



## RON BAVARIAN, P.E.

### INFRASTRUCTURE - GROUP MANAGER/ ASSOCIATE

Ron Bavarian is an FNI Associate and the firm's current Southeast Division Transportation Group Manager. He is a highly respected roadway, drainage and utility and water & wastewater facilities project manager whose insight and familiarity with the Gulf Coast region results in an innovative, cost-efficient approach toward each project and the design process.

#### EXPERIENCE

41 years

#### EDUCATION

M.S., Civil Engineering, University of Texas at Austin

B.S., Civil Engineering, University of Texas at Austin

#### REGISTRATIONS/CERTIFICATIONS

Professional Engineer,  
TX #48811

3.2.1 Route Studies and Schematic Design - Major Roadways, #9028

4.2.1 Major Roadway Design, #9028

11.1.1 Roadway Construction Management and Inspection, #9028

10.2.1 Basic Hydraulic Design, #9028

8.1.1 Signing, Pavement Marking and Channelization, #9028

3.1.1 Route Studies and Schematic Design-Minor Roadways, #9028

3.4.1 Minor Bridge Layouts, #9028

4.1.1 Minor Roadway Design, #9028

4.3.1 Complex Highway Design, #9028

#### RELEVANT EXPERIENCE:

### Transportation Projects:

#### 53rd Street Reconstruction | City of Galveston, TX | Project Manager

Reconstruction of approximately 1.45-mile, 49-foot-wide 53rd Street from Broadway to Seawall on Galveston Island. The project included concrete pavement with curb and gutter, storm sewer, 6- to 12-inch water lines, 6- to 10-inch sanitary sewer, sidewalks, driveway replacement, Phase I ESA, pavement markings and signage, and storm and sanitary sewer TV inspection.

#### Dulles Avenue Reconstruction and Intersection Improvements | City of Sugar Land, TX | Project Manager

Approximately 1.3 miles of four-lane and five-lane concrete roadway with curb & gutter, storm sewers, pavement marking and signage, traffic control plans, signal design and landscape/irrigation system. Project also includes improvements at three isolated intersections — SH 6, Cartwright and Lexington — at a construction cost of \$10.8 million.

#### Independence Blvd & Staffordshire Road Improvements | City of Missouri City, TX | Project Manager

Design and H&H analysis for two roadway improvements projects under one contract for the City. Project included approx. 2,100 LF of 4-lane divided concrete curb & gutter roadway with deep box storm sewers & sidewalks and street light conduit designs to extend Independence Blvd. to Staffordshire Road and close off portion of Court Road, and 3,700 LF of 3-lane reconstruction of Staffordshire Road from Court Road to Scanlin Road including storm sewers, sidewalk and street light conduit designs. Project was bid at \$7.1 Million and will start construction in let July 2018.

#### Dixie Farm Road Widening Phases 1 & 2 | City of Pearland, TX | Project Manager

Full design, preliminary engineering study and schematic layout, public meetings, field surveying, abstract mapping, environmental assessment, traffic study and design for the 5.5-mile stretch from SH 35 to Beamer Road. The project reconstructed the roadway from two-lane asphalt to a four-lane, divided concrete pavement with curbs, storm sewers, signals, landscaping, pavement marking and signage. It also involved the widening of three existing bridges at a construction cost of \$33.5 million. This was a TIP-funded project with the preparation of PS&E per TxDOT standard.

#### McHard Road Extension | City of Pearland, TX | Project Manager

Alternative alignment, roadway planimetric layout, EA, traffic study, H&H study and PER for the \$32 Million, 3.45-mile roadway extension. The project received TIP funding for the design and construction phases. The project is located within a proposed new 120-foot ROW and is

proposed to be a four-lane divided concrete roadway with curb-and-gutter storm sewer system, three detention ponds, five signals, 10-foot shared pathway, intersection improvements, cross-drainage structures, pavement markings and signage, landscape/irrigation, environmental studies and permitting, utilities coordination, ROW acquisition and public involvement.

#### **SH 288 Toll Lanes – Segment 2 | Brazoria County, TX | Project Manager**

Design of \$20 Million 1.7 mile 4-lane toll facility on SH 288 including bridges at CR 59 and FM 518 crossings, Drilage system and design of 5 detentions ponds.

