







Statement of Qualifications for Engineering Services

Project Title: Engineering Services for TxCDBG Project

February 2, 2023

Prepared for



The City of Breckenridge, Texas 105 North Rose Ave. Breckenridge, TX 76424

Prepared by



TRC Engineers, Inc. 700 Highlander Blvd., Ste. 210 Arlington, Texas 76015 T.B.P.E #F-8632



700 Highlander Blvd. Suite 210 Arlington, Texas 76015 T 817.522.1000 TRCcompanies.com T.B.P.E. #F-8632

February 2, 2023

Ms. Cynthia Northrop – City Manager 105 North Rose Ave. Breckenridge, TX 76424

RE: Statement of Qualifications Engineering/Architectural/Surveying Services Texas Community Development Block Grant Project

Dear Ms. Northrop:

In accordance with the City of Breckenridge's Request for Statements of Qualifications, **TRC Engineers**, **Inc**. (TRC), is pleased to present herein a team of professionals that provide efficient services and a focus on innovative solutions to provide Professional Consulting Services for various projects to be undertaken by the City of Breckenridge. Services that we desire to be considered for providing to the City of Breckenridge as the prime consultant include:

- ☑ Water
- ☑ Street
- ☑ Utility
- ☑ Parking Facility
- Park and Trail Projects
- Stormwater
- General Services

- ✓ Sewer
- Environmental and Site Assessments
- ☑ Master Planning
- $\ensuremath{\boxdot}$ Comprehensive Plans
- $\ensuremath{\boxdot} Sidewalk$
- ☑ Electrical and Mechanical

As demonstrated herein, TRC offers substantial relevant experience in each of the service areas identified above and has been **providing related professional consulting services to municipalities throughout the State of Texas for over 60 years**. We are proposing a Project Manager who offers a proven track record for administrating, coordinating, and completing multiple project assignments within budget and on time.

Our Project Manager is supported by key personnel who are familiar with all aspects of the work for which they will be responsible, having worked on numerous projects throughout the State of Texas. All our key engineering personnel are also Texas Licensed Professional Engineers and will be available and are committed to providing professional services for the City of Breckenridge within the allotted time.

TRC appreciates the opportunity to submit this Statement of Qualifications and looks forward to providing the City of Breckenridge with quality, professional consulting services. If you have any questions or require additional information, please contact the undersigned at your earliest convenience at (817) 522-1014 or via email at <u>jthomas@trccompanies.com</u>.

Sincerely,

ustin Thomas

Justin Thomas, P.E. Arlington DMS Office Practice Leader

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1.0 MEETING THE NEEDS OF THE CITY OF BRECKENRIDGE

Over the last half century, TRC has developed the knowledge and technical expertise to tackle the most complex of design challenges, regardless of the scope of the project. With a large pool of resources to draw upon, TRC has the capacity to provide services to small and large clients alike. Below is a list of local government client references.

Client	Contact Person
City of Austin	Diane Rice - (512) 974-7081
City of Celina	Jason Laumer – (972) 382-2682
Edwards County	Judge Souli Shanklin - (830) 683-6122
City of Elgin	Joe Parten - (512) 229-3260
City of Hallettsville	Grace Ward - (361) 798-3681
City of Hamilton	Bill Funderburk – (254)-386-8116
City of Luling	Mayor Mike Hendricks - (830) 875-2481
City of Lytle	Josie Campa - (830) 772-3692
City of Lockhart	Sean Kelley - (512) 398-6452
New Braunfels Utilities	lan Taylor – (830) 629-8400
City of Seguin	Tim Howe - (830) 379-3212
Texas Water Development Board	Larry A. Zamzow - (512) 463-8507
City of Yoakum	Kevin Coleman - (361) 293-6321

1.1 EXPERIENCE IN WORKING WITH STATE FUNDED PROGRAMS

TRC's Arlington office has spent many years dealing directly with State grants and loan agencies, as well as regulatory State agencies, in successfully obtaining funding for the completion of local public works projects.

Below is a list of current GLO/HMGP awarded projects:

- City of Bastrop 2021-2022 Texas Community Development Fund
- City of Bertram 2020 TxCDBG Downtown Revitalization (DRP)
- City of Camp Wood FEMA 4416 DR TX/TxCDBG
 - Columbus County GLO CDBG-MIT
- City of Elgin
 WTP Booster Station Improvements (HMGP)
 - City of Elgin GLO Roadway Flooding Prevention Project
 - City of Elgin GLO Pistol Hill Ground Storage Tank Improvements
 - City of Elgin Hazard Mitigation Grant Program (HMGP) Projects
- City of Floresville 2021-2022 Downtown Revitalization Program
- City of Hallettsville GLO CDBG-MIT
 - Community Development Block Grant (CDBG)



Hays County

- City of Hondo 2020 TxCDBG Downtown Revitalization (DRP)
- City of Lago Vista FEMA Hazard Mitigation Water Plant No. 3 Emergency Power Project
- City of Lexington 2020 TxCDBG Downtown Revitalization (DRP)

Drainage Project

Hazard Mitigation Grant Program (HMGP) Nature Heights City of Marble Falls **Drainage Project**

2020 TxCDBG Downtown Revitalization (DRP)

Hazard Mitigation Grant Program (HMGP) Avenue N

- City of Marble Falls
- City of Sabinal
- City of Seguin
 - TDA Downtown Sidewalks City of Seguin GLO CDBG-MIT Drainage Project
- Real County
- TxCDBG Colonia Construction Fund Program City of Rocksprings
- 2020 TxCDBG Downtown Revitalization (DRP) City of Uhland
- GLO CDBG-MIT Drainage Project
- Uvalde County FEMA Ualde County Road 416
 - City of Yoakum **GLO SCADA Improvements**
- City of Yoakum **GLO Dunn Street Facility Improvements**
- City of Yoakum **GLO Kenedy Ditch Improvements**
- City of Yoakum **GLO Electrical Power Poles Replacement**
- City of Yoakum 2020 TDA Sidewalks Improvements

The Appendix A has a list of State and Federal funded projects that will convey a clear picture of TRC's experience with a variety of funding sources for local projects in the central Texas area.

STATE – FUNDED PROJECTS SUMMARY

Those State agencies include but are not limited to:

Funding Source	Performed Projects	Years' Experience	Туре
EDA	11	15	Grant
EPA	6	30	Grant
FEMA	6	10	Grant
TCF	15	18	Grant
TxCDBG	>310	35	CDBG Block Grant
TPWD	4	25	Grant
TWDB	10	25	Loan
TxDOT	12	20	Grant
USDA	9	25	Loan/Grant



1.2 TRC's Services

TRC's services begin with a preliminary site evaluation, followed by the preparation of cost estimates. TRC will also produce all necessary documents and exhibits for applications to obtain funding for design and construction from the Texas Community Development Block Grant (TxCDBG). TRC and its Project Engineers have proven success in obtaining these funds, as exemplified by the multiple grants recently awarded for the Cities of Hallettsville, Barksdale, and Camp Wood as well as Counties of McLennan, Uvalde, and Val Verde. Upon successful application for grant funds and at the request by the City of Breckenridge, TRC will set forth the design phase of the project, utilizing our extensive experience in the preparation of design plans, specifications, and bid packages. TRC will also assist the City of Breckenridge in bid award recommendation, contractor correspondence, submittal review, pay requests, final inspection, punch lists, and finally, Certificate of Construction Completion. TRC and its Project Manager are thoroughly familiar with the TxCDBG process and can offer the City of Breckenridge assistance in such projects. Below is a list of recently funded projects.

Project Information	Project Description
2019 CDBG Elm Mott Water Improvements, McLennan County	This project consisted of the replacement of 541 existing water meters with new positive displacement water meters, including Automated Meter Reading (AMR) hardware and all necessary appurtenances. Cost: \$191,000
2019 CBDG Sanitary Sewer Improvements, City of Teague	TRC was responsible for the design, preparation of plans, specifications, and bid packet for demoing the existing Jefferson Street Lift Station and construction of a new fiberglass reinforced lift station wetwell, relocation of pumps, control panel and equipment. The plans also included the installation of 60 LF of 8" sanitary sewer pipe, manholes, service reconnections and pavement repair. Cost: \$267,000
CDBG West Wastewater Treatment Plant Improvements City of Teague	TRC prepared preliminary and final design plans, specifications, and bid packet, as well as provided construction management services for improvements to the City's wastewater treatment plant. Principal Items of construction included pressure cleaning sludge piping, replacing two sludge pumps, cleaning Imhoff tank, new sludge drying beds, in- situ soil testing, replacement of bed soil liner, and rehabilitation of existing drying beds. Cost: \$215,000
Water Line Replacement City of Hallettsville	TRC provided engineering design and construction project management for the installation of approximately 3,175 LF of 6" C-900 PVC water main and all necessary appurtenances. TRC assisted in the bid process, award recommendation, contractor correspondence, submittal review, pay requests, site visits, final inspection, punch list items, and record drawing preparation. Cost: \$260,000
WTP Booster Station Improvement Project TDEM-HMGP City of Elgin	This TDEM Hazard Mitigation Grant Project consisted of flood improvements to the Elgin WTP Booster Station. TRC provided engineering services to the City to acquire the grant and engineering design for a 6.6 MGD pump station and new electrical motor control building. The pump station design raises six existing vertical turbine pumps above the flood plain and includes valves, controls, piping, and new platforms. The air-conditioned electrical motor control building has a chlorine injection system, flow meter, tank level control, variable speed motor control center, and office. Cost: \$1,232,940



TRC will be a representative of and will advise and consult with the City of Breckenridge (1) during construction, and (2) at the City of Breckenridge's direction from time to time during the correction, or warranty period described in the construction contract. With approval from the City of Breckenridge, TRC will act on behalf of the City of Breckenridge, only to the extent provided in the Engineering Agreement unless modified by the City of Breckenridge. TRC will make visits to the site to inspect the progress and quality of the executed work of the construction contractor and his subcontractors and to determine if such work is proceeding in accordance with the contract document. TRC will keep the City of Breckenridge informed of the progress and quality of the work.

1.3 ABILITY TO WORK WITHIN BUDGETARY GUIDELINES

The possible project scope(s) is very similar to other projects TRC has completed. TRC is familiar with budget limitations of the City of Breckenridge and will work closely to insure a successful cost-effective project.

Our standard budgeting and estimating processes are based on years of experience and yields truthful results that are both realistic and attainable. TRC has systematized the project management and tracking process beginning in the proposal phase where the scope of service and major milestones are defined and followed through to the end of construction.

It is the TRC team's goal to meet the operating budget for all our projects. With more than 60 years of municipal engineering experience, TRC is very capable of foreseeing issues during the project. Issues such as contractor access, storm water pollution prevention, budget constraints, product availability, permitting, and public awareness are all issues that will be dealt with at some time during the project. TRC's history of meeting client expectations enabled us to remain the prime engineering firm for several Cities/Counties. Furthermore, this shows that



TRC evaluates projects for the client's needs and future operations during the initial design and not as the project moves forward during construction.

Our Project Managers are dedicated to ensuring time and travel planning never inconveniences the client. Most of TRC's projects are for disadvantaged, distant communities and are still successfully completed on budget and on time.

1.4 Key Project Personnel Qualifications and Experience

As the professional responsible for the coordination of various disciplines, as well as communication with the client and other agencies, and the overall progress of the project, the most important position on the City of Breckenridge's project is the Project Manager. In addition, TRC has assembled an experienced and capable project team that will be able to fulfill the various roles required for this project. TRC chooses Project Managers





carefully for their knowledge, experience, and capabilities to provide the necessary support for a successful project.

The Project Manager for this project will be Mr. Tim Wallace, P.E., a Licensed Professional Engineer in the State of Texas. Mr. Wallace has been employed in the engineering field for the past 15 years which included state and federally funded projects. Mr. Wallace has overseen the construction of multiple infrastructure improvement projects including but not limited to water and sanitary sewer systems improvements, rehabilitation and replacement of sidewalks, street paving and drainage, and water and wastewater treatment facilities.

Support personnel in the firm are readily available for assistance, but all decisions and direction are made by Mr. Wallace concerning the individual client and the work performed by this office for them. General services provided by Mr. Wallace include review functions for various projects; plan review for all new development including capital improvement projects; and plan review projects.

With Mr. Wallace's significant experience, he is certainly qualified to handle the proposed engineering project for the City of Breckenridge. His individual resume is enclosed in this proposal for review. TRC takes pride in successfully retaining employees with many professionals having been employed by TRC for most of their career. This provides a consistent product and develops long-term relationships with our clients.

Quality Assurance/Quality Control - Responsible for project oversight, works autonomously with the PM and Project Engineers to ensure that TRC's high levels of quality are being met. The QA/QC is not in a direct line between the PM and the Project Engineers, so that they may maintain an objective point of view for each project. Though they may not be directly involved in the progress of the project, they are available to administer advice.

Project Engineers - Project engineers relied upon to coordinate the day-to-day activities for each project, and answers directly to the project manager. The project engineer is responsible for leading a team of Professional Engineers, Project Managers, EITs, CAD Drafters, and Administrative Staff to produce deliverables to be reviewed by the Project Manager before being provided to the client. Drawing on an impressive array of projects, TRC understands that each project is different with unique aspects and project management requirements. TRC employs highly skilled project managers and certified Project Manager Professionals to manage our projects at a deeper and more involved level than the standard triple constraint of scope, time, and budget. TRC has vast experience dealing with the competing constraints of Scope, Schedule, Cost, Resources, Quality, and Risk. We manage our projects to provide our clients with products that are On Scope, On Schedule, using the most efficient Resources, delivering High Quality results, with minimum Risk.



The following list shows the total years of experience for the proposed TRC team:

KEY PERSONNEL

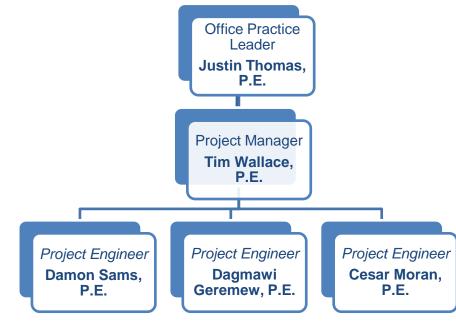
Team Member	Role	Registration No.	Total Years' Experience
Justin Thomas, P.E.	Office Practice Leader	TX PE#98403	20
Tim Wallace, P.E.	Project Manager	TX PE #113369	15
Damon Sams, P.E.	Project Engineer	TX PE #98344	20
Dagmawi Geremew, P.E.	Project Engineer	TX PE #132546	7
Cesar Moran, P.E.	Project Engineer	TX PE #136417	7

Additionally, TRC has the following Arlington and Austin staffing resources to provide the City of Breckenridge for the required task.

Professional Engineers:	27
Engineers-in-Training:	13
Other Professionals/Technicians:	12
Administrative:	7

TRC takes pride in successfully retaining employees with many professionals having been employed by TRC for most of their career. This provides a consistent product and develops long-term relationships with our clients.

ORGANIZATIONAL CHART





1.5 TRC'S QUALITY CONTROL METHODOLOGY

At TRC we strive for excellence in the services we provide and, in the results we produce for our clients. We are committed to meeting or exceeding our client expectations and delivering superior solutions. Key tenets of our Quality Management Policy include the following:

- > We understand our clients' goals and embrace them as our own.
- We actively seek and respond to our clients' feedback regarding the quality of our services.
- > Our leadership champions and participates in quality activities and reviews.
- Quality performance goals and objectives are periodically reviewed for effectiveness.



A tiered quality organization is dedicated to the attainment of quality objectives across all levels of TRC's organization.

A culture of performance excellence is fostered through the development of staff competencies, empowerment, and personal accountability for quality workmanship.

> Every employee is responsible for compliance with quality requirements in each work activity.

> Project teams are equipped with sufficient skill sets training, resources, and job tools, as appropriate for each project.

Risks to quality of services are assessed and managed as appropriate for each project

- Self-assessments, peer reviews, independent internal audits, and external audits are conducted in accordance with the complexity and risk of each activity.
- Contractors, suppliers, and partners are accountable for compliance with TRC's quality requirements policy, and procedures.
- Quality performance is regularly monitored, and corrective actions are managed to prevent adverse operational impacts and recurrence.
- Employees at all levels in the organization participate in a program of continual improvement.

1.6 CAPABILITY TO PROVIDE SERVICES AND PROVEN STAFF EXPERTISE

The successful outcome of any project depends upon the assigned human resources. The resources of all offices of TRC includes professional engineers, technicians, and support personnel. The key personnel who will make up the project team to perform the work for the City of Breckenridge will have the experience and proven competence in the appropriate field of study, planning, and design.

The present workload of TRC is such that the preliminary groundwork for the project could begin immediately. Mr. Wallace along with other support personnel, will devote ample



time to the project(s) to ensure success. The engineers at TRC are very familiar with the Labor Compliance requirements and contract closeout procedures for all types of projects.

The TRC Team is familiar with municipal government administration, purchasing, and staff requirements and expectations. Team members are also knowledgeable about local contractors, having performed construction oversight for several infrastructure and street improvement projects over the years in the local area. In addition, the team members are active in determining the availability of different types of construction materials and construction procedures through our contacts with local supply companies.

