



Jeff R. Rogers, P.E.
Vice President

Years of Experience
11

Education
B.S. Mechanical
Engineering
Texas A&M University
1998

Master of Business
Administration
University of Houston
at Victoria
2003

**Registrations/
Certifications**
Professional Engineer
State of Texas
#91976

Affiliations
Texas Society of
Professional Engineers

Texas Gas Association

Coastal Conservation
Association

Professional Experience

Mr. Rogers has eleven years of experience in project management, utility coordination, and utility design. Specializing in the natural gas industry, he has managed multiple design and coordination projects including station design, pipeline integrity, pressure studies and measurement. Additionally, he has supervised surveying and drafting crews, obtained necessary permits, prepared engineering and traffic control plans, and generated detailed cost estimates. He has managed public and private utilities and ROW operations for some of the major projects around the central Texas region.

Project Experience

Williamson County 2006 Road Bond Program. 2007-2010

Performed utility coordination oversight and utility coordination services for over 40 of the road projects within Williamson County’s \$228 million road bond program. Coordinated with more than 21 utility companies throughout the project areas, creating project schedules, organizing utility coordination meetings, reviewing and approving utility adjustment plans. Managed conflict identification and resolution as well as needed SUE quality levels A, B, C, and D. Prepared, reviewed, and recommended approval of permits, reimbursements, and betterments. Negotiated utility agreements between utility providers, program management, the County, and TxDOT. Provided oversight for design firms with utility coordination and managed subsurface utility engineering for all projects, mapping and GIS, and utility relocation design services for electric, telecommunications, gas, water, and wastewater facilities. Communicated the permit and driveway process for the owners' use in the installation or relocation of infrastructure. Coordinated with program management and ROW acquisition to ensure project and utility relocation schedules. Also was responsible for the oversight of utility construction management and verification, which included the coordination of utility construction activities, utility installation verification, monitoring, record management, status reporting, and as-built surveying oversight. In addition, had extensive interaction with municipal, county, and state representatives.

Williamson County Pass-Through Financing Program. 2007-2010

Performed utility coordination oversight and utility coordination services for all seven of the road projects within Williamson County's \$175 million Pass-Through Program. Coordinated with more than 21 utility companies throughout the project areas, creating project schedules, organizing utility coordination meetings, reviewing and approving utility adjustment plans. Managed conflict identification and resolution as well as needed SUE quality levels A, B, C, and D. Prepared, reviewed, and recommended approval of permits, reimbursements, and betterments. Negotiated utility agreements between utility providers, program management, the County, and TxDOT. Provided oversight for design firms with utility coordination and managed subsurface utility engineering for all projects, mapping and GIS, and utility

Project Experience (continued)

relocation design services for electric, telecommunications, gas, water, and wastewater facilities. Communicated the permit and driveway process for the owners' use in the installation or relocation of infrastructure. Coordinated with program management and ROW acquisition to ensure project and utility relocation schedules. Also responsible for the oversight of utility construction management and verification, which includes the coordination of utility construction activities, utility installation verification, monitoring, record management, status reporting, and as-built surveying oversight. In addition, had extensive interaction with municipal, county, and state representatives.

Hays County Pass-Through Financing Program, RM 12. 2006-2007

ROW/Utilities Project Manager for 14 utilities with 165,200 linear feet along the 7.57-mile section of RM 12 from FM 32 to proposed FM 3407. Managed ROW field notes and acquisition schedule. Coordinated SUE, survey, conflict assessment, phasing and scheduling for utility relocations.

183A Turnpike Project Utility Coordination, Austin, TX. 2004-2007

ROW/Utilities Project Manager provided ROW oversight and coordination for 135 parcels as well as utility coordination and relocation for twelve different utility companies for the 11.6 mile 183A design/build turnpike project around the central business districts in the Cities of Cedar Park and Leander in the southwestern section of Williamson County, Texas. Utilities impacted include electric distribution and transmission, cable television, telecommunications, water, wastewater, and natural gas pipelines. Included researching and identifying conflicts with the proposed roadway and drainage design, prepared a Utility Corridor Conceptual Plan for the project, conducting coordination meetings with each utility owner, Central Texas Regional Mobility Authority (CTRMA), and the design team, prepared and reviewed utility agreement assemblies, providing constructability reviews for each relocation design, designed relocation plans for utilities, and coordinated utility relocation schedules with the roadway construction schedule. Provided construction services for conflicts encountered during construction. Coordinated all SUE and SUE surveying services and ROW staking services with the roadway construction schedule and the roadway and structures design teams.