#### **Johnson Street Paving and Drainage Improvements | City of Alvin, TX | Project Manager**

Design and construction services for the reconstruction of \$2 Million, 3,500 feet of Johnson Street from South Street to FM 1462 consisting of replacement of two-lane asphalt, open ditch roadway to a three-lane concrete curb and gutter roadway with underground storm and sidewalks. Project currently in design.

#### **Bailey/Oiler Road Extension and RR Overpass | City of Pearland, TX | Project Manager**

Design and construction phase services for approximately 7,000 feet of concrete roadway consisting of two-lane and four-lane segments, 700 feet of bridge over the BNSF railroad, storm sewer design and analysis, intersection improvements including signal designs, detention pond design, pavement marking and signage. Project included working with BNSF on the RR crossing Permit for the bridge and a 24" Water Transmission Line.

#### **Pearland Parkway Extension | City of Pearland, TX | Project Manager**

Preliminary schematic, environmental, design and construction phase services for \$13.3 Million, 3.5 miles of new roadway, including a 4-lane divided concrete roadway with curb and gutter, a 700-foot twin bridge over Clear Creek, a 360-foot diameter round-about, landscape, irrigation and drainage design, a 162-foot detention pond, retaining walls, pavement marking and signage.

#### **Krenek Road at FM 2100 Intersection Improvements | Harris County, TX | Project Manager**

Preliminary engineering, design and construction phase general services for a 700-foot widening of Krenek Road at FM 2100 to provide a left-turn lane and widening of radii at Crosby ISD transportation center drive for better turning movements. The project included a drainage impact study resulting in the design of a detention pond and storm sewers, utility coordination, design of modifications to FM 2100 signal, and pavement markings and signage. The project also included approximately 2,000 LF of asphalt overlay from end of widening to US 90A, including full-depth spot repairs.

#### **North Main Street at FM 1942 | Harris County, TX | Project Manager**

Preliminary engineering, design and construction phase general services for an 800-LF widening of North Main at FM 1942 to provide a left-turn lane. The project included a drainage impact study resulting in the design of a drainage mitigation, including storm sewer and linear detention designs. The project also included utility coordination, including relocation of a four-inch CenterPoint Energy gas line, pavement marking and signage, and coordination with TxDOT on the new signal installation at FM 1942.

#### **NASA Road 1 Widening Improvements | City of Webster, TX | Project Manager**

Project manager for the design of \$3.5 Million, 4,000' widening of NASA Road 1 from IH 45 to SH 3 to 5 lanes. Project included preparation of a CE report, coordination with TxDOT, detailed traffic control plans, signal designs, drainage improvements,

#### **Canada Road Improvements | City of La Porte, TX | Project Manager**

Design and construction of approximately 4,500 LF of four-lane, divided and undivided, concrete roadway between Fairmont Parkway and Spencer Highway included two signalized intersections, detention pond, water, sanitary sewer and a lift station design. Construction cost was \$2.8 million.

#### **Mykawa Road Bridge Replacement | City of Pearland, TX | Project Manager**

Full design of \$1.8 Million, five-lane bridge and roadway approaches on Mykawa Road at Hickory Slough crossing. Project was TIP-funded and designed according to TxDOT standard design.

#### **Orchard and Live Oak Streets Improvements | City of Webster, TX | Project Manager**

Design of approximately 3,600-foot, two-lane and four-lane, concrete roadway between Texas Avenue and SH 3. Project consisted of some water and sanitary sewer lines improvements at a construction cost of \$1.675 million.

**Bay Drive Paving, Drainage and Water Improvements | City of Webster, TX | Project Manager**

Design of 900 feet of 45-foot concrete pavement with curb and gutter and 900 feet of 12-inch water line with fire hydrants and valves, etc.

**Kirby Bridge | Brazoria County, TX | Project Manager**

Design of a \$1.3 Million, four-lane concrete roadway with sidewalks and a bridge over the Gulf Coast Water Authority canal, including concrete barriers, sidewalks, railings, and cross-drainage piping along the canal.

**CR 115 Bridge Replacement | Brazoria County, TX | Project Manager**

Design of two-lane concrete bridge on CR 115 at Cowart Creek for an estimated construction cost of \$290,000.

**CR 59 at CR 94 Intersection Improvements | Brazoria County, TX | Project Manager**

Design of \$1.8 Million CR 59 and CR 94 improvements at their intersection including design of reconstruction of CR 59 from SH 288 Feeder Road to CR 94, a signal design modification, and widening of CR 94 at CR 59.