Team personnel have considerable experience with municipalities regarding project administration, contracting, local codes, and design criteria. These services illustrate our ability to represent the City of Breckenridge's interest regarding the evaluation of construction bids, local and out-of-town contractors, and maintaining construction cost controls during the construction of several large projects.

Résumés representative of the Engineering Staff in the Arlington office are included in **Appendix D**.

2.0 INTRODUCTION

TRC Engineers, Inc. (TRC) is a customer-focused company creating and implementing sophisticated and innovative solutions to the challenges facing America's energy, environmental and infrastructure needs. The company is the leading provider of technical, financial risk management, and construction services to industry and government clients across the country. TRC is engaged in the design and construction of infrastructure systems in some of the fastest growing regions of the United States. We provide engineering, scientific, and construction support services to ensure public safety and convenience.

TRC's key services include:

- Street and Roadway Design
- Sidewalk Design
- Master Planning and Design
- Feasibility Studies
- Landscape Planning
- Site Analysis
- Schematic Layouts
- Best Management Practices

- Bid/Construction Administration and Cost Estimating
- > Cultural Resources and Environmental Permitting
- Erosion Control Plans/Irrigation System Design
- Construction Management and Inspection
- Pedestrian and Bike Trail Design
- > Public Involvement/Public Outreach
- Storm Water Management Design
- Bridge Design





2.1 FIRM INFORMATION

TRC Engineers, Inc., is a subsidiary of TRC Companies, Inc., incorporated in 1969. TRC provides a broad range of infrastructure, environmental, and energy consulting services to federal, state, and local government agencies; utilities; and the healthcare and transportation industries. The company is the leading provider of technical, financial risk management, and construction services to industry and government clients across the country. Our breakthrough solutions are backed by more than 50 years of design knowhow. TRC has over 5,000 employees nationwide including experienced professional engineers, geologists, and certified specialists that provide turnkey services to help our clients implement complex projects from initial concept to delivery and operation. We provide engineering, scientific, and construction support services to deliver "results you can rely on".

TRC Engineers, Inc. is licensed by the Texas Board of Professional Engineers, registration number F-8632. TRC staff is current with TxCDBG Project Implementation.

TRC Environmental Corporation (TRC) is subject to claims typical of those made against engineering and consulting companies. These claims are usually resolved through negotiation/mediation. TRC is of the opinion that there has not been any claim that is material to TRC's business or financial capability or to the subject matter of this RFP or that could interfere with TRC's performance of the work requested by this RFP.

Mission: We understand our clients' goals and embrace them as our own, applying creativity, experience, integrity and dedication to deliver superior solutions to the world's energy, environment and infrastructure challenges.

At TRC, sustainability is a fundamental principle that drives our business. Our commitment is reflected in the **Vision Statement** that guides us every day: We will solve the challenges of making the Earth a better place to live – community by community and project by project.

NAMES OF LOCAL PRINCIPAL OFFICERS

K. Beau Perry, PE, Vice President Mark Robbins, President Justin Thomas, Arlington Office DMS Practice Leader

CONTACT

The contact person for TRC Engineers, Inc. for this project is Mr. Tim Wallace, P.E. Please contact him by email at <u>TWallace@trccompanies.com</u> or office at 817-522-1000.



In the State of Texas, TRC employs more than 400 personnel who work out of seven locations: Arlington, Austin (2), Houston (2), Midland, and San Antonio. TRC has continuously performed engineering services for cities throughout the state. One of our Austin offices - which has been open for more than 65 years and currently employs more than 100 people - will work on this project. TRC is poised to provide the City of Breckenridge with the engineering (and additional) services.

The office to perform proposed work is:

TRC Engineers, Inc. 700 Highlander Blvd., Suite 210 Arlington, Texas 76015 Phone: (817) 522-1000

TECHNICAL RESOURCES

TRC utilizes advanced engineering computer design and drafting systems (e.g., AutoCAD 2021.2 and Civil 3D 2021.2 software). These systems provide automation of projects, from data collected in the field to completion of the design plans and then to the final record plans. TRC utilizes advanced GIS tools and systems. These tools allow for accurate site mapping and planning, clear aerial imagery, data analysis, and accurate elevation mapping for estimates before site surveys have been completed. TRC hosts their GIS data in-house, allowing for timely delivery of maps, data, and site analysis. Additionally, TRC personnel have working knowledge of analytical software for structural and electrical analysis, storm and sanitary sewer analysis, drainage, and data management systems (SSA, Water CAD, Storm CAD, Culvert Master, HEC-HMS, HEC-RAS, Hydraflow Hydrographs, SAP2000, Electrical SKM, Sharepoint, etc.).

CAD/GIS GENERAL GROUP CAPABILITIES

Software

- AutoDesk Civil 3D
- AutoDesk Plant 3D
- AutoDesk Revit
- AutoDesk Revit Structural
- AutoDesk 3Ds Max
- AutoDesk Navisworks

- AutoDesk Recap Pro
- AutoDesk Vehicle Tracking
- Autodesk-Infraworks
- Microstation
- ArcGIS
- Plexscape.Earth

- PRINTING / SCANNING
 - Wide Format Scanner Up to 36" wide
 - Color and Black & White scanning to PDF, TIF, JPG, BMP
 - HP Pagewide XL 5200 36" wide any length up to 500'



TRC has extensive experience in municipal engineering services, ranging from planning and design to construction administration. We have prepared numerous engineering studies, master plans, capital improvements plans, and provided general consulting, as well as design services for all types of water, wastewater, paving, drainage, and transportation projects.

ROADWAY & DRAINAGE EXPERIENCE

TRC has extensive experience in providing engineering services for all types of transportation, drainage, environmental, and detention projects. Our expertise ranges from planning and design to construction management. We are pre-certified in more than 45 Texas Department of Transportation Work Categories that include environmental, planning and schematics, PS&E, structural, and survey.

We have a wide range of transportation experience and capabilities, from rural roadways to urban freeway design. Our staff includes planners, civil engineers, designers, environmental scientists, inspectors, technicians, surveyors and CADD operators who are experts in aviation, bridge, highway, rail, waterfront, traffic, and environmental engineering. We specialize in the following areas:

- Freeways and Interchanges
- Traffic Warrant Studies
- Bridge Widening and Replacement > Ramps and Intersection
- > Signalization
- Geometrics
- Balancing Weave and Ramp Lenaths
- Infiltration and Inflow Studies
- Constructed Wetlands
- NPDES Permitting
- Location and Corridor Studies
- Roadways on New Alignment
- Utility Design/Relocation
- Geotechnical Engineering
- Erosion and Sedimentation Control > Public Involvement
- Traffic Engineering
- Pavement and Lighting Design

- Highways and Bridges
- Street Widening
- Roadside Safety
- Drainage and Pavement
- Alternative Ramp Ties to Streets/ Highways
- Industrial/Sanitary/Storm Sewer Mapping
- and Evaluation
- Toxicity Reduction Evaluations
- Rehabilitation and Safety Upgrades
- Intersection Geometry Improvements
- Right-of-Way Plan Preparation
- > Permitting
- Maintenance and Protection of Traffic

A large percentage of the transportation projects that TRC conducts include roadway paving and drainage. This experience encompasses complicated highway design, divided lane parkways, route alignment, resurfacing, lane widening, turning corridors, culverts, headwalls, detention ponds, gravity drains, inlet placement, and surface drainage.



When designing bridges and highway overpasses, our design experts successfully match the functional requirements with the existing development. Our diverse experience includes designing long arched and sloped configurations over wetlands, as well as simulating historic structures.

TRC Environmental Corporation, TRC Engineers, Inc.'s sister company, will provide all environmental services. TRC's cultural and natural resource group is one of the largest in the U.S. TRC helps clients efficiently obtain permits and conduct cultural/natural resource clearances for new and expanding projects prior to land development. We have conducted projects at major U.S. government sites such as Fort Bliss and Fort Hood as well as for the construction of major pipelines, state highways, and surface water reservoirs. TRC provides complete National Historic Preservation Act/National Environmental Policy Act (NHPA/NEPA) archaeological surveys, testing, excavations, and artifact processing and curation. We also provide other NEPA-compliant services such as endangered species surveys and wetland delineation. TRC employs more than 40 archaeologists, historians, architects, and other cultural resource specialists and has been providing complete archaeological and historic preservation services since 1980.

TRC's site investigation and remediation experts help clients extinguish environmental liabilities at their sites. Through strategic project planning and cost-effective implementation, TRC successfully completed more than 3,000 major site assessments, investigations, and cleanups in just the past ten years. Our site characterization experience ranges from Phase I assessments of undeveloped land, to detailed investigations of single spills or waste management units or complex facility-wide investigations. TRC's services also include:

- Surface Water Control Design and Construction
- Phase II MS4 Storm Water Management
- Hydrology and Hydraulics for Watersheds
- Stormwater Drainage Design (open & closed conduit)
- Detention Ponds
- Dam Construction / Inspections

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Floodplain Analysis

TRC's comprehensive capabilities can solve almost any water resource problem. Industrial or municipal, large or small systems, we have experienced professionals ready to assist our clients with their projects. TRC staff members have advanced degrees in specialty areas such as hydraulics, water resources, and hydrology. We provide expertise in all aspects of water, including surface and/or ground water, hydrology, hydraulics, water resources development, water supply, water rights, flood control, drainage, water pollution, water quality, storm water management, non-point source pollutants, solid wastes and environmental impact assessments. We have conducted projects to address water-oriented problems dealing with streams, rivers, canals, pipe distribution systems, ponds, lakes, reservoirs, aquifers, wetlands, bays, and estuaries.TRC has been providing construction and related program management services for major bridge and roadway, water/sewer and environmental construction projects since the establishment of the firm in 1948. Our construction engineering and inspection (CE&T) and construction management services include:



- Program Support Services
 - Scheduling
 - Estimating
 - Value Engineering
 - Project Controls
- Construction Management Services
 - Contract administration
 - Construction engineering and inspection
 - Quality assurance
 - Claims management

- Project Management Services
 - Conceptual and planning phase

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- Programming phase
- Design phase
- Construction phase
- Post-construction Services
 - Dispute analysis/resolution
 - Maintenance programming
 - Warranty inspection
 - Financing inspections

TRC's diverse capabilities in the water resources arena allow us to offer clients a singlesource solution to most projects. Our clients benefit from our technical expertise as well as our thorough understanding of regulatory issues. We've earned a reputation as a firm capable of handling difficult assignments while providing responsive, cost-effective, onbudget, and quality service.

SAMPLE ROADWAY & DRAINAGE PROJECTS

Project Information	Project Description
County Line Road Phase I City of Elgin	The project consists of approximately 5,000 linear feet (LF) of roadway widening: 4,300 (LF) of County Line Road between North Avenue C (FM1100) and Carlson Lane; and 700 (LF) of Raymond Johnson Road between North Avenue C (FM1100) and County Line Road. Also included in the project are improvements to the entrance of Elgin High School with 13 additional parking spaces. The work will consist of storm sewer design, street design, a drainage study, sidewalks and site design. Cost: \$5,552,800
FM 1100 Schematic Design City of Elgin	TRC worked with the City of Elgin and TxDOT on the schematics for the reconstruction of FM 1100 between SH 95 and County Line Road from a two-lane rural roadway to a four-lane divided roadway with shoulders. The approximate length of the project is 7,200 LF or 1.4 miles. FM 1100 is funded as part of the Transportation Enhancement Project through TxDOT. TRC is responsible for designing the road, utility adjustments, and drainage improvements that consist of extending a bridge class culvert and 3 cross culverts. TRC provided a comprehensive drainage study for the tree tributaries and the Elm Creek Crossing. During the schematic design process, TRC, TxDOT and the City of Elgin hosted public meetings for the community's input of 4 schematic designs of FM 1100. TRC attended various meetings with City of Elgin staff and TxDOT staff at the TxDOT Georgetown Area Office, TxDOT Bastrop Area Office and TxDOT North Austin District Office to discuss the schematic design and required ROW. Environmental permitting and reviews were coordinated between TRC and TxDOT. Some the of the environmental services include: Biological Resources Investigation, Threatened and Endangered Species Review, Initial Site

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Project Information	Project Description
	Assessment (for hazardous materials), Archaeological Investigation, Field Investigations, Historical Resources Project Coordination, and Environmental Assessments. Cost: \$6,300,000
2019 TDA Main Street Program City of Seguin	Project consists of 450 LF of 10' wide sidewalk with the design of four (4) curb islands including two (2) ADA curb ramps in each island in downtown Seguin. The project will also include storm drains, curb, lighting and handrail. Cost: \$318,000 (est.)
Milam Street Reconstruction City of Seguin	The project consists of 3,490 LF of roadway reconstruction with road widths ranging from 31 to 36 feet wide; 3,200 LF of 5'-wide sidewalk; 2,000 LF of 30" to 36" RCP storm drain lines, 1,800 LF of 3' x 3' and 4' x 3' RCB storm drain; and 2,600 LF of 6" to 10" PVC sanitary sewer. Cost: \$3,500,000
Lee Dildy and Roy Rivers Boulevard Extension City of Elgin	This project consisted of 3,000 LF of a boulevard road extension where work consisted of the design of storm sewer mains, street design and illumination, drainage study, sidewalks, and extension of water and wastewater services from future Saratoga Farms Subdivision to north of proposed boulevard. In addition to the design and drainage study, TRC provided services such as the topographical survey, construction plans preparation, environmental services, ADA/TDLR permitting, traffic control plan, and assisted the bidding and construction phases. TRC acted as the field inspector on behalf of the City of Elgin. Cost: \$3,536,253

WATER EXPERIENCE

TRC team members have provided water services to municipal and industrial clients for almost 60 years. Our professionals have successfully completed numerous, large water projects from feasibility studies, value engineering, facilities planning and permitting, to detailed design and construction management through startup, operations and maintenance facilities. TRC is an expert at obtaining, collecting, and treating water as well as dealing with regulatory bodies such as TCEQ and FEMA. Our familiarity with current practices, standards, regulations, and technologies, as well as future regulatory trends and technological issues, provides our clients with a thorough understanding of agency requirements and expectations. TRC's services also include the following:

- > Water Availability and Development Studies
- > Well Diagnosis
- Water System Analyses
- Elevated/Ground Storage Design/Rehabilitation and Construction
- Booster Station Modifications
- > Water Line Replacement
- Storage, Pumping, Distribution and Transmission System Design and Implementation
- Pipeline and Pumping Station Hydraulic Modeling



We have extensive experience in a wide range of water projects from design of major

new water treatment facilities to retrofit of existing treatment systems. With over 60 years of providing these services, we have a broad perspective on the various approaches to designing and constructing municipal facilities. In addition, we are intimately familiar with current practices, standards. regulations, and technologies, as well as regulatory trends and technological issues. The water services we provide include feasibility analysis, infrastructure development, facilities planning, and treatment.



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SAMPLE WATER PROJECTS

Project Information	Project Description
Water Treatment Plant Booster Station Improvement Project TDEM - HMGP City of Elgin	This TDEM Hazard Mitigation Grant Project consisted of flood improvements to the Elgin WTP Booster Station. TRC provided engineering design for a 6.6 MGD pump station and new electrical motor control building. The pump station design raises six existing vertical turbine pumps above the flood plain and includes valves, controls, piping, and new platforms. The air- conditioned electrical motor control building has a chlorine injection system, flow meter, tank level control, variable speed motor control center, and office. Cost: \$1,232,940
Water Treatment Plant Expansion City of Elgin	TRC prepared engineering feasibility studies and environmental reports, construction plans, and specifications for expansion of an existing, 1.8 MGD facility to a 3.6 MGD facility, with certain components designed for ultimate build-out to 5.4 MGD. The facility provides iron/manganese removal for well water approximately 10 miles east of Elgin. The facility includes a forced draft aerator; air rapid mix and flocculation basin; up flow solids contact clarifier, gravity backwash filtration; filter backwash and clarifier sludge decant basin; and a chemical feed building. TRC previously designed the existing and 2.1 MGD raw water treatment plants. Cost: \$4,100,000
TxCDBG 18" Raw Water Main City of Elgin	TRC provided the design for construction for 470 LF of existing 12" raw water main removal and replacement with a 24" water main and 3,120 LF of 18" water main. Cost: \$291,186
18" Raw Water Transmission Line Phase II City of Elgin	This project involved the installation of 20,600 feet of 18" raw water transmission line for the City of Elgin. This Phase II extended the 18" line size provided by Phase I, upgrading the transmission line from the previous 12" line size. With the completion of Phase II, the transmission line upgrade is now complete, proving a continuous 18" line size from the City's water supply wells to the water treatment plant. The project also added two control valves near the delivery point at the water treatment plant allowing for more a responsive and consistent



Project Information	Project Description
	delivery of the City's water supply. At the successful completion of this project, the City of Elgin is now able to sustain a higher flow rate and with greater efficiency due to the larger pipe diameter and new pipe condition. TRC was contracted to provide professional engineering services, beginning with identifying the existing water facilities easement and continuing through project completion. In addition, a topographic and improvements survey was performed for the nearly 4 miles of Phase II for project design and hydraulic modeling. TRC prepared construction documents as well as obtained the necessary regulatory permits. TRC performed bidding services through a public bidding process, facilitating the bid opening, reviewing and tabulating the bids, and recommended for award of the construction contract. Construction administration services were provided which included reviewing contractor submittals, work progress, performing construction observation, facilitating project communication, and finalizing closeout documents. Cost: \$2,191,611
2017 Water and Sewer Improvements City of Elgin	TRC provided the design for removal and replacement construction for 900 LF of 10" gravity sewer main with 12" gravity sewer pipe, one new manhole and two manhole connections along Ramirez Road; 920 LF 6" gravity sewer main with 8" gravity sewer pipe, two new manholes and two manhole connections, 680 LF of 2" water main with 6" PVC water line, connect to existing 6" and 18" water mains and service connections located in the alley just east of North Main Street between 2nd Street and Depot Street; 815 LF of 6" gravity sewer main with 8" gravity sewer pipe, two new manholes and three manholes connections located along East 2nd Street between North Avenue J and Q S Goins Lane. Cost: \$371,869
Highway 80 Water Project City of Breckenridge	Installation of 4,020 LF of 6" PVC water main, 108 LF 12" OD x 3/8" wall thickness steel casing by bore, gate valves, fire hydrants, and all other necessary appurtenances. Cost: \$285,630
WTP Electrical Generator Platform and Appurtenances City of Seguin	TRC provided the design and specifications for installation of an electrical elevated steel generator platform and stairway, control panels, wiring/conduit, installation of Owner-supplied electrical generator and transfer switches, and all other appurtenances necessary for the complete Project. Cost: \$523,147



TRC team members have many years of combined experience providing wastewater services to municipal and industrial clients. From design of major treatment facilities, to retrofitting existing treatment and collection systems, we have a broad perspective on various approaches to design and construction for municipal, private, and government facilities.