Capital Metro Commuter Rail Program, Austin, TX. 2005-2007

Utilities Project Manager, provided coordination, relocation, and design for 50 public and private utility companies for the 32 mile commuter rail from Leander, TX to downtown Austin, TX. Responsible for managing all utility engineering services, which included the identification of utility conflicts, monitoring, managing, and reporting on the utility adjustment agreement process prior to construction, evaluation of alternatives, providing constructability reviews for each relocation design, review of the utility adjustment phasing and completion of time lines and resolution of utility conflicts.

Williamson County 2000 Road Bond Program. 2004

Performed utility coordination services for several of the road projects within Williamson County's \$350 million road bond program. Coordinated with more than 21 utility companies throughout the project areas, creating project schedules, organizing utility coordination meetings, and reviewing and approving utility adjustment plans. Managed conflict identification and resolution, prepared, reviewed, and recommended approval of utility agreements, permits, and reimbursements/betterments. Coordinated subsurface utility engineering for all projects, mapping and GIS, and utility relocation design services for telecommunications, gas and water lines.

Natural Gas Facilities Relocation, SH 45 Section 8, Austin, Texas. 2004

Designed the relocation of 13,700 LF of 8", 6", 4" and 2" high-pressure distribution mains and one regulator station. Tasks included preparation of plan and profile drawings, gas control planning, coordination with other utilities as well as the gas company's corrosion staff, construction specifications, betterment analysis, cost estimate, and utility agreement. (Betterment analysis—design replacing an 8" with 12", estimated difference in cost of installing an 8" or 12" to help utility owner determine which size was more cost effective). Construction specs were submitted for one time approval to TTA. Utility agreement was submitted to utility owner for review and approval then submitted to TTA for processing. This project design was incorporated into the TTA plan set for inclusion in the roadway construction.

Natural Gas System Replacement, W 5th Street from Lamar to Mopac, Austin, Texas. 2004

Designed complete system replacement to upgrade existing low-pressure system to intermediate pressure. Replaced 3525' of 10" cast iron and steel with 8" main. Services included researching all utilities within the project area, field verification of existing mains and services, topographic surveying, generating plan view drawings with profiles as needed for permitting, traffic control design, tree protection design, SW3P, attending coordination meetings and phasing construction and traffic control around other construction in the downtown Austin area.

Natural Gas System Replacement, W 6th Street from Henderson to Theresa, Austin, Texas. 2004

Designed complete system replacement/improvement to upgrade existing low-pressure system to intermediate pressure. Replaced 7500' 8" main and two regulator stations. Services included researching all utilities within project area, field verification of existing mains and services, topographic surveying, generating plan view drawings with profiles as needed for permitting, traffic control design, tree protection design, SW3P, attending coordination meetings and phasing construction and traffic control around other construction in the downtown Austin area. In addition, reviewed the overall system in this area and suggested the placement of new regulator stations to best accommodate the low-pressure feeds in the area.

Utility Coordination, IH 635/Town East Blvd Interchange, Mesquite, Texas. 2004

This project design is incorporated into the TxDOT plan set for inclusion in the roadway construction. Coordinated the 18" high-pressure natural gas, telephone, and electric facilities within this project. Services specific to the gas mains included conflict investigation, conceptual alignment, utility agreements, cost estimates, construction specifications, as-built drawings with GPS coordinates, and coordination with roadway designers. Coordinated with the storm, water, wastewater and retaining wall designers to ensure utility alignments and to avoid conflicts of the various facilities. Also coordinated the construction phasing to minimize the impact on existing traffic. Coordination included monthly meetings with TxDOT, the City of Mesquite, the roadway designer and all involved utility companies because it impacts the City of Mesquite's shopping mall.

SH 130 Section 12, Austin, Texas. 2004

Designed the relocation of 3560' of 8" intermediate pressure distribution main. Tasks included conflict assessment, preparation of plan and profile drawings, cost estimate, gas control planning, and coordination with other gas company projects as well as with gas company corrosion staff. Devised an alternate tie-in option in the event the other work is not fully active to avoid conflicts/delays with the TTA project.