**Butler Road Extension | City of League City, TX | Project Supervisor**

Design and construction phase assistance for the \$638,000 completion of missing segment of Butler Road and extension to IH 45 Feeder Road including signal improvements at intersection with League City Parkway.

**Cullen Boulevard Extension from Northfork to FM 518 | Turner, Collie and Braden, Inc. | Project Manager**

Design and construction phase of this one-mile, four-lane, divided new concrete roadway including storm sewers, three signals, a 24-inch trunk sewer and 16-inch force main at a construction cost of \$3.7 million.

**Business Center Drive Extension | City of Pearland, TX | Project Supervisor**

Preliminary engineering study and design for a two- and four-lane divided roadway from CR 59 to 900 feet south of Broadway, as well as widening of CR 59, including realignment of Southfork Parkway near CR 59. The project also included signal design for the CR 59 intersection, storm sewer design, pavement markings and signage, landscaping and irrigation, street light conduits and traffic control plans.

**FM 518 Reconstruction | TxDOT | Project Manager**

Project manager for the 5.5 mile reconstruction of FM 518 from Galveston-Brazoria County line to SH 35. Project included, preparation of plans for 5-lane concrete curb & gutter roadway, storm sewer system, drainage design, traffic controls plans, pavement marking & signage, and culvert bridge over Mary's Creek Bypass Channel.

**Traffic Signal Design | PBK Architects | Project Supervisor & Construction Manager**

Design and construction of a traffic signal at the intersection of Seabird and Garth. The project included design of a left-turn lane on Seabird, utility coordination, and review and approval of submittals.

**CR 59 Median Ditch Improvements | Brazoria County, TX | Project Manager**

Hydraulic analysis, drainage impact mitigations analysis, alternative solutions and costs estimates to evaluate the feasibility of replacing median ditches with an underground storm sewer system along CR 59 from Business Center Drive to Kirby Drive.

**McHard Road Railroad Overpass | City of Pearland, TX | Project Manager**

Preliminary engineering study, design and construction phase services for a \$4.5 Million, 2,500', 4-lane divided roadway with a 875-foot bridge over BNSF Railway and Hickory Slough. Project was the first railroad overpass for the City of Pearland. This project extended from Mykawa Road to S.H. 35 on a new alignment, and included design of three detention ponds, signal design, roadway markings and signage. Project included working with BNSF on the RR crossing Permit for the bridge.

**Lakeview Drive Final Design | City of Sugar Land, TX | Project Supervisor**

Reconstruction of approximately 3,200 LF of curb-and-gutter residential street with 28-foot-wide, 7-inch-thick concrete pavement. The project included evaluating all drainage systems, sidewalks, driveways and utilities for cost-effective recommendation and design.

**Knightsbridge Lane Extension | City of Webster, TX | Project Manager**

1,500 feet of two-lane roadway with a concrete bridge over a canal, 12-inch water line and a cased sanitary sewer crossing under NASA Road 1, at a construction cost of \$900,000.

**Edloe, Auden and Braes Streets Reconstruction | City of Southside Place, TX | Project Manager**

Design and reconstruction of three streets totaling approximately 8,000 feet. This project included the design of brick paver intersections and various water line replacements at a construction cost of \$1.9 million.

**Green Acres Subdivision Street Reconstruction | City of Webster, TX | Project Manager**

\$2.2 million, 12,500 feet of 28-inch wide concrete roadways with curb gutter and underground storm sewers to replace open-ditch roadways.

**Webster Townsite Street Reconstruction | City of Webster, TX | Project Manager**

Project manager for multi-phase townsite streets and drainage and utilities improvements projects consisting of reconstruction of 28-inch wide concrete roadways with curb & gutter, sidewalks, & inlets.

**Magnolia Avenue | City of Webster, TX | Project Manager**

Design and construction of a one-mile, four-lane, divided and undivided new concrete roadway with a dual-box bridge at a drainage channel at a construction cost of \$1.8 million.

## Water Projects:

**Parcel 14 Water & Force Main Improvements | Port Freeport, TX | Project Manager**

Design and construction phase services for the \$1.7 Million, approx. 7,200' of 12" water line and 2,500' of 3" force main to provide utilities to future Parcel 14 development. Project included 2 meter stations, casing designs under SH 36 and FM 1495 and TxDOT permits.