In addition, we are intimately familiar with current practices, standards, regulations, and technologies, as well as regulatory trends and technological issues. Our professionals have successfully completed more than 130 wastewater-specific projects. Our experience includes the following areas:

- Turnkey services for all projects, including preliminary and final design, construction, and warranty of facilities
- > Special problem analyses and studies
- > Treatment plant evaluation, process optimization, design, and construction
- Sewer and lift station design/rehabilitation and construction
- Booster station modifications
- Sewer line replacement
- Project feasibility analyses
- Project cost estimates and scheduling
- > Collection systems design and implementation
- > Pipeline and pumping station hydraulic modeling and hydraulic capacity
- > Telemetry instrumentation and control
- Construction oversight services
- Water reuse distribution/systems
- Industrial, sanitary, and storm sewer mapping and evaluation
- Infiltration and inflow studies
- Toxicity reduction evaluations
- Permitting and compliance
- Storm water drainage
- Hydrology and hydraulics for watersheds
- Manufacturing process characterization and process modifications to minimize wastes and wastewaters
- Modeling and documenting the fate of inorganic and organic chemicals in wastewater unit processes, including bench-, pilot-, and full-scale treatability testing, and Water 9 air emissions modeling
- Innovated conceptual designs based on treatability testing
- Zero discharge assessments
- > Discharge permit strategic assessments
- Integrated treatment system detailed engineering design
- Problem Analyses and Studies
- > Treatment Plant Evaluation, Process Optimization, Design, and Construction
- Project Feasibility Analyses





- Project Cost Estimates and Scheduling
- Telemetry Instrumentation and Control
- Construction Oversight Services
- Water Reuse Distribution/Systems
- Toxicity Reduction Evaluations
- NPDES Permitting
- Sewer and Lift Station Design/Rehabilitation and Construction
- Sewer Line Replacement
- Industrial, Sanitary, and Storm Sewer Mapping and Evaluation
- Infiltration and Inflow Studies
- > Collection Systems Design and Implementation

TRC understands both industrial and municipal systems and has designed, constructed, and retrofitted numerous raw water and wastewater treatment facilities. TRC designs complete wastewater facilities, including aerobic, anaerobic and tertiary treatment processes, as required by federal and state agencies. Each facility is tailored to our client's needs and requirements to attain the necessary level of treatment. We use only the most advanced technology available. This approach ensures each project is environmentally sound, professionally designed, and cost effective.

The following is a list of different design techniques TRC has utilized.

- Oil/Water separation: A typical installation includes storm water surge control/detention, influent screening, grit removal, oil/water separator in a concrete/steel tank, surface and bottom oil extraction, oil handling system, and control system.
- Filtration: A typical installation includes multiple filter basins or cells (steel or concrete construction), influent distribution, media (sand/anthracite, fabric, or other), backwashing unit, effluent collection, air scour or surface wash units, piping, valves, and automatic control system.



- Lagoons: A typical installation includes sewer collection and pumping, influent screening, aerated and stabilization lagoons, lagoon flow control, and influent/effluent flow measurement.
- Activated sludge: A typical installation includes sewer collection and pumping, influent screening, grit removal, primary clarifiers (optional), biological aeration basins, final sedimentation basins, filtration (optional), disinfection, sludge handling and dewatering, influent/effluent flow measurement, and odor control (optional).
- Dissolved air flotation: TRC staff have worked on projects with dissolved air flotation (DAF). A typical installation includes sewer collection and pumping, sedimentation, coagulant/flocculent dosage, air compressor and pressurization



vessel, oil skimming and handling, sludge handling and collection, and flow measurement.

Turnkey Filter System For Activated Sludge Wastewater Treatment



New Tertiary Cloth Filter

New Final Clarifier

Final Effluent

TRC understands both industrial and municipal systems and has designed, constructed, and retrofitted numerous raw water and wastewater treatment facilities. TRC designs complete wastewater facilities, including aerobic, anaerobic and tertiary treatment processes, as required by federal and state agencies. Each facility is tailored to our client's needs and requirements to attain the necessary level of treatment. We use only the most advanced technology available. This approach ensures each project is environmentally sound, professionally designed, and cost effective.

SAMPLE WASTEWATER PROJECTS

Project Information	Project Description
Elgin Wastewater Treatment Plant Expansion City of Elgin	TRC is currently in the design phase for expansion of the existing 0.95 MGD WWTP to 2.0 MGD for the City of Elgin, including upgrades to the existing raw sewage lift station, new grit removal equipment, aeration basin aerator replacement, aeration basin RAS pump replacement, new clarifier flow split box, new clarifier, new chlorine basin flow split box, new chlorine basin, new disk filters, new effluent pipe and outfall structure, new aerobic digester and blowers, sludge thickener equipment replacement, new sludge belt filter press, alum and liquid chlorine feed system replacement, new NPW pumps and controls, new administration building, new electrical generator, access road modifications, and general site work. Cost: \$15,000,000 (est.)
FM 1704 Wastewater Extension City of Elgin	TRC provided design, plans and specifications for the installation of one 8' x 8' new precast concrete wet well, 1 precast concrete valve vault, 2 submersible pumps, 20 new manholes, approximately 5,630 LF of new 6" C-900 PVC force main, approximately 1,048 LF of new 10" SDR-26 PVC wastewater lines, approximately 5,353 LF of new 12" SDR-26 PVC wastewater lines, lift station site improvements including 8 foot tall masonry wall with one 16 foot double wrought iron gate, electrical panels, gravel surfacing and all other appurtenances necessary for the complete Project Cost: \$2,118,315 (est.)



Project Information	Project Description
Central Lift Station Project City of Elgin	TRC provided plans and specifications for the installation of one 8' x 8' new precast concrete wet well, two submersible pumps, 1 precast concrete valve vault, 6 new manholes, 191 linear feet of new 8" C-900 PVC force main, 22 LF of new 8" SDR-26 PVC wastewater line and 170 LF of new 12" SDR-26 PVC wastewater line, remove and replace 704 LF of existing 6" wastewater line with new 12" SDR-26 PVC wastewater line, remove and replace 618 LF of existing 6" wastewater line with new 12" C-900 PVC wastewater line, lift station site improvements including 8 foot tall masonry wall with one 16 foot double wrought iron door gate, electrical panels, gravel surfacing and concrete pads; abandon/demolish existing Lift Station. Cost: \$851,904
Borchert Lane Sanitary Sewer Project City of Lockhart	TRC created preliminary studies, selected routes, performed surveying, and created detailed design for the installation of 2,330 LF of 12" sanitary sewer main. Additionally, TRC provided construction plans, specifications, and construction management services. Cost: \$120,000
Yoakum Sanitary Sewer Replacement City of Yoakum	TRC assisted the City in obtaining funding from the TWDB for this project which spanned several years. The project consisted of sewer line replacements and extensions in order to address problems with inflows and existing grade or slope in sewer lines installed in 1918. Re-routing of a few of the sewers optimized the system and shortened length of flow, as well as enhanced carrying capacity for future growth. Two new lift stations provided deeper influent sewers to enhance future growth at the extremities of the system. This project involved the replacement of 78,000 LF of sewer lines carried out in three phases of 26,000 LF, each, including the installation of manholes, service connections, and pavement repairs and related items of work dictated by location and proximity to other facilities. This project involved the use of pipe bursting technology for 400 LF of sewer line. Cost: \$6,000,000
Highway 84-553 Utility Service Project City of Breckenridge	The project consists of installing 3,000 linear feet of 6" water main, 2,900 linear feet of 6" gravity sewer main, 4,550 linear feet of 4" sewer force main, and two new sewer lift stations. Cost: \$551,287



February 2, 2023

PLANNING AND LANDSCAPING EXPERIENCE



From neighborhood playgrounds to regional recreational facilities, our planners and designers will provide complete assistance to the City of Breckenridge. TRC has many years of experience in providing engineering services for all types of municipality projects. TRC is familiar with the policies, procedures, and standards of city and local government agencies. TRC has a working relationship with state regulatory agencies, TxDOT offices, water supply corporations and river authorities.

TRC staff members provide comprehensive community planning to locate recreational facilities that are easily accessible and environmentally appealing. We assist with capital improvement budgeting, identifying funding sources, and community outreach. Our experts analyze flood plains to identify needed open space without the loss of productive land. TRC has also assisted cities with adopting subdivision ordinances and construction standards. Our planning and landscaping services include the following:

- > Site Analysis
- Feasibility Studies
- Schematic Layouts
- Landscape Planning
- Plot Review
- Impact Fee Review
- > Annexations
- Site Plan Development

- Bid/Construction Administration and Cost Estimating
- Erosion Control Plans/Irrigation System Design
- Construction Management and Inspection
- Subdivision Construction Plan Review
- Public Involvement/Public Outreach
- Storm Water Management Design
- Best Management Practices

From inception through construction, we can provide high-quality, professional services for the City of Breckenridge projects. TRC staff includes professional engineers with specialties including civil, chemical, environmental, mechanical, electrical, instrumentation, and structural, registered professional landscape architects, surveyors, cost estimators, funding, and permitting, and construction specialists. Our project experience includes swimming pools, sports complexes, concession stands, restrooms, baseball and soccer fields, and fishing piers. These projects involved Texas Parks and Wildlife grants and community development block grants.



Engineering Services for TxCDBGDRP/MS Program

February 2, 2023

SAMPLE PLANNING AND LANDSCAPING PROJECTS

Project Information	Project Description
Park West Sidewalk City of Seguin	This project consisted of the design and installation of sidewalks and curb ramps along North Vaughan Avenue, San Antonio Avenue and within Park West Park, with a pedestrian bridge over Walnut Branch east of North Vaughan Avenue. The sidewalk along North Vaughan Avenue is approximately 2,500 LF of 5-foot wide sidewalk. The sidewalk along San Antonio Avenue is approximately 3,050 LF of 5-foot wide sidewalk. The sidewalk within Park West Park is approximately 5,280 LF of 6-foot wide sidewalk. Plans were submitted to TDLR for review. Cost: \$1,000,100
ADA Sidewalk and Ramp Improvements, Groups 5-18 City of Austin	Over the last 10 years TRC has provided design and construction management services for over 1,000,000 SF of sidewalks, ramps, bike lanes, shared use paths, retaining walls, curbs, bus stops and various drainage structures for the City of Austin. TRC's primary focus was to assist the City in pursuing its goals of increasing pedestrian connectivity, and increasing compliance to ADA and TAS regulatory standards. TRC provided technical expertise to create specialized designs and details including, site regrading, culvert extensions, valley gutters, saw-tooth curbs, rain gardens, and more, to ensure that the drainage, geotechnical stability, street integrity, safety, and overall aesthetics were improved upon. TRC's duties included regular meetings with City Officials and contractors to help manage and develop strategies for the preparation of preliminary and long range plans, schedules, detailed final plans, specifications, special conditions and agreements. TRC developed cost estimates, tracked expenditures, reviewed payment applications, and was responsible for the preparation of bid documents, construction feasibility assessments, and various permits. Cost: \$10,000,000

HONORS/AWARDS

The U.S. Environmental Protection Agency (EPA) has named TRC's Energy Services division as a 2008 ENERGY STAR Partner of the Year for outstanding energy management and reductions in greenhouse gas emissions. Selected from over 1,400 eligible firms, TRC has been designing and managing energy efficiency programs throughout its customer offerings since 2003. TRC's commitment to client satisfaction and successful project performance has placed TRC in the top 10% of Engineering News-Record's (ENR's) Top 500 Design Firms (#19) and in the top 25% of ENR's Top 200 Environmental Firms. TRC has also received Environmental Business Journal 2018 Business Achievement Awards in recognition of our work that has been significant in advancing the environmental industry, a 2013 Environmental Business Journal Business Achievement Silver Medal (Large Firms), an Environmental Business Journal Business Achievement Award: Mergers and Acquisitions, and a 2014 Environmental Business Journal Project Merit Award. TRC was awarded the 2015 American Council for Engineering Companies' Best of State and National Recognition Award. In addition, No. 7 in the Power sector, No. 8 in the Hazardous Waste sector and No. 18 Top 20 of the Industrial Process/Petroleum sector.



TXCDBG FUNDS APPLICATION

Upon TRC's receipt of a letter of authorization to commence planning, TRC will meet with the City of Breckenridge for the purpose of determining an exact scope of the Project.

TRC will determine the City of Breckenridge's needs regarding the project, including, but not limited to, site evaluation, survey needs, and comparisons with other municipal projects, review of budgetary constraints, and other preliminary investigations necessary for the project. TRC will analyze the project and best present the challenges found in the conceptual phase as well as cost estimates, tables, and documents for TXCDBG applications.

TRC will prepare a conceptual design that will include schematic layouts, surveys, sketches, and exhibits demonstrating the considerations involved in the project to be submitted. During funds acquisition phase, TRC will:

- Meet with City of Breckenridge staff to determine the City of Breckenridge's needs. Conduct field site visit with City of Breckenridge staff.
- Obtain and review all available data regarding the project, including applicable regulatory, design, operations, and maintenance issues.
- Provide preliminary site layouts for each project site.
- Provide a schedule for project implementation.

PRELIMINARY DESIGN PHASE

TRC will prepare the preliminary design, including, but not limited to, the preliminary drawings and specifications. TRC will submit to the City of Breckenridge detailed estimates of the construction costs of each project, based on current area, volume, or other unit costs. Each estimate will also indicate both the cost of each category of work involved in constructing the project and the time required for construction of the project from commencement to final completion. The preliminary design will address compliance with all applicable laws, statutes, ordinances, codes and regulations. TRC will make any necessary surveys of topography, utilities, or other field



data required for proper design of the project. TRC will provide consultation and advise as to the necessity of the City of Breckenridge providing or obtaining other services such as auger borings, core borings, soil tests, or other subsurface explorations; laboratory



testing and inspecting of samples or materials; other special consultations; and act as the City of Breckenridge's representative in connection with any such services.

FINAL DESIGN PHASE

TRC will prepare the final design, including, but not limited to, the bid documents, contracts, drawings, and specifications, to fix and describe the size and character of the project as to structural and mechanical systems, materials, quantities, and such other elements as may be appropriate. The final design of the project will comply with all applicable laws, statutes, ordinances, codes, and regulations.

TRC will provide the City of Breckenridge with complete bid documents sufficient to be advertised for bids by the City of Breckenridge. The documents will include the design and specifications and other changes that are required to fulfill the purpose of the project. Upon completion of the final design of the project, with the submission of the complete bid documents, and upon request by the City of Breckenridge, TRC will meet with City of Breckenridge staff to present the final design of the project. TRC will provide an explanation of the final design and cost estimate. During the final design phase, TRC will:



- Based on the approved preliminary design documents, prepare detailed construction drawings and specifications for the project.
- Furnish to the City of Breckenridge engineering data for and assist in the preparation of the required documents so that the City of Breckenridge may secure approval of such governmental authorities as have jurisdiction over design criteria applicable to the project.
- Advise the City of Breckenridge of any adjustment of the cost estimate for the project caused by change in scope, design requirement or construction costs, and furnish a revised cost estimate for the Project based on the completed drawings and specifications.

BID PREPARATION & EVALUATION

TRC will assist the City of Breckenridge in advertising for and obtaining bids for the construction of the project. Upon request, TRC will meet with City of Breckenridge staff to present, and make recommendations on, the bids submitted for the construction of the project.

TRC will review the construction contractor's bids, including subcontractors, suppliers, and other persons required for completion of the project. TRC will evaluate each bid and provide these evaluations to the City of Breckenridge along with a recommendation on each bid.



