merck/Wilson, NC site to construct a new Stability Laboratory Building.
- Managed the completion of the Basis of Design (BOD) and the Project Execution Plan (PEP).

- The total cost estimate for the Merck Lab Building was \$17.0MM (38,000 sq. ft.).

FLUOR CORP., Greenville, South Carolina (1995 – 1999)

Senior Project Engineer/Construction Manager (Personally prepared cost estimates for mechanical equipment and civil infrastructure construction elements for process plants)

- Alcoa, Tennessee: Estimated and managed the installation of the Green Mill Pitch Fume Treatment System for the Electrode Department. The total cost estimate was \$4.5MM.
- Fluor, Sugar Land, TX: Responsible for the specifying of rotating equipment for the petrochemical plants (technical RFQ's, bid evaluation, and drawing review for both ANSI/API rotating equipment). Estimated the mechanical price of \$46MM for the Valero Fluid Catalytic Cracking Unit Expansion at Texas City, Texas, and \$134MM for a large LNG terminal in Cochin, India.
- Roche Vitamins (pharmaceuticals), Freeport, TX: Managed the design of a new packaging building to satisfy cGMP requirements (separating C25 product that is a teratogen from Beta Carotene, a food grade material). The total cost estimate was \$1.5MM.
- Milliken (carpet manufacturer), LaGrange, GA: Managed the intensive review of project cost accounting records for accuracy and needed correction. Corrected over \$8MM in project cost accounting. Managed the interview of plant personnel to compare pre-fire to post-fire equipment installations. Estimated equipment cost differences of pre-fire to post-fire equipment installations. The total cost estimate was \$400.0MM.
- Roche Carolina (pharmaceuticals), Florence, SC: Estimated and managed infrastructure projects from \$5K to \$100K achieving on time/within budget. Developed engineering cost estimates and schedules using Microsoft Project. Managed the design and installation of storm drainage, earthwork, and asphalt paving of parking lots. Managed the design and installation of added fire protection for the site. Reduced engineering costs by providing hands-on engineering services on mechanical and civil projects. The total cost estimate was \$5.2MM.

PHARMACIA BIOTECH, INC., Piscataway, New Jersey (1991 - 1995)

Process/Project Engineer

- Managed design/installation of \$200K+ automated liquid chromatography systems for pharmaceutical/biotech firms.
- Prepared and coordinated PFD's, P&ID's, price quotations, SIP/CIP, real-time control, heat exchangers, GMP operations, ISO 9002, and according to FDA guidelines.
- Managed multi-disciplinary project teams, achieving consistent record of on time/within budget project completions.
- The total cost estimate for the automated liquid chromatography systems was \$3.0MM.

PROJECT ENGINEERING CONSULTANT, Somerville, New Jersey (1984 - 1991)

- Completed 1 year assignment at Camp Dresser and McKee, Edison, New Jersey as an Independent Consultant providing mechanical and civil engineering support to the Construction Service Group for over \$80MM in wastewater treatment facility construction projects.
- Completed 2-year assignment at Sandoz Pharmaceuticals Corp., East Hanover, New Jersey as a Project Engineer Consultant responsible for design, cost estimating, and construction of a \$3MM modification of buildings and site to contain hazardous chemicals resulting from a fire, explosion, or accidental spill.
- Completed 2 year assignment at OPT Industries, Phillipsburg, New Jersey as a Project/Plant Engineer responsible for design, cost estimating, and construction of a \$1MM+ plant expansion which manufactures transformers and power supplies.
- Completed 2 years as a real estate consultant in Warren County, New Jersey providing services to developers in developing raw land. This job involved cost estimates for storm water drainage, roads, utilities, and land.
- The total cost estimate for the above projects was approximately \$85.0MM

REICHHOLD CHEMICALS, Hackettstown, New Jersey (1981 - 1984)

Manager of Engineering

- Developed cost estimates and obtained capital funds for introducing equipment to improve the batch and continuous operation for plastic compounding (polyethylene and polypropylene).
- Managed a \$1+ million budget; staff included process engineer, maintenance supervisor and crew of 10.
- Computerized operations, upgraded equipment, and reduced energy costs through cost-effective improvements.
- Improved the process and yield by modifying the P&ID's with better process controls, SPC, new equipment design, and modifying existing equipment.
- The total cost estimate for various projects was approximately \$30.0MM.

Other companies included Pfizer Pharmaceuticals and Ford Motor Company.