**Kirby Water Plant and 1-MGD Elevated Storage Tank | City of Pearland, TX | Project Manager**

Design of a water plant consisting of a 1,500-GPM water well, a 1-MG pre-stressed concrete ground storage tank, 1-MG composite elevated storage tank, booster pumps, controls, auxiliary generator, and site work. This project had a construction cost of \$6 million.

**Magnolia Water Plant & Transmission Line | City of Webster, TX | Project Manager**

Design and construction phase services of a new water plant consisting of 1 MG ground storage tank, 1 MG elevated storage, booster pumps, control building, meter, connection to City of Houston supply line and installation of 16" water transmission line.

**Water Plant Rehab & New Elevated Tank | City of Danbury, TX | Project Manager**

Design and construction phase services of a new 150,000-gallon elevated storage tank and rehabilitation of existing water plant ground storage tank.

**Bay Area Boulevard 12-inch Water Line | City of Webster, TX | Project Manager**

Design of approximately 2,300 feet of 12-inch water line from Bay Area Boulevard to Plumley Street Water plant with fire hydrants and valves. Project Included extensive utility conflict coordination with the City of Webster, CenterPoint, Harris County and the City of Houston.

**Dixie Farm Road 16-inch Water Transmission Line | City of Pearland, TX | Project Manager**

Design and construction of approximately 20,000 feet of 16-inch water transmission line at a cost of \$1.7 million. Project included three creek crossings using welded steel pipe and bores by directional drill method.

**Pearland Parkway 16-inch Water Transmission Line | City of Pearland, TX | Project Manager**

Design of 6,500 LF of 16-inch water transmission line, including buried welded steel pipe crossings at two drainage ditches, for 3.5 miles of four-lane divided concrete roadway on a new alignment at a construction cost of \$350,000.

**I.H. 45 Water Relocation | City of Webster, TX | Project Manager**

Design and construction phase services for relocation of 8" and 12" water lines along the IH 45 frontage roads

**Hughes Ranch Road 12-inch Water Line | City of Pearland, TX | Project Manager**

Design of approximately 3,900 feet of eight- and 12-inch water line along Miller Ranch Road and Hughes Ranch Road.

**Cullen Boulevard Water Plant | City of Pearland, TX | Project Manager**

Design and construction phase services of a water plant consisting of a 1,300 GPM water well, 600,000-gallon ground and 1 million-gallon elevated storage tanks, booster pumps, 16-inch water transmission line and control buildings.

**Garden Road Water Plant & Transmission Line | City of Pearland, TX | Project Manager**

Design and construction phase services of a water plant and transmission lines consisting of a 1,500-GPM water well, a 428,000-gallon storage tank, booster pumps, controls, auxiliary generator, site work and 6,000' of 12" and 16" water lines.

## Wastewater Projects:

**Cullen Boulevard Sanitary Sewer Line and Force Main | City of Pearland, TX | Project Manager**

2,400 feet of 24-inch sanitary sewer and 950 feet of 16-inch force main, including a case bore under FM 518 along Cullen Boulevard from Broadway to Fite Road.

**I.H. 45 Sanitary Sewer Relocation | City of Webster, TX | Project Manager**

FNI provided design and construction phase services for relocation of 12" thru 18" gravity sewer lines, force main, and a new lift station along IH 45.

**Dixie Farm Road Sanitary Sewer Collection System | City of Pearland, TX | Project Manager**

13,500 feet of 8- to 30-inch gravity sewers, 9,000 feet of 4- to 16-inch force main, a 6-MGD lift station; included cased and uncased pipes and directional steel bores.

**Blossom Street Lift Station Improvements | City of Webster, TX | Project Manager**

Design of expansion of Blossom Street lift station consisting of converting a self-priming pump station into a submersible-pump station and rehabilitation of a wet-well at a construction cost of \$190,000.

**F.M. 528 Lift Station and Collection Line | City of Webster, TX | Project Manager**

Design of a triplex lift station, 1,500 feet of 15-inch gravity sewer and 200 feet of 8-inch force main. This project also included an aerial crossing for force main and a cased bore under F.M. 528 at a construction cost of \$320,000.