Where substitutions are requested by a construction contractor, TRC will review the substitution requested and approve or disapprove such substitutions. Typical bid preparation and evaluation include:

- Preparation of Bid Packet/Contract Documents.
- Bid advertisements/solicitation (to be placed, at a minimum, in a local newspaper of general circulation for two (2) consecutive weeks).
- Bid opening (to be held at least two (2) weeks from publication date of first advertisement).
- Bid tabulation, to include completeness and eligibility screening.
- Announcement of lowest and best bid, if applicable (at bid opening).
- Accomplish supplier eligibility verification.
- Approval of contract award by the City of Breckenridge.

CONSTRUCTION PHASE

TRC will make visits to the site to inspect the progress and quality of the executed work of the construction contractor and his subcontractors and to determine if such work is proceeding in accordance with the contract document.

TRC will keep the City of Breckenridge informed of the progress and quality of the work. TRC will exercise the utmost care and diligence in discovering and promptly reporting to the City of Breckenridge any defects or deficiencies in such work and will disapprove or reject any work failing to conform to the contract documents. TRC will have authority to act on behalf of the City of Breckenridge only to the extent provided in the Engineering Agreement unless modified by written instrument.

TRC will review and approve shop drawings and samples, the results of tests and inspections, and other data that each construction contractor or subcontractor is required to provide. TRC's review and approval will include a determination of whether the work complies with all applicable laws, statutes, ordinances and codes and a determination of whether the work, when completed, will comply with the requirements of the contract documents.

TRC will determine the acceptability of substitute materials and equipment that may be proposed by construction contractors or subcontractors. TRC will also receive and review maintenance and operating instruction manuals, schedules, guarantees, and certificates of inspection, which are to be assembled by the construction contractor in accordance with the contract documents.



TRC will issue all instructions of the City of Breckenridge to the construction contractor as well as interpretations and clarifications of the contract documents pertaining to the performance of the work.

TRC will review the amounts owed to the construction contractor and recommend to the City of Breckenridge in writing, payments to the construction contractor of such amounts. TRC's recommendation of payment, being based upon TRC's on-site inspections and their experience and



qualifications as design professionals, will constitute a recommendation by TRC to the City of Breckenridge that the quality of work is in accordance with the contract documents.

Upon notification from the construction contractor that the project is complete, TRC will conduct an inspection of the site to determine if the project is complete. TRC will prepare a checklist of items that will be completed prior to final acceptance. Upon notification by the construction contractor that the checklist items designated by TRC for completion have been completed, TRC will inspect the project to verify final completion.

TRC will conduct at least one on-site inspection during the warranty period and will report to the City of Breckenridge as to the continued acceptability of the work.

TRC will not execute change orders on behalf of the City of Breckenridge or otherwise alter the financial scope of the project without an advance, written authorization from the City of Breckenridge.

3.1 PROJECT AND REGIONAL UNDERSTANDING

The TRC Team is familiar with the similarities and variations of numerous municipalities of the Texas region regarding administration, purchasing, staff requirements, and expectations. Team members are also knowledgeable about local contractors, having performed construction oversight for several infrastructure projects over the years in the Region. In addition, the team members are active in determining the availability of different types of construction materials and construction procedures through our contacts with local supply companies. Finally, team personnel are familiar with local geologic conditions, having performed several construction inspection observations in the area.

TRC has extensive records and experience with streets, drainage, and utility as shown in the later sections of this proposal, TRC has provided the design services for a vast array of projects within many cities in the State of Texas. This experience and resources are invaluable for project design. TRC will have this information readily available for meetings, presentations, and design of the proposed project.

Team personnel have considerable experience regarding project administration, contracting, agency codes, and design criteria. This experience has been obtained through the successful execution of projects conducted for regional municipalities. These services illustrate our ability to represent the City of Breckenridge's interest regarding the



evaluation of construction bids, local and out-of-town contractors, and maintaining construction cost controls during the construction of several projects. The successful execution of these projects has demonstrated the team's ability to represent the City of Breckenridge and local interests.

3.2 OTHER SPECIAL SERVICES

TRC will provide all special services required for this project, including surveying,

environmental review, historic review, and cultural review. With multimedia compliance experts and one of the largest biological/cultural resources permitting teams in the country, we help you assess environmental conditions, implement engineering solutions and achieve and maintain compliance with regulatory, project and corporate goals. By proactively managing compliance data, performance metrics and training programs, you'll gain a competitive advantage that benefits your employees, operations and bottom line.



TRC professionals bring several unique and innovative offerings to the Texas environmental and engineering marketplace. Our team of environmental engineers and scientists, geologists, biologists, archaeologists, air and water quality experts and compliance specialists has been providing customer-focused solutions to the environmental aspects of infrastructure development for more than 60 years. We provide engineering, scientific, and technical environmental services to customers in various industries. These services include pollution control, waste management, auditing and assessment, permitting and compliance, design and engineering, and natural and cultural resource management. We specialize in air quality and emissions control, licensing new and expanded facilities, and investigating and cleaning up environmentally impaired sites. We focus on the following services:

- Environmental Permitting
- Brownfield / Redevelopment
- Air Quality

- Environmental Engineering
- Restoration and Litigation Support
- Site Selection and Due Diligence

TRC is a trusted advisor and a recognized leader in devising creative, agile solutions to complex environmental challenges. Whether it's cleaning up a contaminated piece of land, monitoring the air quality in and around your facility, ensuring that clean drinking water stays that way or meeting a range of intricate regulatory obligations, our environmental experts help you meet your most pressing needs. There has never been a more important time to find the right balance between pursuing economic growth and protecting the environment for future generations. We collaborate with clients to design tangible solutions that provide real, quantifiable results and ongoing benefits – long after a project's completion.



4.0 COMPENSATION AND PROJECT COMPLETION

Meeting project deadlines and completing projects within budget are two key ingredients to keeping a client satisfied. TRC's history of exceeding client expectations enabled us to remain the prime engineering firm for several cities/counties for over 60 years. TRC analyzes projects for the client's needs and future operations during the critical initial design and not as the project moves forward during construction.

Our standard budgeting and estimating processes are based on years of experience and yields realistic results. TRC has developed a project management and tracking process beginning in the proposal phase, where the scope of service and major milestones are defined and followed through to the end of the construction progress, and beyond.

The proposed project team can take your project from start to finish. The advantages of selecting the TRC Team for this project include:

A team with:

- Relevant project-specific experience in similar projects. TRC has provided design and construction oversight services to numerous clients.
- Project Manager with a proven track record for administrating, coordinating, and completing multiple project assignments within budget and on time.

A proficient, professional staff committed to this project:

- Key personnel are familiar with aspects of these types of projects. TRC assisted several cities and municipalities with budgetary costs, evaluation, and recommendations for this type of project in the planning stage.
- In-house support personnel with experience in all possible project types that may be awarded.
- Our primary objective is to provide a level of service that exceeds the City of Breckenridge's expectations.

Client relationship and integrity are a major concern for a professional service organization. TRC has an excellent reputation, gained from decades of work with all personnel and political officials in positions of authority with client municipalities.





5.0 AFFIRMATIVE ACTION – EQUAL OPPORTUNITY EMPLOYER

TRC works to maintain the goals established by the client to incorporate Historically Underutilized Businesses (HUB), Disadvantaged Business Enterprises (DBE), Small Woman-Owned Business Enterprises (SWBE), Minority Business Enterprises (MBE), and Disabled Veteran Business Enterprises (VBE). The incorporation of sub consultants will meet or exceed the HUB requirements pursuant to Texas Government Code, Chapter 2161.

TRC is an Equal Opportunity and Affirmative Action employer, and it is the policy of TRC to ensure equal employment opportunity to all job applicants and employees and to make employment-related decisions based upon qualifications and ability without regard to race, color, creed, religion, national origin (including those for whom English is a second language or who are legal immigrants), ancestry, age, gender (including pregnancy, childbirth or related medical conditions), sexual orientation, gender identity, transgender status, genetic information, marital status, political affiliation, physical disability, mental disability, medical condition, veteran status, citizenship status, family responsibilities or any other basis protected by local, state or federal laws. TRC will recruit, hire, assign, transfer, promote, train, compensate, provide benefits, and administer programs without regard to the foregoing considerations. TRC strives to provide a work environment free from discrimination and harassment based on any of those factors and prohibits retaliation against any applicant or employee who complains about discrimination or harassment.





APPENDIX A

PARTIAL LIST OF FEDERAL AND STATE FUNDED PROJECTS





LIST OF FEDERAL AND STATE FUNDED PROJECTS

Client	Type of Work	Construction Cost	Status	Funding Source
City of Dilley	Water and Sewer Construction	\$700,000	Complete	USDA
City of Elgin	Flood Control & Drainage Improvements	\$8,936,928	Under Design	GLO
City of Elgin	Pistol Hill GSR	\$4,949,333	Under Design	GLO
City of Elgin	CLR/FM 1100/SH 95 No. Sidewalk	\$690,000	Under Construction	TxDOT
City of Elgin	Replace 18" Water Main; Water Treatment Plant; Water Well; Elevated Tank; Rehab Existing Elevated Tank; Rehab Existing GSR	\$7,300,000	Complete	USDA
City of Elgin	Water Treatment Plant and Distribution	\$750,000	Complete	EDA / HUD
City of Elgin	Sewage Collection System	\$120,000	Complete	HUD
City of Elgin	Sewage Collection System	\$200,000	Complete	HUD
City of Elgin	1980 Drainage, Street, Park, Housing	\$500,000	Complete	HUD
City of Elgin	Streets, Housing Rehabilitation	\$500,000	Complete	HUD
City of Elgin	Streets, Housing Rehab, Sidewalks	\$500,000	Complete	HUD
City of Elgin	Sewage Treatment Plant Expansion	\$900,000	Complete	EPA
City of Elgin	Center Projects	\$2,215,987	Complete	TxDOT
City of Elgin	FM 1100 Conceptual Study	\$10,000,000	Complete	TxDOT
City of Gonzales	Riverbank Stabilization	\$440,000	Complete	NRCS
City of Groesbeck	Street and Box Culvert Improvements	\$190,000	Complete	HUD
City of Hallettsville	Flood Control & Drainage Improvement	\$8,037,250	Under Design	GLO
City of Hallettsville	Dowling Street Drainage Project	\$221,516	Complete	GLO
City of Hallettsville	Drainage Improvements	\$500,000	Complete	HUD
City of Hamilton	WWTP Modifications	\$3,000,000	Complete	USDA
City of Hamilton	Airport Improvements	\$1,200,000	Complete	HUD
Kinney County	Anacacho Lane Low Water Crossing	\$150,000	Complete	TxDOT
Kinney County	Spofford Street Improvements	\$600,000	Complete	TxDOT
Kinney County	Spofford Road Paving Project	\$700,000	Complete	TxDOT
Kinney County	Rehab County Streets and Drainage	\$250,000	Complete	FEMA
Kinney County	Kinney County Road Paving Project	\$690,000	Complete	BCAP
City of Lockhart	Street Improvements	\$230,000	Complete	HUD
City of Lockhart	Water Line Construction	\$180,000	Complete	HUD
City of Lockhart	Street Paving and Water Main	\$350,000	Complete	HUD
City of Lockhart	Treatment Plant	\$1,700,000	Complete	EPA
City of Luling	River Bank Stabilization	\$987,000	Complete	NRCS
City of Luling	Industrial Park Water System	\$2,200,000	Complete	EDA
City of Luling	Luling Bridal Path Sewer	\$300,000	Complete	EDA
City of Marble Falls	Drainage Improvements	\$3,408,160	Under Design	GLO
City of Marble Falls	Water Pump Station and Pipeline	\$320,000	Complete	HUD
City of Marlin	18" Water Main	\$400,000	Complete	EDA
City of Marlin	Wastewater Collection and Treatment	\$1,100,000	Complete	EDA



City of Breckenridge Statement of Qualifications for Engineering Services Engineering Services for TxCDBGDRP/MS Program

	TXCDBGDRP/WS Program			ary 2, 2025
Client	Type of Work	Construction Cost	Status	Funding Source
City of Marlin	Wastewater and Water System Improvements	\$250,000	Complete	TxDOT
City of Natalia	Streets and Drainage Improvements	\$245,000	Complete	FEMA
City of New	Sewage Treatment Plant	\$3,800,000	Complete	EPA
Braunfels			-	
Real County	Stroman Rd. Ditch Rehabilitation	\$120,000	Complete	TxDOT
City of Seguin	Storm Water Pump Station	\$440,000	Complete	FEMA
City of Seguin	FM 466 Street Project	\$175,000	Complete	TxDOT
City of Seguin	SH 123 Bypass and Jim Barnes	\$200,000	Complete	TxDOT
City of Seguin	WWTP Sand Drying Beds	\$250,000	Complete	FEMA
City of Seguin	River Bank Stabilization	\$270,000	Complete	NRCS
City of Seguin	Baxter Street Reconstruction	\$2,000,000	Complete	TxDOT
City of Seguin	Park West Sidewalk	\$973,862	Complete	TxDOT
City of Seguin	Walnut Branch Sidewalk	\$2,801,246	Under Design	TxDOT
City of Smithville	Drainage Improvements	\$125,000	Complete	EDA
City of Smithville	Parks Improvements	\$60,000	Complete	BOR
City of Breckenridge	WWTP Improvements/Sludge Removal Project	\$1,331,088	Complete	USDA
City of Breckenridge	2006 USDA Project-Engineering & Environmental Reports	\$20,000	Complete	USDA
City of Uhland	Flood Control/Drainage Improvements	\$9,542,400	Under Design	GLO
Uvalde County	Low-Water Crossing Project	\$300,000	Complete	DOI
Uvalde County	TWDB Flood Protection Plan	\$239,000	Under Design	TWDB
White Pine County	White Pine County Water and Sewer PER	N/A	Complete	USDA
City of Yoakum	SCADA Improvements	\$220,000	Under Construction	GLO
City of Yoakum	Dunn Street Facility Improvements	\$436,296	Under Construction	GLO
City of Yoakum	Concrete Drainage Channel	\$318,000	Complete	HUD
City of Yoakum	Street Improvements	\$360,000	Complete	HUD
City of Yoakum	0.3 Million Gallon Elevated Tank	\$245,000	Complete	HUD
City of Yoakum	Sanitary Sewer Improvements Project–Year I	\$2,132,000	Complete	TWDB
City of Yoakum	Sanitary Sewer Improvements Project-Year II	\$2,745,000	Complete	TWDB
City of Yoakum	Sanitary Sewer Improvements Project-Year III	\$2,130,000	Complete	TWDB

LIST OF STATE FUNDED PROJECTS

Client	Type of Work	Construction Cost	Status	Funding Source
Bastrop County	Sewer Extensions	\$200,000	Complete	TDHCA
Bastrop County	Drainage Improvements	\$320,000	Complete	TDHCA
City of Big Well	2015 STEP Wastewater	\$119,530	Complete	TxCDBG
	Improvements			
City of Big Wells	2013 Water Main Improvements	\$133,567	Complete	TxCDBG



City of Breckenridge

Statement of Qualifications for Engineering Services Engineering Services for TxCDBGDRP/MS Program

February 2, 2023 Construction Funding Status Client Type of Work Cost Source City of Big Wells **TxCDBG** Downtown Revitalization \$202,000 TxCDBG Complete City of Big Wells 2011 TxCDBG Water Project \$67,000 Complete TDRA City of Big Wells 2009 STEP Water Project \$95,000 Complete TDRA City of Brackettville TxCDBG Disaster Relief Fund Project \$250,000 Complete TDA City of Brackettville 2009 STEP Water Project \$525,000 Complete TDRA City of Brackettville Water Mains TDHCA \$136,000 Complete City of Brackettville **Booster Station** \$136,000 Complete TDHCA City of Brackettville Brackettville Street Survey N/A Complete TDRA City of Brackettville TxCDBG 2013 Street Improvements \$170.000 Complete TxCDBG City of Camp Wood Water Mains \$96,000 Complete TDHCA City of Camp Wood **TCF** Downtown Revitalization \$170,300 Complete TDA Program City of Camp Wood Water Well \$245,000 Complete TDA City of Camp Wood Lift Station Rehab \$92,385 Complete TxCDBG City of Camp Wood **Dowtown Revitalization Program** \$258,161 Complete TxCDBG Sidewalks Phase II City of Camp Wood 2017 CDBG Generator and 275,000 Complete TxCDBG Water/Wastewater Improvements Caldwell County Road Improvements \$450,000 Complete TDHCA TCDP City of Celina Northside Sewer Improvement \$450,000 Complete City of Celina Southside Sewer Improvement \$555,000 Complete TCDP City of Crystal City Water Line Improvements \$260,000 Complete ORCA \$600,000 City of Crystal City **Drainage Improvements** Complete FEMA/ ORCA City of Crystal City 2011 TDRA Sewer Improvements \$65,000 Complete TDA City of Del Rio 2009/10 TxCDBG Planning/Capacity \$59,900 Complete TDRA Building Fund 2007 Water Improvements City of Dilley \$250,000 Complete TDRA City of Dilley 2007 Water, Street, Drainage \$700,000 Complete TDRA Improvements City of Dilley 2009 Water Improvements \$250,000 Complete TDRA City of Dilley **Dilley Infrastructure Improvements** \$250,000 Complete TDRA 2011 CDBG Lift Station City of Dilley \$252,145 Complete TxCDBG Improvements 2013 CDBG Generator Project TxCDBG City of Dilley \$221,360 Complete Edwards County Concrete Low-Water Crossings \$255,000 Complete TDHCA Edwards County County Fairgrounds Restroom \$97,000 Complete TDA Improvements 2015 On-Site Sewage Facility TDA Edwards County \$132,000 Complete Edwards County Fire Station \$250,000 Complete TDHCA Edwards County New Well and System for a Colonia \$435,000 Complete ORCA City of Elgin 2016 Water Main Improvements \$220,850 Complete TxCDBG City of Elgin Sidewalk Improvements \$143,950 Complete TDHCA \$55,500 City of Elgin Planning Grant Complete TDHCA **Drainage Improvements** \$392,000 Complete TDCA City of Elgin City of Elgin 2012 Sidewalk Improvements \$148,880 Complete TxCDBG City of Elgin Street Paving \$290,000 TDCA Complete Street Paving Complete TDOC City of Elgin \$200,000 Water and Sewage System City of Elgin \$300,000 Complete TDWR Improvement



