



**Causey Engineering
LLC**

Gerald J. Hietpas, PE
President

Causey Engineering LLC

"Forensic and Investigative Services"

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Curriculum Vitae

DOUGLAS E. BELL, P.E.



Mr. Bell is an Associate of Causey Engineering, LLC. Causey Engineering has for over 25 years been providing forensic and investigative engineering services and litigation support, specializing in industrial and construction engineering, operations, safety, patents, and regulations. Mr. Bell has particular experience in the field of Design, Construction and Project Management for, Water, Wastewater, Civil, Roadways, Utilities, Municipal, Landfills, Environmental, and Refinery projects.

Education:

University of Texas, Austin TX
BS, Mechanical Engineering, 1967

Texas A&M University
Coursework in Master of Engineering,
1970-1972

Registrations:

Professional Engineer: Registered P.E. in Texas, California, New Mexico (retired), Colorado, Arizona, Nevada, Utah, Wyoming, Louisiana, Mississippi, Florida (retired), Kansas, Indiana, Illinois, Wisconsin, Michigan and New Jersey.

Licensed to practice Mechanical, Civil, and Environmental engineering

Work Experience:

Causey Engineering LLC, Austin, TX

Forensic Expert: Provide Forensic and investigative work related to his fields of expertise. Causey Engineering provides engineering analysis, governmental regulation investigation and research, accident reconstruction and litigation support primarily related to oil and gas, refineries, chemical and petrochem plants, environmental, utility, civil, central power stations, electronic manufacturing, food processing, pulp and paper, lumber manufacturing, industrial construction, and warehousing.

Synergen Consulting International, LP, Houston, TX

2008 to Present

Consultant:

- Provide construction claims management and litigation assistance to owners, contractors, governmental agencies, and attorneys.
- Perform construction and project management services.
- Consult on claims avoidance practices.
- Perform evaluation of claims covering project planning, costs, design compliance, and construction schedules.
- Conduct property and facilities inspections, analyze design and construction defects, and implement solutions.
- Conduct industry research regarding effective means and methods of construction management and engineering standards.

Lockwood, Andrews & Newnam, Inc., Austin, TX

1999-2008

Office Manager:

2002-2008

- Managed of an office of 35 engineers and designers. The firm provided design and construction services for municipal and commercial facilities. Projects included water and wastewater treatment plants, water pumping stations, sewage lift stations, water transmission mains, sewer collectors, streets and roadways, parking lots, and drainage facilities. Clients included commercial clients such as land developers and governmental clients, such as cities, counties, and state agencies.

Senior Project Manager

1999-2002

- Managed projects including municipal and industrial water pumping stations, street reconstruction, water pipelines, wastewater sewers, storm sewers, and radioactive waste disposal.

Texas Low Level Radioactive Waste Disposal Authority, Austin, TX

1998-1999

General Manager:

- General Manager for a State agency. The mission of the agency was to design, license, and operate a facility to receive all low-level radioactive waste from Texas, Maine, and Vermont. This included wastes from medical facilities, industrial facilities, and certain wastes from nuclear power plants.

Radian International, Austin, TX

1990-1998

Project Manager:

- Project Manager for environmental investigations of solid waste and ground water contamination at refineries, chemical plants, and military bases throughout the United States. Certain investigations were the basis for designs to clean up pollution.
- Project Manager for building a ground water pump and treat facility at an air force base in Utah.
- Construction Manager for California project to excavate and haul contaminated soils to a hazardous waste landfill.
- Project Manager for a low-level radioactive waste disposal facility located in west Texas that was to serve the states of Texas, Maine, and Vermont. Designed the facilities and testified at a public hearing before the Texas Natural Resource Conservation Commission and before several committees of the State legislature.

Bell Family Homes, San Antonio, TX

1983-1990

President:

- Residential home builder and remodeler responsible for designing and building custom homes. Served as the contractor for several large residential remodeling projects.
- Performed over 100 foundation inspections of residential properties. Prepared reports for insurance companies on the cause of the foundation damages.

Bell & Calle, Inc., San Antonio, TX

1983-1990

President:

- Civil engineering and surveying firm with 18 employees performing municipal design. Projects included new streets, street reconstruction, utilities relocation, and commercial developments.
- City Engineer for Carrizo Springs, TX; projects included improvements to the wastewater treatment plant, new utilities pipelines, and a new municipal landfill.
- Federal projects included IDIQ contracts at Fort Hood and Fort Sam Houston. Buildings were modified and upgraded, a new highway bridge was designed, and oil/water separators were designed for truck maintenance facilities.

Bernard Johnson, Inc., San Antonio, TX

1981-1983

Office Manager:

- Managed an office of 10 engineers and designers. Designed modifications for 2 wastewater treatment plants in San Antonio and design of irrigation pumping station improvements in the Rio Grande valley.

Lockwood, Andrews & Newnam, Inc., San Antonio, TX

1980-1981

Project Manager:

- Developed a master plan for municipal landfills for Bexar County solutions to leachate seepage at a major landfill in San Antonio.
- Investigated industrial and commercial wastewater dischargers in San Antonio that became the basis of a pre-treatment ordinance for the City.
- Preliminary engineering for a new wastewater treatment plant in south San Antonio.

Lockwood, Andrews & Newnam, Inc., Houston, TX

1975-1979

Principal Engineer:

- Principal Mechanical Design Engineer for a 200 MGD Wastewater Treatment Plant.
- Prepared designs and permit applications for 4 municipal solid waste landfills.

Foster Wheeler, Houston, TX

1974-1975

Project Engineer

- Project Engineer and Field Engineer on refinery renovations to several process units.

Celanese Chemical Company, Bishop, TX

1968-1974

Design Engineer:

- Designed pumping and piping facilities for plant modifications. Prepared piping plans, isometric drawings, and pump specifications.

- Environmental Design Engineer for the plant. Designed a wastewater treatment plant, oil skimmer, hazardous waste landfill, and cooling pond. Cleaned up and reclaimed land under solar evaporation ponds.

Gulf Refining Company, Houston, TX

1967-1968

Pipeline Engineer:

- Gulf Oil pipeline division planning department. Prepared plans and the economic studies for cross-country petroleum pipelines.

Professional Memberships:

TSPE - Texas Society of Professional Engineers

- Past President - Travis Chapter
- 2006 Engineer of the Year – Travis Chapter
- Regional Vice President – Region III

NSPE - National Society of Professional Engineers

AWWA - American Water Works Association

Forensic Experience:

Cases Worked are _50_, Depositions Given is _9_.

Use of this CV is prohibited until we have a mutually signed agreement concerning your engagement of Causey Engineering LLC. Pending such, the use of our name is also prohibited, and we reserve the right to accept assignment by others in lieu of your firm.