**Northside Collection System Extension & Improvements Design | City of Alvin, TX | Project Manager**

Design of northside sanitary sewer expansion consisting of one multi-pump large lift station, one triplex lift station, 7,000 feet of 27-inch gravity sewers and 12,000 feet of 12- and 16-inch force main at a construction cost of \$1.3 million.

**Lift Station Rehabilitation | City of Alvin, TX | Project Manager**

Design of improvements and expansion of five small lift stations consisting of removal and replacement of pumps and controls.

**Energy Cost Reduction Study | City of Houston, TX | Project Manager**

Evaluation of technical and economic feasibility of building anaerobic digesters to recover energy at 200-MGD 69th Street Wastewater Treatment Plant or to reduce the plant's natural gas consumption. Life-cycle cost analysis indicated that the project is not economically attractive due to the high cost of installing the system in a space-constrained plant and due to the low biogas yield from a plant that lacks primary clarifiers.

**Hatfield Basin Trunk Sewer | City of Pearland, TX | Client Representative**

Preliminary engineering and design for approximately 20,000 linear feet of sanitary sewer line ranging in size from 36-inch to 12-inch to provide overflow protection for the Corrigan South Subdivision as part of the City's CIP and provided an Environmental Phase I ESA and Wetland Permitting.

**Wastewater Treatment Plant and Lift Station Improvements | Bacliff MUD, TX | Project Manager**

Project manager for the 0.5 MGD expansion of wastewater treatment, collection system lines and 3 lift stations reconstruction. Plant expansion included a new clarifier, new aeration basins, new chlorination facility, new grit removal facility, and rehabilitation of existing units.

**Wastewater Treatment Plant and Lift Station Improvements | City of Danbury, TX | Project Manager**

Project manager for the 0.5 MGD new wastewater treatment and 5 collection system lift stations reconstruction. Project included a new rotary oxidation ditch aeration basin, 2 clarifiers, chlorination facility, new influent lift station, and grit removal facility

**Multiple Satellite Wastewater Treatment Plants | City of Houston, TX | Project Manager**

Evaluation, design and construction phase services for \$5 million in headworks, chemical feed and electrical improvements at Easthaven, Greenridge, Houston International Airport, Northeast and Northwest Wastewater Treatment Plants.

**Mechanical and Structural Upgrades to Multiple Wastewater Treatment Plants | City of Houston, TX | Project Manager**

Evaluation and design of improvements to the treatment and support systems at Metro Central, Braes Bayou, White Oak and Kingwood West Wastewater Treatment Plants. The improvements include mechanical and structural upgrades for raw wastewater screening and conveyors, redesign of non-potable/reuse water systems, replacement of air-bridge structural components, and replacement of key control and isolation valves.

**Collection System Rehabilitation Phases 1 thru 15 | Bacliff Municipal Utility District | Project Manager**

Prepared bid package & technical specification for the rehabilitation of sewer lines and manholes throughout Bacliff MUD sewer system as a part of their ongoing sewer rehabilitation program.

## Other Projects:

**Parcel 14 & 19 Rail, Paving, & Drainage Improvements | Port Freeport, TX | Project Manager**

Design and construction phase services of \$25 Million site development consisting of 19,000 track feet of rails, major drainage structures and multi-box drainage system, a railroad bridge, channel improvements, approx. 6,000 feet of 40' wide concrete access road, high-mast lighting and electrical works.

**Parcel 19 Vehicle Storage Yard Paving Improvements | Port Freeport, TX | Project Manager**

Design and construction phase services for the \$3.5 Million, approx. 1,300-vehicle storage facility for the port to facilitate their overseas shipment. Project included special fencing, drainage improvements, provision for future rail, and high-mast lighting.

**Clear Creek and Cowart's Creek Regional Detention Ponds | City of Pearland, TX | Project Manager**

Design and construction phase of two ponds to mitigate the drainage impacts from the Dixie Farm Road reconstruction project. Project consisted of 44.4 acre-foot storage at the Clear Creek Pond and 14.3 acre-foot storage at the Cowart's Creek Pond. Project required environmental studies and USACE Permitting.

**Mary's Creek Regional Detention Facility | City of Pearland, TX | Project Manager**

Preliminary engineering study, design and construction phase of this regional detention facility. The project consists of 204-acre-foot of storage on an approximately 40-acre tract, 440,000-cubic-yards of excavation, intake and discharge structures, USACE permitting, environmental studies and coordination with other agencies. Construction cost of \$3.18 million.