City of Breckenridge Statement of Qualifications for Engineering Services Engineering Services for TxCDBGDRP/MS Program

Engineering Services for	ineering Services for TxCDBGDRP/MS Program		February 2, 2023	
Client	Type of Work	Construction Cost	Status	Funding Source
City of Elgin	Westbrook Lane Lift Station, Sewer, & Water	\$650,000	Complete	ORCA
City of Elgin	18" Water Main Phase I	\$250,000	Complete	TDA
City of Elgin	18" Water Main Phase II	\$250,000	Complete	TDHCA
City of Elgin	Park Improvements	\$500,000	Complete	TP&W
City of Elgin	Comprehensive Plan	\$91,835	Complete	ORCA
City of Ennis	Paving, Railroad, Water and Sewer Lines	\$500,000	Complete	TCFED
City of Ennis	Water and Sewer Improvements	\$250,000	Complete	TDOC
Falls County	2016 CDBG Chilton WWTP Improvements	\$229,825	Complete	TxCDBG
Falls County	Bridge Improvements	\$350,000	Complete	TDHCA
City of Ferris	Sewer Lift Station Rehabilitation	\$260,000	Complete	TDCP
City of Ferris	Water Line Improvements	\$290,000	Complete	TDCP
City of Frisco	Downtown Sewer	\$325,000	Complete	TCDP
GBRA	Wastewater Improvements	\$5,400,000	Complete	TWDB
City of Gonzales	Sewer System Improvements	\$350,000	Complete	TDHCA
City of Gonzales	Sewer System Improvements	\$250,000	Complete	TDHCA
Gonzales County	Road Improvements	\$650,000	Complete	TDHCA
City of Greenville	Sewer System Improvements	\$250,000	Complete	TCDP
City of Groesbeck	Park Improvements	\$55,000	Complete	TP&W
City of Hallettsville	2018 Water Improvements	\$230,000	Complete	TxCDBG
City of Hallettsville	Water Lines 2014	\$260,000	Complete	TDA
City of Hallettsville	2009 Sewer Improvements	\$212,092	Complete	TDRA
City of Hallettsville	2007 Water Project	\$420,000	Complete	TDA
City of Hallettsville	Morgan Building St. Project	\$194,970	Complete	TDA
City of Hamilton	Water Line Improvements	\$201,000	Complete	TDOC
City of Hamilton	Water System Improvements	\$195,000	Complete	TDOC
City of Hamilton	Water System Improvements	\$235,000	Complete	TDHCA
City of Hamilton	2007 Wastewater Improvements	\$250,000	Complete	ORCA
City of Hamilton	Hamilton WWTP Pump Station	\$80,000	Complete	TDRA
City of Hamilton	Hamilton 2009 Water Project	\$250,000	Complete	TDRA
City of Hamilton	2011 TDRA Sewer Project	\$227,500	Complete	TDRA
City of Hearne	2010 CDBG Sewer Project	\$220,000	Complete	TDRA
City of Hearne	2008 Sewer Replacement	\$250,000	Complete	TDHCA
City of Hearne	2002 Sewer Replacement	\$250,000	Complete	TDHCA
City of Hearne	2012 TCF 12" Water Main	\$156,810	Complete	TxCDBG
City of Hearne	2013 Crossroads Nursing and Rehab Center Street, Sewer and Water Improvements	\$609,933	Complete	TxCDBG
City of Hearne	2014 TCF ECMD Pump Station	\$213,808	Complete	TxCDBG
City of Hearne	2016 CDBG Pump Station Project	\$335,655	Complete	TxCDBG
City of Hutto	Planning Grant	\$14,000	Complete	TDCA
Kinney County	2008 Spofford Road Reconstruction	\$275,000	Complete	TDHCA
Kinney County	2011 Street Improvements	\$173,293	Complete	TDRA
Kinney County	US 90 and Ranch Road 693 Water Lines	\$335,910	Complete	TxCDBG
Kinney County	Septic System Installation	\$60,505	Complete	TxCDBG
Kinney County	Waterlines/Ranch Rd. 2804 Booster Station	\$383,089	Complete	TxCDBG



City of Breckenridge

Statement of Qualifications for Engineering Services Engineering Services for TxCDBGDRP/MS Program

February 2, 2023 Construction Funding Status Client Type of Work Cost Source TCDP City of Kaufman Sewer Improvements \$242,000 Complete City of Keene Sewer Improvements \$225,000 Complete TCDP La Salle County La Salle Rehabilitation of Private \$450,000 TDRA Complete Properties La Salle County La Salle 2009 Water Project \$250,000 Complete TDRA City of Lockhart Water and Wastewater System \$230,000 Complete TDHCA Improvements City of Lockhart Complete Park Improvements \$400,000 TP&W City of Lockhart Water and Wastewater System \$1,300,000 Complete TWDB Improvements Water Main Improvements City of Lockhart \$250,000 Complete TDHCA City of Lockhart TDHCA Water and Wastewater System \$250,000 Complete Improvements City of Lockhart Street Improvements TDCA \$370,000 Complete City of Lockhart Utility Improvements \$255,000 Complete TDCA TDCA City of Lockhart Street Improvements \$100,000 Complete TDCA City of Lockhart Street Improvements \$216,000 Complete City of Lockhart Street Paving \$200,000 Complete TDOC Water and Wastewater Systems Complete TDOC City of Lockhart \$250,000 City of Lockhart 2015 CDBG Water Improvements \$308,450 Complete TxCDBG City of Lockhart 2020 CDBG Water Improvements \$282,500 Under TxCDBG Constructio n City of Lott Sewer System Improvements \$250,000 Complete TDHCA City of Lott Water System Improvements \$250,000 Complete TDHCA TDHCA City of Lott Complete Planning Study \$30,000 2011 CDBG WWTP Improvements City of Lott \$212,000 Complete TxCDBG City of Lott 2016 CDBG Water Improvements Complete TxCDBG \$219,350 City of Lott 8" Water Main Improvements Complete TxCDBG \$238,621 City of Luling Water and Sewer Improvements \$800,000 Complete TWDB City of Luling Street Paving \$185,000 Complete TDOC City of Luling Water Extensions \$215,000 Complete TDHCA City of Luling 2005 ORCA Sewer \$265,000 Complete ORCA 2016 CDBG Sewer Improvements TxCDBG City of Luling \$275,495 Complete City of Lytle IH-35 Gas Extension Project \$335,000 Complete TCF IH-35 Gas Extension City of Lytle \$196,900 Complete TCF City of Lytle TxCDBG 2009 Drainage Project \$260,000 Complete TDRA Sewer System Improvements TDHCA City of Lytle \$250,000 Complete City of Lytle \$235,000 TDHCA Well Aeration Complete City of Lytle 2016 TxCDBG Water Improvements \$234,510 Complete TxCDBG City of Marlin Water and Sewer Improvements \$310,000 Complete TDHCA City of Marlin Water System Improvements \$200,000 Complete TDCA City of Marlin Sewer System Improvements \$360,000 Complete TDCA City of Marlin Airport Rehabilitation \$45,000 Complete TAC City of Marlin Sewer System Improvements \$400,000 Complete TDHCA City of Marlin Water Treatment Plant \$360,000 Complete TDHCA City of Marlin Water Treatment Plant \$330,000 TDHCA Complete TDC Prison Water and Sewer City of Marlin \$1,000,000 Complete TWDB City of Marlin Industrial Park \$400,000 Complete TDHCA City of Marlin Wastewater System Improvements \$325,000 Complete TDHCA



City of Breckenridge Statement of Qualifications for Engineering Services Engineering Services for TxCDBGDRP/MS Program

Engineering Services for 1	yineering Services for TxCDBGDRP/MS Program		Febru	February 2, 2023		
Client	Type of Work	Construction Cost	Status	Funding Source		
City of Marlin	Street Improvements	\$300,000	Complete	TDOC		
City of Marlin	Detention Center Water and Sewer	\$400,000	Complete	TDOC		
City of Marlin	Planning Study	\$36,000	Complete	TDHCA		
City of Marlin	Street Paving	\$250,000	Complete	TDOC		
City of Mason	Water and Sewer Extensions	\$75,000	Complete	TDCA		
City of Maypearl	Elevated Water Tank	\$1,200,000	Complete	TCDP		
City of Natalia	Well #7	\$235,000	Complete	TDHCA		
City of Natalia	2015 CDBG Sewer Improvements	\$204,337	Complete	TxCDBG		
City of Natalia	WWTP CDBG 2017-18	\$213,750	Complete	TxCDBG		
City of Navasota	Sewer System Improvements	\$185,000	Complete	TDHCA		
City of Navasota	Industrial Park Drainage	\$420,000	Complete	TDHCA		
City of Nixon	Wastewater Treatment Plant	\$235,000	Complete	TDOC		
City of Palmer	Sewer Improvements	\$219,000	Complete	TCDP		
Real County	Water Facility Improvements	\$395,040	Complete	TxCDBG		
Real County	Chula Vista No. 1 First Time Sewer	\$382,000	Complete	TxCDBG		
Real County	Chula Vista No. 2 First Time Sewer	\$376,000	Complete	TxCDBG		
Robertson County	2009 CDBG Sewer Project	\$197,000	Complete	TDRA		
Robertson County	2010 TDRA Water System Improvements (Humble System)	\$302,264	Complete	TDHCA		
Robertson County	2017 CDBG Water System Improvements (Humble System)	\$214,873	Complete	TxCDBG		
City of Rockdale	2006 ORCA Water System Improvements	\$249,540	Complete	ORCA		
City of Rocksprings	Elevated Tank	\$245,000	Complete	TDHCA		
City of Rocksprings	Street Paving	\$135,000	Complete	TDHCA		
City of Rocksprings	Water Lines	\$235,000	Complete	ORCA		
City of Rocksprings	WWTP Improvements Phase I	\$250,000	Complete	ORCA		
City of Rocksprings	WWTP Improvements Phase II	\$250,000	Complete	ORCA		
City of Rocksprings	Rocksprings 2009 Water/Sewer	\$250,000	Complete	TDRA		
City of Rocksprings	TxCDBG Downtown Revitalization	\$165,000	Complete	TxCDBG		
City of Rosebud	Sewer System Improvements	\$250,000	Complete	TDHCA		
City of Rosebud	Water and Sewer Improvements	\$250,000	Complete	TDHCA		
City of Sabinal	2014 TCF Downtown Revitalization Project	\$123,800	Complete	TCF		
City of Sabinal	Potable Water Storage Tanks Rehab	\$311,500	Complete	TxCDBG		
City of San Saba	Sewer System Improvements	\$235,000	Complete	TDHCA		
City of Seguin	2019 TxCDBG Main Street Program	\$318,000	Under Constructio n	TxCDBG		
City of Spofford	Disaster Relief Fund Water Line Replacement	\$172,140	Complete	TDA		
City of Spofford	On-site Septic Systems & Fire Hydrants	\$85,000	Complete	TDHCA		
City of Breckenridge	Airport Rehabilitation	\$35,000	Complete	TAC		
City of Breckenridge	Sewer System Improvements	\$320,000	Complete	TDHCA		
City of Breckenridge	Water Well	\$250,000	Complete	TDHCA		
City of Breckenridge	Honey Grove 2009 Facility Project	\$250,000	Complete	TDRA		
City of Uhland	2019 Water Improvements	\$160,000	Complete	TxCDBG		
City of Uhland	SH21 Booster Station Generator	\$100,000	Complete	TxCDBG		
City of Uvalde	Water Well	\$245,000	Complete	TDA		

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City of Breckenridge Statement of Qualifications for Engineering Services Engineering Services for TxCDBGDRP/MS Program

Client	Type of Work	Construction Cost	Status	Funding Source	
Uvalde County	Concrete Low-Water Crossings	\$350,000	Complete	TDHCA	
Uvalde County	Knippa WSC Water Improvements and Residential On-Site Septic Systems	\$414,358	Complete	TxCDBG	
Uvalde County	2014 On-Site Septic System Project	\$385,000	Complete	TxCDBG	
Uvalde County	Flores Subdivision First Time Water & N. Hood St. First Time Sewer Improvements	\$384,000	Complete	TxCDBG	
Uvalde County	CDBG Sewer Improvements	\$318,600	Complete	TxCDBG	
Val Verde County	US 90 and Escondido Estates Water Lines	\$272,566	Complete	TDA	
Val Verde County	Escondido Estates Booster Station	\$580,021	Complete	TDA	
Val Verde County	2012 TxCDBG Water Project	\$187,000	Complete	TxCDBG	
Val Verde County	2013 Water Improvement Project	\$186,000	Complete	TDA	
Val Verde County	Water Line- Materials Only	\$74,000	Complete	TDA	
City of Van Alstyne	Main St. Water, Sewer and Paving	\$485,000	Complete	TCDP	
City of Whitney	Comprehensive Plan	\$30,590	Complete	ORCA	
City of Yoakum	2016 CDBG Sewer Improvements	\$248,415	Complete	TxCDBG	
City of Yoakum	2012 TDA Sewer Improvements	\$125,500	Complete	TDA	
City of Yoakum	Street Paving	\$200,000	Complete	TDCA	
City of Yoakum	Airport Rehabilitation	\$50,000	Complete	TAC	
City of Yoakum	Park Improvements	\$65,000	Complete	TP&W	







February 2.

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	DUCER				CONTACT NAME:				
	yling Ins. Brokerage/EPIC			·	PHONE (A/C, No, Ext):		FAX (A/C, No):		
	0 Mansell Road, Suite 370				E-MAIL ADDRESS:		+ (***) · · · · /·		
Alp	haretta, GA 30022					INSURER(S) AF	FORDING COVERAGE		NAIC #
					INSURER A : National				19445
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	C Environmental Corporation; T		-		INSURER C : Evansto				35378
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Α	X COMMERCIAL GENERAL LIABILITY			GL5341999	04/01/2022	04/01/2023	EACH OCCURRENCE	\$1,00	0,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$500,	000
	X Contractual Liab.						MED EXP (Any one person)	\$25,0	
							PERSONAL & ADV INJURY	\$1,00	· ·
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$2,00	,
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Α				CA4773667 (AOS)	04/01/2022	04/01/2023	COMBINED SINGLE LIMIT (Ea accident)	1,00	0.000
Α	X ANY AUTO			CA4773668 (MA)			BODILY INJURY (Per person)	\$	-,
	OWNED SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$	
	X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
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С	X EXCESS LIAB CLAIMS-MADE			MKLV2EFX100862	04/01/2022	04/01/2023	AGGREGATE	\$2,00	0,000
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D E	AND EMPLOYERS' LIABILITY			WC022298274 (AOS) WC022298275 (CA)	04/01/2022		X PER OTH- STATUTE E.L. EACH ACCIDENT	\$1,00	0.000
E	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N / A		WGUZZZ90ZI9 (GA)	04/01/2022	04/01/2023	E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE		
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT		
F	Prof. Liab. incl.			PEC019684306	04/01/2022	04/01/2023	Per Claim \$1,000,00		-,
	Poll. Liability						Aggregate \$1,000,00		
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)									
	Umbrella Follows Form with	resp	ects	s to General. Automo	obile & Employ	ers Liabilit	v Policies.		
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	Insured with respects to Gen								
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	Evidence of Insurance -						REOF, NOTICE WILL B LICY PROVISIONS.		VERED IN

AUTHORIZED REPRESENTATIVE

DAN. Collinga

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For Proposal Only



SYSTEM FOR AWARD MANAGEMENT



February 2,

SAM,GOV® **TRC ENGINEERS, INC**

DUNS Unique Entity ID 196453711	SAM Unique Entity ID GA9NC9RFYU35	CAGE / NCAGE 4SV34
Purpose of Registration All Awards	Expiration Date Oct 5, 2021	Registration Status Active
Physical Address 8550 United Plaza BLVD, STE-502 Baton Rouge, Louisiana 70809 United States	Mailing Address 8550 United Plaza Boulevard Suite 502 Baton Rouge, Louisiana 70809 United States	
Business Information		
Doing Business as (blank)	Division Name Baton Rouge	Division Number (blank)
Congressional District Louisiana 06	State / Country of Incorporation New Jersey / United States	URL http://www.trccompanies.com
Registration Dates		
Activation Date Oct 5, 2020	Submission Date Oct 5, 2020	Initial Registration Date Jun 25, 2007
Entity Dates		
Entity Start Date Jan 3, 1923	Fiscal Year End Close Date Jun 30	
Immediate Owner		
CAGE (blank)	Legal Business Name (blank)	
Highest Level Owner		
CAGE (blank)	Legal Business Name (blank)	

Executive Compensation

Registrants in the System for Award Management (SAM) respond to the Executive Compensation questions in accordance with Section 6202 of P.L. 110-252, amending the Federal Funding Accountability and Transparency Act (P.L. 109-282). This information is not displayed in SAM. It is sent to USAspending.gov for display in association with an eligible award. Maintaining an active registration in SAM demonstrates the registrant responded to the questions.