FM 969 from US 183 to Decker. Austin, Texas. 2004

Reviewed the gas company's field information to determine conflicts with this TxDOT project. Services included designing 9000 LF 6" main to replace the existing facilities in conflict, generating a conflict list and communicating to TxDOT, field verification of design feasibility, coordinating the proposed alignment with TxDOT, generating a design and construction schedule for the project, and generating plan and profile drawings.

Rio Grande from MLK to W 29th, Austin, Texas. 2004

Reviewed the City of Austin capitol improvement project for conflicts with existing gas facilities. Reviewed the gas company's overall system in this area and recommended a design which will also serve as a system upgrade, replacing 4700 LF of existing low pressure mains with intermediate pressure. Generated plan and profile relocation plans, coordinated with the City of Austin for construction phasing and proposed alignment.

MLK from Rio Grande to Lamar, Austin, Texas. 2004

Reviewed the City of Austin capital improvement project and identify potential conflicts with existing gas facilities for field verification by the gas company. Reviewed the gas company's field data to confirm conflicts. Designed relocations for confirmed conflicts, generated plan and profile relocation plans, and coordinated with the City of Austin for construction phasing and proposed alignment.

New Braunfels City Gate #3. 2003

Services included a risk assessment on a newly acquired 12" pipeline. In addition, a new city gate was designed as an alternative feed into the town. Due to inlet/outlet pressure deliveries, pressure studies and current/future demands, this station contained six regulators on a dual-run center bypass frame, one turbine meter in a dual-run spool providing for additional measurement with future growth, one relief valve, and one odorizer. This station also provided the gas company with the ability to operate the entire town from this new city gate station in case of an emergency.

Amberwood Subdivision. 2002

The Amberwood Subdivision consisted of 628 residential lots. An economic analysis was performed based upon the gas company's rate of return and future development. Other services included: system design, acquisition of the county permit for parts of the construction and the general construction permit, and construction coordination with the gas company managers, construction crews, builders, and other utilities. The project included the installation of 200' of 6" main, 11,130' of 4" main with 400' being directional bored, 6,720' of 2" main, and 2,805' of 1/2" services.

Woodlands West Feed City Gate. 2000

Designed a new station with a maximum allowable operating pressure (MAOP) of 500 psig inlet and a downstream system MAOP of 60 psig. Pressure requirements were based upon existing load, future load, and the station's ability to provide services to the town if another station failed. Services included calculating and selecting the proper regulation, overpressure protection and odorization. Regulation was based upon the needed flow rate, response capabilities, noise characteristics, inlet and outlet MAOPs, and inlet and outlet operating pressures. Primary and backup secondary regulators were designed and installed. The overpressure protection was designed to pass more gas than a failure at the second cut regulator reducing the risk of a potentially dangerous pressure buildup. The odorizer was selected based on size calculations.

Houston High Pressure Audit of Distribution Systems.

1999-2001

The project involved identifying the information required to upgrade, downgrade, install, or remove portions of the system piping so that the overall high-pressure piping would meet regulations, provide adequate gas during peak demand periods, and optimize operational expenses. The analysis focused on all high-pressure lines above 160 psig. For the high-pressure audit review process, each high-pressure line in question was identified and printed out 11" x 36" maps. The route, size and type of pipe, and work order of the line were studied and a list of all main and service orders was compiled and researched internally. The review process required: (1) Generating a summary of each construction order with detailed descriptions and test records. (2) Analyzing each order for its rated MAOP, verifying that each section of pipe had sufficient wall thickness and grade to operate under 20% of its specified minimum yield strength (SMYS). Barlow's hoop stress formula was reversed to determine the actual operating percent SMYS of the existing pipe. (3) Verifying that all valves and fittings had a working pressure rating at or above the existing MAOP of the line. (4) Researching station to determine whether it conformed to the MAOP of the line. (5) Generating a recommended MOAP based on the research. The recommendation included such actions as upgrading the line, replacing fittings and pipe, and verifying valve locations thus bringing the systems up to compliance. (6) In addition, identifying flow reductions for inclusion in pressure modeling.