**Mykawa Road Drainage Improvements | Brazoria Drainage District No. 4 | Project Manager**

Project manager for this \$6 Million flood mitigation improvements project consisting of enclosing approx. 2,000' of an existing open ditch along Mykawa Road from Cherry St. to Orange St. with dual set of 10'x6' RCB with junction boxes and development of 2 a 4.5 acre-foot and 50-acre-foot detention ponds.

**West Dixie Farm Road Corridor Alignment Study | City of Pearland, TX | Project Supervisor**

Performed a corridor alignment study and Phase 1 ESA for a 2.2-mile extension of Dixie Farm Road from SH 35 to CR 101. Project scope included alternative alignment studies, property ownership research, and preparation of conceptual roadway layout schematic.

**Max Road Corridor Alignment Study | City of Pearland, TX | Project Manager**

Performed a corridor alignment study and Phase 1 ESA for the realignment of existing Max Road to north, over Clear Creek and tie-in to BW 8. Project scope included alternative alignment studies, property ownership research, and preparation of conceptual roadway layout schematic.

**Dixie Farm Road Phase II Speed Study | City of Pearland, TX | Project Supervisor**

Provided a speed zone study for the Dixie Farm Road Phase 2 project from SH 35 to south of FM 528 (Broadway). This study determined the 85-percentile speed, as well as provided the City with recommended speed limits for the 2-mile corridor.

**Traffic Signal Design | PBK Architects | Project Supervisor & Construction Phase Manager**

Design and construction of a traffic signal at the intersection of Seabird and Garth. The project included design of a left-turn lane on Seabird, utility coordination, and review and approval of submittals.

**Goose Creek CISD Elementary School Traffic Impact Analysis | PBK Architects | Project Supervisor**

Traffic impact analysis of a new 840 student elementary school in Baytown, Texas. The analysis was performed under existing and projected conditions and included a traffic signal warrant analysis. The report also included an analysis of the internal circulation and queuing. Project led to design of traffic signals and some intersection improvements at 2 locations.

**Pearland Safe Routes to School Plan | City of Pearland, TX | Project Supervisor**

Safe Routes to School strategic action plan for 11 Pearland ISD schools and one Alvin ISD school located in Pearland. Outlined strategy type, strategy details, funding sources, timeframes, and responsible parties.

**CIP Cost Estimate Update | City of Pearland, TX | Client Representative**

Provided construction cost updates for the City's 2015-2019 CIP Program. Conducted review of the City's CIP program, identified major construction items, and developed planning level quantities and associated unit costs on an accelerated schedule to meet the City's capital planning deadline. The projects included new roadways and roadway rehabilitation, drainage, water and wastewater treatment, water and sewer lines, lift stations and pump stations, and other facilities.

**Myrtle Street Feasibility Study | City of Webster, TX | Project Manager**

Feasibility study for 4,000 LF of 38-foot-wide concrete curb and gutter roadway with an underground storm sewer to extend Myrtle Street from Rice Creek Lane to SH 3. The project included a preliminary schematic, sizing of storm sewers and the addition of a 12-inch water line.

**Rice Drier & Halik Roads Preliminary Engineering Study | Pearland EDC | Project Manager**

Preliminary engineering and drainage impact analysis and preparation of preliminary plans and report for the reconstruction of 2- 38' wide concrete curb & gutter roads including storm sewers and a detention pond.

**Water/Wastewater Impact Fee Study | City of Pearland, TX | Project Manager**

Project manager for the updates of 1993, 1996, 1999, 2012 of City's water and wastewater reports. Provided overall supervision and quality control reviews on 2015 & 2108 updates.

**Water/Wastewater Impact Fee Study | City of Seabrook, TX | Project Manager**

Project manager for the 1993 & 1996 updates of water & wastewater impact fee studies.



**Contract City Engineer | City of Seabrook, TX | Project Manager**

City Engineer role for a 5-yr contract with City, reviewing plans & development plats, providing infrastructure designs and construction services, and coordination with staff on various needs.

**Plan Reviews | City of Pearland, TX | Project Manager**

Provided development plan reviews for the City engineering department for 1-year period.

**Engineer of Record Role | Project Manager**

Provided Engineer of Record services to Bacliff MUD, City of Danbury, City of Webster, City of Kemah, etc. in 1980's thru 1990's. Continuing as EOR for Bacliff MUD.