Proceedings Questions

Registrants in the System for Award Management (SAM) respond to proceedings questions in accordance with FAR 52.209-7, FAR 52.209-9, or 2.C.F.R. 200 Appendix XII. Their responses are not displayed in SAM. They are sent to FAPIIS.gov for display as applicable. Maintaining an active registration in SAM demonstrates the registrant responded to the proceedings questions.

SAM Search Authorization

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes

Entity Types		
Business Types		
Entity Structure Corporate Entity (Not Tax Exempt)	Entity Type Business or Organization	Organization Factors (blank)
Profit Structure For Profit Organization		
Government Types		
(blank)		
Financial Information		

Last updated by William Weaver on Oct 05, 2020 at 11:06 AM

	TRC ENGINEERS,	INC
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Accepts Credit Ca No	ard Payments	Debt Subject To Offset No	
Points of Contac	rt		
Electronic Bus	siness		
റ്റ Paul McShane 8607315701		21 Griffin Road North Windsor, Connecticut 060 United States	95
William Weaver 8562731224		16000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 United States	
Government B	usiness		
♀ Durk Krone 2252476704		8550 United PLAZA-STE50 Baton Rouge, Louisiana 7 United States	
William Weaver 8562731224		16000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 United States	
Past Performa	nce		
୨₊ Durk Krone 2252476704		8550 United PLAZA-STE50 Baton Rouge, Louisiana 7 United States	
William Weaver 8562731224		16000 Commerce Parkway Suite B Mount Laurel, New Jersey 0805 United States	4
Service Classific	ations		
NAICS Codes			
Primary Yes	NAICS Codes 541330		NAICS Title Engineering Services
	541620		Environmental Consulting Services
Disaster Respon	ise		
Yes, this entity ap	ppears in the disaster respo	nse registry.	
O ()			

States Any Counties (blank) Metropolitan Statistical Areas (blank)

LSAM,GOV[®] TRC ENGINEERS, INC

DUNS Unique Entity ID 040760969	SAM Unique Entity ID MJSJBC3LYVQ5	CAGE / NCAGE 3MFD2
Purpose of Registration All Awards	Expiration Date Nov 9, 2021	Registration Status Active
Physical Address 10680 White Rock RD Sacramento, California 95827 United States	Mailing Address 1430 Broadway 10TH Floor New York, New York 10018 United States	
Business Information		
Doing Business as (blank)	Division Name (blank)	Division Number (blank)
Congressional District California 07	State / Country of Incorporation New Jersey / United States	URL http://www.trccompanies.com
Registration Dates		
Activation Date May 13, 2020	Submission Date May 13, 2020	Initial Registration Date Nov 24, 2003
Entity Dates		
Entity Start Date Jan 1, 1923	Fiscal Year End Close Date Jun 30	
Immediate Owner		
CAGE (blank)	Legal Business Name (blank)	
Highest Level Owner		
CAGE (blank)	Legal Business Name (blank)	

Executive Compensation

Registrants in the System for Award Management (SAM) respond to the Executive Compensation questions in accordance with Section 6202 of P.L. 110-252, amending the Federal Funding Accountability and Transparency Act (P.L. 109-282). This information is not displayed in SAM. It is sent to USAspending.gov for display in association with an eligible award. Maintaining an active registration in SAM demonstrates the registrant responded to the questions.

Proceedings Questions

Registrants in the System for Award Management (SAM) respond to proceedings questions in accordance with FAR 52.209-7, FAR 52.209-9, or 2.C.F.R. 200 Appendix XII. Their responses are not displayed in SAM. They are sent to FAPIIS.gov for display as applicable. Maintaining an active registration in SAM demonstrates the registrant responded to the proceedings questions.

SAM Search Authorization

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes

Entity Types		
Business Types		
Entity Structure	Entity Type	Organization Factors
Corporate Entity (Not Tax Exempt)	Business or Organization	(blank)
Profit Structure		
For Profit Organization		
Government Types		
(blank)		
Financial Information		

Last updated by Stephen Galati on May 13, 2020 at 03:29 PM

Accepts Credit Card Payments No	Debt Subject To Offset No
Points of Contact	
Electronic Business	
Ջ Stephen R Galati, Director - Strategic Proposals 2074851901	7121 Fairway Drive Palm Beach Gardens, Florida 33418 United States
Anne Kadlec, Senior Proposal Manager 9786563676	650 Suffolk Street Lowell, Massachusetts 01854 United States
Government Business	
 ♀ Stephen R Galati, Director of Strategic Proposals 2074851901 	7121 Fairway Drive Palm Beach Gardens, Florida 33418 United States
Stephen R Galati, Director - Strategic Proposals 2074851901	7121 Fairway Drive Palm Beach Gardens, Florida 33418 United States
Past Performance	
ରୁ Stephen R Galati, Manager - National Proposals 2074851901	7121 Fairway Drive Palm Beach Gardens, Florida 33418 United States
Anne Kadlec, Senior Proposal Manager 9786563676	650 Suffolk Street Lowell, Massachusetts 01854 United States

NAICS Codes

NAICS COUES		
Primary	NAICS Codes	NAICS Title
Yes	541330	Engineering Services
	221121	Electric Bulk Power Transmission And Control
	221122	Electric Power Distribution
	237990	Other Heavy And Civil Engineering Construction
	424710	Petroleum Bulk Stations And Terminals
	485111	Mixed Mode Transit Systems
	541611	Administrative Management And General Management Consulting
		Services
	541620	Environmental Consulting Services
	541690	Other Scientific And Technical Consulting Services
	562910	Remediation Services
	712120	Historical Sites
	928110	National Security

Product and Service Codes	
PSC	PSC Name
AD24	R&D- Defense Other: Services (Engineering Development)
AG34	R&D- Energy: Geothermal (Engineering Development)
AG44	R&D- Energy: Wind (Engineering Development)
AG74	R&D- Energy: Solar/Photovoltaic (Engineering Development)
AG94	R&D- Energy: Other (Engineering Development)
AT41	R&D- Other Transportation: Passenger Safety And Security (Basic Research)

AT42	R&D- Other Transportation: Passenger Safety And Security (Applied Research/Exploratory Development)
AT43	R&D- Other Transportation: Passenger Safety And Security (Advanced Development)
AT44	R&D- Other Transportation: Passenger Safety And Security (Engineering Development)
AT45	R&D- Other Transportation: Passenger Safety And Security (Operational Systems Development)

Disaster Response

Yes, this entity appears in the disaster response registry.

States	Counties
Any	(blank)

Metropolitan Statistical Areas (blank)



Conflict of Interest Questionnaire



February 2.

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity	FORM CIQ				
This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.	OFFICE USE ONLY				
This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).	Date Received				
By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. <i>See</i> Section 176.006(a-1), Local Government Code.					
A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.					
Name of vendor who has a business relationship with local governmental entity.					
TRC Engineers, Inc.					
2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)					
³ Name of local government officer about whom the information is being disclosed. N/A					
Name of Officer					
 ⁴ Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary. N/A A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor? Yes No B. Is the vendor receiving or likely to receive taxable income, other than investment officer or a family member of the officer AND the taxable income is not received from the local governmental entity? 					
Yes X No					
 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more. N/A 					
6 Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).					
	2/2023 Date				

00-201

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

 $(\bar{\textbf{i}})$ a contract between the local governmental entity and vendor has been executed; or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.



Certification Regarding Lobbying and Disclosure Activities



DISCLOSURE OF LO	Approved by OMB		
Complete this form to disclose lobbying	g activities pursuant	to 31 U.S.C. 1352	0348-0046
(See reverse for pul	blic burden disclosu	re.)	
1. Type of Federal Action:2. Status of Federalba. contractab. grantb. initia	b. initial award c. post-award ng Entity: 5. If Reporting Er and Address of		ing I change Change Only: quarter st report ubawardee, Enter Name
Congressional District, <i>if known</i> : ^{4c} 6. Federal Department/Agency: Texas Department of Agriculture	Congressional District, <i>if known</i> : 7. Federal Program Name/Description: Texas Community Development Block Grant CFDA Number, <i>if applicable</i> :		
8. Federal Action Number, if known:	9. Award Amount, if known:		
	\$		
10. a. Name and Address of Lobbying Registrant (<i>if individual, last name, first name, MI</i>):	b. Individuals Per different from N (last name, firs	lo. 10a)	(including address if
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Print Name:	IS Practice Leader	Date: 02/02/2023
Federal Use Only:			Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

PRINT

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

- 1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
- 2. Identify the status of the covered Federal action.
- 3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
- 4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
- 5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
- 6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizationallevel below agency name, if known. For example, Department of Transportation, United States Coast Guard.
- 7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
- 8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
- 9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
- 10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.
 - (b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
- 11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.



APPENDIX F RÉSUMÉS





JUSTIN L. THOMAS, PE

EDUCATION

B.S., Civil Engineering, Texas A&M University, 2001

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas (No. 98403), 2006

AREAS OF EXPERTISE

Mr. Thomas, PE, has over 20 years progressive experience in:

- Municipal and Land Development
- Paving and Grading
- Drainage and Storm Sewer Systems
- Water Systems
- Sanitary Sewer Systems
- Plat Preparation
- Computer Drafting Software: AutoCAD/Civil 3D, Terramodel
- Construction Administration
- Project Management and Client Relations
- Railroad Infrastructure
- Environmental Construction Oversight

REPRESENTATIVE EXPERIENCE

Mr. Thomas has over 20 years of progressive responsibility in municipal and private development infrastructure design including paving and grading design, storm sewer design and analysis, water design, sanitary sewer design, and plat preparation. Projects include:

Roadway Projects:

Town of Little Elm, Smotherman Road Connector – Little Elm, TX (Project Engineer: 2012)

Mr. Thomas served as a team member for this project consisting of constructing 1,400 lf of concrete roadway. Project included concrete pavement with curb and gutter, sidewalks, storm sewer ranging in size from 18" RCP to 36" RCP, 1,500 lf of 12" water main, 1,700 lf of 8" sanitary sewer main, and coordination with TxDOT. Mr. Thomas provided design for roadway, drainage, water mains, and sanitary sewer mains, and was responsible for the construction plans.

Town of Little Elm, Smotherman Road – Little Elm, TX (Project Engineer: 2011)

Mr. Thomas served as a team member for this project consisting of replacing 1,000 linear feet of asphalt pavement with concrete. Project included concrete pavement with curb and gutter, sidewalks, storm sewer ranging in size from 18" RCP to 36" RCP, and coordination with TxDOT. Mr. Thomas provided design for roadway and drainage, and was responsible the construction plans.

Town of Little Elm, Main Street Reconstruction – Little Elm, TX (Project Engineer: 2010)

Mr. Thomas served as a team member for this project which consisted of replacing 1,800 linear feet of asphalt pavement with concrete. Project included concrete pavement with curb and gutter, sidewalks, storm sewer ranging in size from 18" RCP to 45" RCP, water and sewer plans, 8" irrigation main, and landscaping improvements. Mr. Thomas provided design, contractor material submittal reviews, construction administration, periodic inspection of the construction progress, coordination with contractor, and coordination with TDLR and RAS for TAS compliance.



City of Sachse, Intersection Improvements for Fifth Street North of SH 78 – Sachse, TX (Project Manager: 2010)

Mr. Thomas served as a team member for this project consisting of replacing approximately 500 linear feet of concrete pavement and drainage improvements, traffic control, and traffic signal design. This project included coordination with TxDOT and KCS Railroad. Mr. Thomas was responsible for the construction plans and specifications for this project.

City of Frisco, Main Street, Phase III Storm Sewer – Frisco, TX (Project Engineer: 2003)

Mr. Thomas served as a team member for this project which consisted of approximately 4,300 linear feet of pavement, with comparable amount of storm sewer, ranging in size from 18 inch RCP to double 9 feet by 5 feet RCB. Scope of work included the design of 4,050 linear feet of 12 inch water reuse line to be used for irrigation purposes along Main Street, including the re-design of the irrigation system to be used in the grassy medians of Main Street.

City of Frisco, Eldorado Parkway - Frisco, TX (Project Engineer: 2004)

Mr. Thomas served as a team member for this project which consisted of 8,570 linear feet of roadway in Frisco, Texas including the design of all the storm sewer ranging in size from 18 inch RCP to a three 10 feet by 8 feet and one 10 feet by 9 feet multiple RCB. Project also included coordination with several engineering companies designing adjacent roadways and subdivisions to ensure all future storm sewer systems will be accounted for. Storm sewer was placed horizontally and vertically to prevent unnecessary storm sewer pipe. Also included was the design of a traffic control plan for the various construction phases of the project, to maintain traffic flow and ensure public safety.

Parks Projects:

Town of Little Elm, Beard Park Site Work Improvements – Little Elm, TX (Project Manager: 2014) Mr. Thomas served as project manager for this project which constructed of approximately 5 acres of concrete parking lot with curb and gutter, including storm sewer. Additionally, the project includes approximately 2,300 lf of 12" water main, 1,000 lf of 8" water reuse main, 550 lf of 8" sanitary sewer, and grading of site for future restaurant and pond. TRC was the prime consultant and responsible for the design of construction plans and specifications, construction administration, and coordination with the Registered Accessibility Agent (RAS) for compliance with the Texas Accessibility Standards (TAS). Additionally, TRC provided environmental and cultural resources services to coordinate and obtain permits from the United States Army Corps of Engineers (USACE), Texas Commission on Environmental Quality (TCEQ), and Texas Historical Commission (THC.)

Town of Little Elm, Cottonwood Trail Sidewalk Improvements – Little Elm, TX (Project Engineer: 2012)

Mr. Thomas served as a team member for this project which consisted of approximately 1,550 lf of concrete sidewalk along Cottonwood Creek. Mr. Thomas provided design for sidewalk, drainage, responsible for the construction plans, and coordination with TDLR and RAS for TAS compliance.

Water/Wastewater Projects:

City of Teague, 2019 CDBG Sewer Improvements (Lift Station and Sewer Main) – Teague, TX (Project Manager 2021)

Mr. Thomas served as the Project Manager for this TxCDBG funded project that included the demolition of the existing Jefferson Street lift station with a new fiberglass wetwell and valve vault, including relocation of pumps and control panel and security fencing. The project also included replacement of approximately 2,000 lf of 8" sanitary sewer main and manholes. TRC provided the



topographic survey, engineering design, construction bidding services, construction administration and grant documentation support.

City of Teague, Elm Street Sanitary Sewer Improvements – Teague, TX (Project Manager 2021)

Mr. Thomas served as the Project Manager for this project that included the replacement of approximately 900 LF of existing sanitary sewer with 8" sanitary sewer by pipe bursting. TRC provided the topographic survey, engineering design, bidding services and construction administration.

Town of Little Elm, West Side Water and Sewer Improvements – Little Elm, TX (Project Engineer: 2014)

Mr. Thomas served as a team member and provided the design for approximately 7,800 lf of 12" water main, 2,100 lf of 12" sanitary sewer main, 6,900 lf of 8" sanitary sewer main, and 1,800 lf of 8" irrigation main. Mr. Thomas was responsible for survey coordination and preparation of the construction plans, specifications, and construction administration.

Town of Little Elm, Woodlake Irrigation Improvements – Little Elm, TX (Project Engineer: 2014)

Mr. Thomas served as a team member and provided the design for approximately 4,000 lf of 8" irrigation main. Project consisted of connection to the Town's existing wastewater treatment plant to reuse effluent water for irrigation purposes along the Town's streets. Mr. Thomas was responsible for coordination with surveyor and irrigation subconsultant; and preparation of the construction plans, specifications, and construction administration.

Town of Little Elm, Riney Road Water Improvements – Little Elm, TX (Project Engineer: 2013)

Mr. Thomas served as a team member and provided the design for approximately 300 lf of asphalt roadway reconstruction to concrete pavement with curb and gutter, 320 lf of 18" RCP storm sewer, 2,600 lf of 8" water main, and 270 lf of 8" sanitary sewer main. Mr. Thomas was responsible for coordination with surveyor and preparation of the construction plans, specifications, and construction administration.

City of Lewisville, Purnell Street Sanitary Sewer Phase I and II – Lewisville, TX, (Project Manager: 2010-2013)

Mr. Thomas served as a team member for this project which included approximately 16,000 feet of sanitary sewer rehabilitation in downtown Lewisville, replacing existing sewer with new pipe due to limited capacity and age of existing pipe, with pipe size ranging from 8 inch to 18 inch. Mr. Thomas provided design, periodic inspection of the construction progress, and railroad coordination for utility crossing.

Town of Little Elm, Main Street Irrigation Well – Little Elm, TX (Project Engineer: 2010-2012)

Mr. Thomas served as a team member for design of a 1,235 ft deep, 4"x8" water well for irrigation purposes. The well was constructed in a residential neighborhood. Mr. Thomas provided design, construction administration, periodic inspection of the construction progress, and coordination with the North Texas Groundwater Conservation District for well registration.

Town of Little Elm, King's Crossing Lift Station Expansion – Little Elm, TX (Project Engineer: 2010-2012)

Mr. Thomas served as a team member for design of the expansion of existing King's Crossing Lift Station to include the addition of a wet well, valve vault, and replacement of the existing two pumps with three new pumps. Mr. Thomas provided coordination between the client and contractor, reviewed material submittals from contractor, processed requests for information from contractor, and provided periodic onsite inspection to report the construction progress to the client.

City of Wylie, Twin Lakes Sanitary Sewer – Wylie, TX (Project Engineer: 2011-2012)

Mr. Thomas served as a team member and provided the design for 4,000 lf of 48" sanitary sewer main.



Mr. Thomas was responsible for preparation of construction plans and specifications, assist the City with project bidding, and periodic inspection during construction.

Town of Little Elm, 2009 Water and Wastewater Improvements – Little Elm, TX (Project Engineer: 2010)

Mr. Thomas served as a team member for this project which consisted of 6,800 linear feet of gravity sewer (12" to 21" diameter), 4,000 linear feet of 12" force main, and 9,400 linear feet of potable water main (12" to 16" diameter). Mr. Thomas provided design, construction administration, periodic inspection of the construction.

Town of Little Elm, 1.0 MGD Wastewater Treatment Plant Expansion – Little Elm, TX (Project Engineer: 2010-2011)

Mr. Thomas served as a team member for this project which included new filters, clarifier, aerobic digester, lift station improvements, and odor control for entire plant; including a complete process manual for operating the plant. In addition, the plant's SCADA system was update and integrated.

City of McKinney, Airport Sewer Phase II – McKinney, TX (Project Engineer: 2010-2011)

Mr. Thomas served as a team member for this project which included 6,000 linear feet of gravity sanitary sewer main across the Collin County Regional Airport. Mr. Thomas provided design, reviewed material submittals from contractor, processed requests for information from contractor, and periodic site visits to review construction progress. Project included coordination with airport and North Texas Municipal Water District.

City of Hamilton, 2009 TDRA Water Project Contract 1 - Hamilton, TX, (Project Engineer: 2009)

Mr. Thomas served as a team member for this project which included approximately 3,400 feet of 6" water main design. Mr. Thomas provided the design for this project.

Land Development Projects:

Boot Ranch Development, TX 77 Boot Ranch Circle LLC – Fredericksburg, TX (Project Manager: 2008-Ongoing)

Mr. Thomas served as the engineer of record of multiple projects within the development which consists of a 2,000 acre master planned community. Project was designed per the City of Fredericksburg and Gillespie County design regulations. The project consisted of preliminary and final platting; paving, grading, drainage and erosion control plans; water and sanitary sewer design; environmental permitting; FEMA flood studies (LOMR); and construction administration. Individual phases include:

- **Overlook Cabins** (2011-2013) 17 acre residential subdivision with 23 lots including design of all pavement plans, erosion control, drainage plans, water and sanitary sewer plans, and platting. Mr. Thomas provided design for roadway, lot grading, drainage, water mains, and sanitary sewer mains, and was responsible the construction plans, specifications and construction administration.
- **Country Homes** (2008) 22 acre residential subdivision with 13 lots including design of all pavement plans, erosion control, drainage plans, water and sanitary sewer plans, and platting. Mr. Thomas provided design for roadway, drainage, water mains, and sanitary sewer mains; and was responsible the construction plans.
- Ranch Club (2012-2013) 4.5 acres community recreational center includes parking areas, swimming pools, pavilion, tennis courts, and restroom facilities. Mr. Thomas provided design for paving, horizontal control of building pads, site grading and drainage, water and sanitary sewer, and erosion control.
- Sanitary Sewer Improvements (2012-2013) Project consisted of extending existing sanitary sewer and water service to various lots. The project included approximately 1,600 lf of 8" sanitary sewer main and water services. Mr. Thomas provided design for the sanitary sewer, water, and erosion control plans; and was responsible for the construction plans, specifications and construction administration.
- Sunday House 4 (2013) 0.5 acre tract of land consisting of a cluster of 3 vacation cabins and



golf cart barn. Mr. Thomas provided the design for the driveway, site grading and drainage, water and sanitary sewer layout.

Phase 2 Preliminary Plat (2012, 2017) – 960 acres, 211 residential lots. Mr. Thomas prepared the preliminary plat for Gillespie County approval which included preliminary roadway, drainage. water and sanitary sewer design.

YES! Communities – Multiple Locations (Project Manager: 2016 - Ongoing)

Mr. Thomas served as the project manager for various manufactured housing community improvements

including:

- **Preston on the Lake. Little Elm. TX** (2017) Expansion of an existing residential community to add 117 home sites. Mr. Thomas provided design for roadway, drainage, water mains, and sanitary sewer mains, and was responsible the construction plans, specifications and construction administration.
- Redwood at the Lake, Wylie, TX (2017) Expansion of an existing residential community to add 95 home sites. Mr. Thomas provided design for roadway, drainage, water mains, and sanitary sewer mains, and was responsible the construction plans, specifications and construction administration.
- Arbor Springs, Dallas, TX (2017) Pavement reconstruction to improve drainage and reduce existing street flooding issues. Mr. Thomas provided design for roadway, drainage, and was responsible the construction plans, specifications and construction administration.

Castle Hills Development Company, Castle Hills Private Development – Lewisville, TX (Project Engineer: 2001 – 2009)

Mr. Thomas served as a team member for this project which consisted of a 2,700 acre planned, multiphase community located within the City Lewisville ETJ. Project was designed per the City of Lewisville design standards and consists of concrete pavement, storm sewer ranging in size from 18-inch reinforced concrete circular pipe (RCP) to 5 10-feet by 10-feet reinforced concrete boxes (RCB), detention and retention ponds, open drainage channels, and multiple FEMA flood studies (CLOMR and LOMR); sanitary sewer lines, force main, and lift stations; water lines and elevated water storage tank; paving, grading plans and erosion control; and preliminary and final platting. Individual project phases included:

- Village Center (2002) 15 acre commercial tract. Paving, grading, drainage channels, storm sewer, water main, sanitary sewer main, platting.
- King Arthur Boulevard (2003) 4.300 lf concrete pavement, Paving, storm sewer
- Windhaven Parkway (2003) 3,400 lf concrete pavement. Paving, storm sewer, water main, sanitary sewer, platting.
- Phase III Section B (2004) 75 acre, 181 residential lots. Paving, grading, storm sewer, water • main, sanitary sewer, and platting.
- Phase IV Section B (2004) 101 acre, 360 residential lots. Paving, grading, storm sewer, • FEMA CLOMR and LOMR, water main, sanitary sewer main, and platting.
- **Castle Hills Community Center** (2005) 10 acre, 22 townhouse residential lots. Paving, • grading, storm sewer, water main, sanitary sewer, and platting.
- Phase II Section E (2005) 57 acre, 99 residential lots. Paving, grading, storm sewer, retention • pond, water main, sanitary sewer, and platting.
- Phase III Section C 77 acre, 111 residential lots. Paving, storm sewer, water main, sanitary ٠ sewer, and platting.
- Phase IV Section B Lot 1 Block P (2006) 5 acre commercial tract. Grading, storm sewer, • water main, and platting.
- **Phase IV Section C** (2006) 63 acre, 278 residential lots. Paving, grading, storm sewer, • retention pond, water main, sanitary sewer, and platting.
- Phase V Section A (2008) 73 acre, 278 residential lots. Paving, grading, storm sewer, FEMA • CLOMR and LOMR, water main, sanitary sewer, and platting.
- Windhaven West (2009) 4,400 lf concrete pavement. Paving, storm sewer, water main, sanitary sewer, and platting.
- Phase VI Sections A. B. C. D (2009) 126 acre. 700 residential lots. Paving, grading, storm sewer, water main, sanitary sewer, and platting.



Frisco Square Development Company, Frisco Square Phase V – Frisco, TX (Project Engineer: 2003)

Mr. Thomas served as a team member for this project which consisted of 4.5 acre residential subdivision, located within Frisco Square including the design of storm sewer within this phase, ranging in size from 18 inch RCP to 30 inch RCP. Project had to account for the overall storm sewer system in Frisco Square, both existing and future, to ensure proper drainage criteria are and will be met.

Frisco Square Development Company, Heritage Center - Frisco, TX (Project Engineer: 2006)

Mr. Thomas served as a team member for this project which consisted of an 8 acre multi-use tract of land, located within Frisco Square including the design of storm sewer ranging in size from 18 inch RCP to 27 inch RCP. Also included was the design of all water lines and sanitary sewer lines on the project.

Vantex Enterprises, Vantex Parking Lot - Dallas, TX (Project Engineer: 2002)

Mr. Thomas served as a team member for this project which consisted of 22,000 square ft commercial parking lot located in the City of Dallas. Using the City of Dallas guidelines, designed all pavement plans, horizontal control plans, grading plans, and drainage plans.

Mueller Pipe Supply, Site Plan – Caddo Mills, TX (Project Engineer: 2003)

Mr. Thomas served as a team member for this project which consisted of a 7 acre commercial tract located in the City of Caddo Mills including the design of all pavement plans, horizontal control plans, grading plans, erosion control plans, and drainage plans.

Life Rebuilders, Inc., Shirley Lane – Ennis, TX (Project Engineer: 2003)

Mr. Thomas served as a team member for this project which consisted of consisted of 1,500 linear feet roadway within the Ennis Estates residential subdivision. Project included the design of storm sewer ranging in size from 18 inch RCP to 7 feet by 4 feet RCB.

American Diversified Properties, Inc., Pleasant Ridge – Mesquite, TX (Project Engineer: 2003)

Mr. Thomas served as a team member for this project which consisted of a 5.5 acre residential subdivision with 40 lots. Scope included the design of storm sewer ranging in size from 18 inch RCP to 4 feet by 2 feet RCB.

January Lane, L.P., January Lane Townhomes - Grand Prairie, TX (Project Engineer: 2004)

Mr. Thomas served as a team member for this project which consisted of a 7.6 acre residential subdivision with 86 lots. Scope of work included the design of pavement plans, grading plans, water plans, sanitary sewer plans, drainage plans, and platting.

West Kessler Development, West Kessler Development - Dallas, TX, (Project Engineer: 2005)

Mr. Thomas served as a team member for this project which consisted of a 6 acre residential subdivision with 18 lots including design of storm sewer ranging in size from 18 inch RCP to 21 inch RCP.

American Diversified Properties, Inc., January Lane Alternate Drainage Improvements – Grand Prairie, TX (Project Manager: 2009)

Mr. Thomas served as project manager for this project which provided alternate drainage plans for January Lane Improvements at SH 161 with storm sewer ranging in size from 24" RCP to 8'x5' RCB. Mr. Thomas provided design for roadway, drainage, and was responsible the construction plans.

Environmental Projects:

Texas Department of Transportation, State Highway 34, Terrell, Texas (Environmental Specialist: 2011 to 2012)

Mr. Thomas was responsible for environmental oversight during construction as it related to the Soil and



Groundwater Management Plan (SGMP) prepared by TRC Environmental Corporation (TRC). State Highway 34 construction occurred in the former location of the Van der Horst USA Corporation plating facility, which is included in the US EPA's Superfund Program and on the National Priorities List. Daily responsibilities included field oversight of contractor during all excavation activity for adherence to the SGMP, documenting the onsite management and disposition of all soil and groundwater excavated during project, daily communication with contractor and client on site to ensure SGMP guidelines are being followed, assisted contractor with SGMP guidelines to avoid construction delays, and providing daily and weekly reports to client.

Railroad Projects:

Union Pacific Railroad, Ray Yard Fuel Storage and Containment Improvements, Denison, Texas (Project Engineer: 2011 to 2012)

Mr. Thomas was responsible for overseeing the construction of two new 15,000 barrel diesel fuel tanks, containment dike, fuel truck loading and unloading skids, and decommissioning of existing diesel fuel tank farm. Mr. Thomas provided coordination between the client and contractor, reviewed material submittals from contractor, processed requests for information from contractor, and provided periodic onsite inspection to report the construction progress to the client.

Union Pacific Railroad, Ray Yard Water Line Extension, Denison, Texas (Project Engineer: 2012)

Mr. Thomas served as a team member for design for 805 If of 8" water main and 460 If of 6" water main, and a fire foam tank to provide fire service lines into Ray Yard fuel containment area. Mr. Thomas provided water main design, coordination between the client and contractor, periodic onsite inspection to report construction progress to client. This project involved coordination between Union Pacific Railroad and the City of Denison, TX.

Miscellaneous Municipal Proiects:

Town of Little Elm, Development Plan Review – Little Elm, TX (Project Manager: 2017)

Mr. Thomas provided support to the Town by reviewing engineering plans for subdivisions for conformance to the Town's standards.

Town of Little Elm, Water and Sewer CCN Amendment and STM Applications – Little Elm, TX (Project Manager: 2016)

Mr. Thomas served as project manager to assist the Town in amending their water and sewer Certificates of Convenience and Necessity (CCNs) to include additional service areas. Mr. Thomas was responsible for the preparing the application and coordinating with the Texas Public Utility Commission for approval.

Town of Little Elm, Hilltown Preliminary Engineering Report – Little Elm, TX (Project Engineer: 2012)

Mr. Thomas served as a team member and was responsible for drafting the preliminary engineering report to provide the Town with cost estimates associated with improving the 270 acre Hilltown residential subdivision to current Town's infrastructure standards. Report included estimating the quantities of nine miles of concrete curb and gutter, drainage facilities, nine miles of water main, eight miles of sanitary sewer main, and six sanitary sewer lift stations needed to replace the existing asphalt roadways, water mains, and septic tanks. Report included recommended phasing of improvements to assist Town with future funding. Mr. Thomas was responsible for the research, infrastructure preliminary layout, cost estimating, and drafting report.



SPECIALIZED TRAINING

- OSHA 40 Hour HAZWOPER Certification
- E-railsafe Certification

PROFESSIONAL AFFILIATIONS

• American Society of Civil Engineers (ASCE)



TIM WALLACE, P.E.

EDUCATION

B.S., Civil Engineering, University of Texas in Arlington, 2001

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas (No. 113369), 2012

AREAS OF EXPERTISE

Mr. Wallace, PE, has over 15 years of progressive experience in:

- Municipal and Land Development
- Paving and Grading
- Drainage, Storm Sewer Systems and Detention Ponds
- Erosion Control and Bank Stabilization
- Water Distribution and Sanitary Sewer Systems
- Plat Preparation
- Construction Administration
- Project Management and Client Relations

REPRESENTATIVE EXPERIENCE

Mr. Wallace has over 15 years of progressive responsibility in municipal and private development infrastructure design including paving and grading design, storm sewer design and analysis, water design, sanitary sewer design, and plat preparation. Mr. Wallace is intimately familiar with various city, county, and state regulations including ADA/TAS accessibility standards, AASHTO, FEMA, FHWA, TxDOT, and TCEQ. Mr. Wallace has been the project manager and/or engineer of record on the following representative projects:

Water and Wastewater Projects

 12-Inch Water Main for the Johnson County Special Utility District – Alvarado, TX Design included 3,000 LF of 12-inch water main and connection to the existing main.

Roadway Projects:

- City of Arlington Residential Rebuild Arlington, TX Replace 3,500 LF of asphalt residential street with concrete including water, sanitary sewer, and storm sewer.
- City of Plano Residential Rebuild Plano, TX

Replace 4,800 LF of asphalt residential street with concrete including water, sanitary sewer, and storm sewer.

Alexis Court Roadway Extension – Mansfield, TX

Extension of Alexis Court with 770 LF of concrete residential street including water, sanitary sewer, and storm sewer along with an additional 500 of new residential streets as well as water, sanitary sewer, and storm sewer.

- Additional Projects: These are projects that Mr. Wallace has served as a critical member of the design team.
 - Abram Street Arlington, Tx
 - Curry Road Arlington, Tx
 - Harris Road Arlington, Tx
 - o Broad Street Mansfield, Tx
 - Day Miar Road Mansfield, Tx
 - o Golden Triangle Boulevard Fort Worth, Tx



Land Development:

- New City of Fort Worth Patrol Station and Impound Lot Feasibility Study Fort Worth, TX
 Feasibility Study for an approximate 60-acrce site in Fort Worth for multiple phases within the site.
 Infrastructure, building sizes, outdoor storage, security, accessibility, and detention were considered and
 documented in the Feasibility Study.
- **Manufactured Housing Developments** Engineering design for the expansion of existing communities including roadways, underground storm sewer, detention ponds, site grading, water mains, sanitary sewer lines and construction administration.
 - Legacy Housing Subidvision Venus, TX (80 home sites)
 - Pleasant Point Alvarado, TX (320 home sites)



DAMON SAMS, PE

EDUCATION

B.S., Civil Engineering, Texas A&M University, 2001

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Professional Engineer, Texas, (#98344), 2006 Professional Engineer, Virginia, (#55523), 2015

AREAS OF EXPERTISE

Mr. Damon Sams, PE has program management and technical experience in the following general areas:

- Wastewater Collection System Design
- Wastewater Treatment System Design
- Water Distribution System Design
- Water Treatment System Design
- Paving and Drainage System Design
- Discharge Permitting

REPRESENTATIVE EXPERIENCE

Mr. Sams has over 20 years of experience and progressive responsibility in environmental and civil engineering consulting. His qualifications skills include design, review, construction document preparation, cost estimating, and evaluation of a variety of water, wastewater, and drainage projects. He also has experience with construction management for wastewater treatment and collection facilities. The clientele served consists of numerous municipalities including the Cities of Teague, Elgin, New Braunfels, and Little Elm as well as private agencies such as the Canadian National Railway, BNSF Railway, and Dominion Energy. He currently serves as a Design Engineer designing, managing construction, and evaluating various water, wastewater, and drainage projects.

City of Teague, 2019 CDBG Sewer Improvements (Lift Station and Sewer Main) – Teague, TX

Mr. Sams served as the Design Engineer for this TxCDBG funded project that included the demolition of the existing Jefferson Street lift station with a new fiberglass wetwell and valve vault, including relocation of pumps and control panel and security fencing. The project also included replacement of approximately 2,000 lf of 8" sanitary sewer main and manholes. TRC provided the topographic survey, engineering design, construction bidding services, construction administration and grant documentation support.



City of Teague, Elm Street Sanitary Sewer Improvements – Teague, TX

Mr. Sams served as the Design Engineer for this project that included the replacement of approximately 900 LF of existing sanitary sewer with 8" sanitary sewer by pipe bursting. TRC provided the topographic survey, engineering design, bidding services and construction administration.

Wastewater Treatment Plant Expansion - Little Elm, Texas

Project included design of a 1.0 MGD wastewater treatment plant expansion, including new aeration basin, clarifier, aerobic digester, blower upgrades, chemical feed system replacement, belt filter press rehabilitation, reuse water pump station and storage tank, UV disinfection system improvements, pump replacement, and odor control system. Included coordination with all electrical, structural and geotechnical subcontractors.

Clover Power Station - Dominion Energy

Design of a 1.2 MGD wastewater pump station, including pumps and control system, concrete structure, influent channels with stop gates, overflow weir gates, flow split box, and associated piping and valving.

BNSF Cherokee Yard Industrial Wastewater Upgrades – Tulsa, Oklahoma

Project included evaluation and design of an industrial wastewater treatment facility, consisting of grit removal, oil/water separation, lift station pump design, surge tank design, metering manhole and associated piping and valving.

Sam McKenzie Water Reclamation Facility - New Braunfels, Texas

Design of a new 2.5 MGD wastewater treatment plant including mechanical screens, raw sewage lift station, aerated grit basin, aeration basins with biological phosphorus removal, final clarifiers, tertiary filters, aerobic digesters with membrane thickeners, belt filter press, blower building, administration building, chemical feed building, and SCADA system for plant controls. Coordinated with all subcontractors including surveying, electrical, structural and geotechnical. Prepared a preliminary engineering report and design memorandum.

Wastewater Treatment Plant Expansion - Rockdale, Texas

1.5 MGD wastewater treatment plant expansion, including design of the aeration system for the proposed sequencing batch reactor, post-equalization basin and aerobic digesters. The existing treatment facility was converted into a sludge treatment unit.

Sabine Creek Wastewater Treatment Plant - Royse City, Texas



Design of a new 1.5 MGD wastewater treatment plant including raw sewage lift station, screening structure, aeration basins, tertiary clarifiers, chlorine contact basins, sludge holding basin, sludge thickener, belt filter press, laboratory/office building, and SCADA system for plant controls.

Wastewater Treatment Plant Improvements - Elgin, Texas

Consisted of adding a mechanical bar screen to replace the existing manual screen at the wastewater treatment plant. Also included a washer/compactor and discharge piping.

Water Treatment Plant Expansion – Olmito, Texas

1.0 MGD rehabilitation and expansion of the existing water treatment plant, including expansion of the raw water forebay and new raw water pump station. Also included rehabilitation of existing treatment unit equipment and the addition of a new unit, consisting of flash mixer, flocculators, settling tubes and mixed media deep bed filters.

Water Treatment Plant Expansion - West Tawakoni, Texas

1.5 MGD water treatment plant rehabilitation and expansion, including removal of the existing package clarifier/gravity filter unit and the addition of two new solids upflow clarifiers and gravity filter units. The raw water intake structure and pumps were replaced and a new sludge holding basin was added.

Water Treatment Plant Expansion – Canyon Lake, Texas

Expansion of the Triple Peak WTP, consisting of adding a 1.0 MGD treatment unit and clearwell, new chemical feed building, and expansion of the sludge lagoon. Also included the design of paving, grading, and retaining walls on the site.

Water Treatment Plant Expansion – Canyon Lake, Texas

The project consisted of the expansion of the Park Shores WTP by adding two 2.0 MGD treatment units and solids upflow clarifiers to the site and expanding the sludge holding lagoon.

Water Distribution System Expansion – Frisco, Texas

Team member for design of two 10.0 MG partially buried ground storage tanks and a high service pump station. Project included layout of the site with paving, drainage, overflow protection and yard piping layout.

Water/Wastewater Distribution and Collection Systems – Multiple Clients

Team member and project engineer in developing the PS&E packages for various water and sanitary sewer systems; projects include more than 50,000 LF of 6"- 48" sanitary sewer mains, 22,000 LF of 4"-36" water mains, four high service water pump stations, and six sanitary sewer lift stations in multiple locations including Frisco, Lucas, Sachse, West Tawakoni, Olmito, Pantego, Hutchins, Ennis, Groesbeck, Ponder, Royse City and Fate, Texas.



TCEQ Discharge Permits – Multiple Clients

Experience includes application preparation for new permits, permit renewals, and major amendments to existing permits.

SPECIALIZED TRAINING

• Railroad Contractor Safety Training (e-Railsafe)

PROFESSIONAL AFFILIATIONS

• American Society of Civil Engineers



DAGMAWI GEREMEW, P.E.

EDUCATION

B.S., Civil Engineering, University of Texas at Arlington, 2013

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Professional Engineer, Texas (#132546) 2018

AREAS OF EXPERTISE

Mr. Dagmawi Geremew, P.E. has technical experience in the following general areas:

- Storm Sewer Design
- Sanitary Sewer Design
- Water Distribution Systems
- Road and Trail Design
- Preparation of Construction Plans and Specification.
- Construction Management
- Solar Panel Site Design

REPRESENTATIVE EXPERIENCE

Mr. Geremew has over 7 years of experience and progressive responsibility in civil engineering, consulting, and construction management. Mr. Geremew background includes experience assisting various private and public-sector clientele in various development projects. This includes single family development, waster and wastewater design, public park design, roadway and grading sites, and solar panel site design.

The Meadows at Jacobs Reserve Section 5, D.R. Horton, Montgomery Texas (Project Role: 2013-2014)

The Meadows Section 5 is a single-family development housed in the much larger Jacobs Reserve Development located just outside of Conroe, Texas. Mr. Geremew designed the grading, sanitary sewer, water and storm systems that would service the 75 lots housed in this development. The sort of design included calculating the drainage from the site and sizing the storm pipes based on flow capacity and hydraulic grade line.

Rivendale by the Lake Phases 2-4, D.R. Horton, Hackberry ETJ, Denton County, Texas (Project Role: 2014-2015)

Rivendale is a multiple phase single family development project located in the extended territorial jurisdiction of Hackberry, Texas. The project itself contained 7 phases of 110+ lots each. Mr. Geremew was assisted with the design, plan preparation and construction management of phases 2, 3, & 4 while assisting in the design for phase 5. These projects included storm-water, sanitary, water design, and construction management along with roadway and grading.

Phase 1 Lot Services, Boot Ranch, Fredericksburg, TX (Project Role:2015-2016)

In this project, the developer decided to subdivide several existing lots into smaller lots to aid in



sales in an already completed phase. This meant new water and sanitary services had to be installed for these new lots. Mr. Geremew was tasked with finding the most cost-effective way to serve these lots. Mr. Geremew went through as-built plans to locate the utility mains then place to services according to City of Fredericksburg's and TCEQ guidelines. Mr. Geremew also estimated the projected costs, wrote the spec-book, then reviewed bids and submittals for the project, in addition to preparing and QA/QCing the construction plans. At the end of the project Mr. Geremew performed a final walk through to ensure these services were installed per plans.

Boot Ranch, Lower Residential Phase 1-3, Fredericksburg TX (Project Role:2016-2017)

Lower Residential Phase 1 Is a 32.50-acre development housed inside the much larger 2000+ acre development of Boot Ranch, located just outside of Fredericksburg TX. This project contained water and sanitary utility design, paving design as well as drainage design. It also incorporated what is the largest putting green in Texas. Mr. Geremew was fortunate enough to design the grading for this site. This project presented some unique challenges with really varied soil conditions primarily from previous grading that had been done on the site many years ago. These included dry ponds and small dams used to control storm flow. This meant there would need to be a lot of soil that needed to be moved throughout the site, and an overall shortage of soil for this project. There was a pond adjacent to this project that needed to be dredged to offer a better fish ecosystem as well as a more aesthetic appearance. This dredged soil allowed the project to balance out the dirt requirement. While phase 1 of this project has been completed, Mr. Geremew designed through phase 3. As this project progresses Mr. Geremew be instrumental in the construction management.

Transcona Rail Yard Industrial Wastewater Upgrades, Canadian National Railway (October 2018-December 2018)

Mr. Geremew acted as an on-site construction supervisor ensuring construction proceeded according to plan, assisted in troubleshooting any problems that arose as well as helped coordinate construction activities with Canadian National. After the completion of the construction Mr. Geremew operated the wastewater treatment plant in order to fine tune and troubleshoot any additional issues that arose with the upgraded components.

Phase 2.1-2.3, Boot Ranch, Fredericksburg, TX (Project Role:2018-2020)

Sections 2.1-2.3 is over 150acre expansion of Boot Ranch that housed luxury single family residence. This expansion over 15,000lf of pavement as well as water, sanitary and storm sewer lines. Phase 2.3 also required a sanitary sewer lift station that was to be designed for the handle the remainder of the boot ranch development according to TCEQ requirements. Mr. Geremew helped design Phase 2.1 and was the primarily design engineer for Phase 2.2 and 2.3. As well as performed the construction management duties since as spec book preparation, conducted the bid, reviewed bids, submittals, and pay applications.

Yuma & Myoma Yard Irrigation Project, UPPR (Project Role:2019-Ongoing)

Yuma & Myoma yards are two separate irrigation compounds owned by UPRR located just outside of Palm Springs, CA. The project included the rehabilitation of the irrigation yards as well as the replacement of the approximately 20miles of irrigation line associated to the yards. Mr. Geremew was the lead engineer in the preparation of the civil plans as well as performed the construction management duties for the project.



CESAR MORAN, P.E.

EDUCATION

B.S., Chemical Engineering, Universidad Rafael Urdaneta, 2006 M.S., Environmental Engineering, Texas A&M University-Kingsville, 2012

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas (No. 136417), 2019

AREAS OF EXPERTISE

Mr. Moran, PE, has over 6 years of progressive experience in:

- Municipal Engineering
- Water Supply/Distribution and Sanitary Sewer Systems
- Odor and corrosion control
- Pipeline condition assessment
- Water and Wastewater Treatment Facilities Design and Operation
- Construction Administration and Inspection
- Project Management and Client Relations
- Irrigation mains design and permitting
- TPDES permitting

REPRESENTATIVE EXPERIENCE

Mr. Moran has over 7 years of experience and progressive responsibility in civil and environmental engineering project management. His qualifications include planning, field investigation, design, cost estimating, and permitting. Mr. Moran's background includes field inspections, estimating, construction management and design in municipal, private residential and commercial development and Industrial Wastewater and Stormwater improvements for rail yards. Mr. Moran's experience in infrastructure design includes water and wastewater supply and treatment facilities, water mains and sanitary sewer design, pipeline condition assessment and irrigation mains design and permitting. He currently serves in the capacity of Project Manager for the Design Management Services Division. Mr. Moran has been the project manager, project engineer and/or engineer of record on the following representative projects:

Water Supply and Wastewater Projects

Choke Canyon Reservoir – Calliham, TX

Provided construction oversight on behalf of the City of Corpus Christi for various repairs and improvements identified by City and Bureau of Reclamation including, but not limited to crane repairs, soil erosion control, electrical system repairs, spillway operator motor brake repair, emergency spillway and low flow outlet controls, instrumentation repairs life safety improvements and other miscellaneous improvements required to maintain the 40-year-old structure and to comply with federal statutes.

Wesley E Seale Dam – Mathis, TX

Provided construction oversight on behalf of the City of Corpus Christi for this project which provides a new dewatering system at Wesley Seale Dam, it will protect the integrity of Wesley Seale Dam system (1957), to provide for proper inspection and maintenance of crest gates and seals pursuant to regulatory reports per TCEQ. Project will also provide for necessary improvements to the gates including seal replacement, miscellaneous structural repairs, full gate reconstruction and application of a protective coating system for new gates. The gate reconstruction will be completed in 6 phases.

• Nelson Lake Estates – Rockwall, TX In charge of preliminary design and permitting for a lift station intended to serve a 260-lot development. Prepared calculations and preliminary plans for submission to the City of Rockwall for review.

Greenawalt Estates – Seagoville, TX Provided client assistance with TCEQ regulations for lift station location and 2,000 LF of force main routing within and outside of a new 219 lot development. In charge of calculations and preliminary plans for submission to the City of Seagoville for review.



- Denton Creek Regional Wastewater System Odor Control Improvements, Phase 3 Roanoke, TX In charge of preliminary design for an odor control system to treat foul air emitted from Aeration Basin Inlet Channels and Splitter Box. Prepared calculations and preliminary plans for submission to the prime consultant and Trinity River Authority for review.
- Post Oak Wastewater Treatment Plant Aeration Basin and Fine Screens Improvements Sherman, TX

In charge of design, construction administration and client/subconsultant management for this project that intends to provide improvements such as replacement and actuation of hydraulic gates and telescoping valves on the aeration basins and bioclarifiers, replacement of a screw pump and Parshall flume at the RAS lift station and a new electrical building.

- Rowlett Creek Wastewater Treatment Plant Primary Effluent Lift Station Improvements Garland, TX In charge of preliminary design and calculations to downsize a 30" gate valve to decrease the time and effort it takes plant personnel to throttle flow to the equalization basin
- Bell Gin Wastewater Treatment Plant Permitting
 Georgetown, TX
 In charge of engineering calculations addendum to permit a plant for a new development in Georgetown, TX
- Public Water System Permitting (30 TAC 290, Subchapter D) on new developments, Sam Rayburn Estates Phase I– Brookeland, TX In charge of evaluation of current state, calculations and preliminary design for compliance of an 80 gpm potable water system intended to serve 80 lots in Brookeland, TX.

Irrigation Projects

- Villages of Hurricane Creek, Phase I– Anna, TX In charge of design, calculations, permitting and coordination of an alternative water system to be installed in Anna, TX to supply irrigation water for common areas. This system entailed 2,000 LF of HDPE DR-11 pipe, a 150-gpm groundwater well and a 1,600-gpm pump station, oversized for future phases.
- Polo Ridge, Phase I Mesquite, TX
 In charge of design, calculations, permitting and coordination of an alternative water system to be installed in Mesquite, TX to supply irrigation water for common areas. This system entailed 1,500 LF of HDPE DR-11 pipe, a 150-gpm groundwater well and a 1,200-gpm pump station, oversized for future phases.
- Polo Ridge, Phase I Mesquite, TX
 In charge of design, calculations, permitting and coordination of an alternative water system to be installed in Mesquite, TX to supply irrigation water for common areas. This system entailed 1,500 LF of HDPE DR-11 pipe, a 150-gpm groundwater well and a 1,200-gpm pump station, oversized for future phases.

Pipeline Condition Assessment Projects

Draper WTP 72" Transmission Main Inspection – Norman, OK

In charge of planning, coordination, client management, scheduling and budgeting for a 7.5-mile pipeline inspection using electromagnetic and visual and sounding tools to assess the condition of the above mentioned pre-stressed concrete cylinder pipeline. Pipe verification was also conducted under the same project to analyze unburied pipes and confirm their stress level for replacement.

• Comanche Peak 48" Cooling Transmission Main Inspection – Glen Rose, TX In charge of planning, coordination, client management, scheduling and budgeting for an 8-mile pipeline inspection using leak detection tool SmartBall® to locate suspected leaks on the pipeline.

SPECIALIZED TRAINING (Current)

- eRailSafe Certification (BNSF, CSX, CP, UP, CN)
- BNSF Contractor Orientation Course
- CSX Roadway Worker Protection