Request for Qualifications for Engineering Services for Groundwater

Collier Statement of Qualifications

RFQ#: 2023-009

Response Submission Deadline: Feb. 22, 2023, by 2 p.m.

Collier Consulting
590 E. South Loop
Stephenville, TX. 76401
(254) 968-8741
collierconsulting.com
F-8170

COLLIER CONSULTING

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February 22, 2023

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F-8170

Mr. Juan Guerrero
Contract Administrator
1110 Washington St.
Suite 101
Laredo, TX. 78040

Dear Mr. Guerrero,

Collier Consulting (Collier) appreciates the opportunity to submit this Statement of Qualifications (SOQ) to Webb County. This SOQ is in response to your Request for Qualifications (RFQ) titled, "Request for Qualifications for Engineering Services for Groundwater (Study for the Webb County Casa Blanca Golf Course)".

Collier has over 25 years of experience in the Texas engineering and groundwater industry. With regard to the expertise requested for this project, our qualifications are unequaled, and our record is proven. Since 1998, we have performed groundwater resource studies and completed projects involving groundwater availability, water well design and construction, and water resources engineering in Texas and other states in the southern United States.

We believe our staff meets and exceeds Webb County's required needs including:

- **Assessment & Development** – Collier staff have extensive hands-on experience in locating and developing reliable groundwater sources and in assisting our clients in navigating the often-complex requirements of permitting agencies. We provide detailed knowledge of local conditions and regulatory requirements related to all aspects of groundwater supply development. The studies provide critical information to current and future water availability for fresh and brackish groundwater. Our typical groundwater studies include interpretation of borehole geophysical logs, aquifer modeling, water quality analyses, pumping tests, well production data, and published literature;
- **Groundwater Modeling** – Collier routinely develops computer models of potential groundwater flow systems which are used to simulate and predict an aquifer's response to various pumping scenarios and predict groundwater availability. The groundwater models are incorporated into our local and regional hydrogeologic studies conducted for the client;
- **Water Resource Engineering** – Water is at the heart of what we do at Collier – from water supply and storage to treatment and conveyance – we design and engineer water and wastewater systems of all sizes. Our portfolio includes water supply development for undeveloped parcels, residential subdivisions, commercial developments, and large-scale industrial and public water supply (PWS) projects. Collier has engineered and provided water resource assessments for over 800 water supply systems. We excel at innovative water supply approaches such as aquifer storage and recovery, brackish water, and water reuse. We clarify the client's requirements, evaluate

alternatives, coordinate and consult with regulatory authorities, formulate conceptual designs, prepare probable construction estimations, and provide construction management;

- **Design Services** – Collier's water supply/wastewater projects typically include, but are not limited to, water wells, ground/elevated storage tanks, treatment systems, and pump houses. Our hydrogeologists and engineers work in concert to find and maximize recovery of available groundwater. We engineer every well site and treatment system to the geology of the borehole and our well design and specifications are backed by a full complement of professional hydrogeologists and engineers. We are particularly committed to on-site monitoring of any engineering project, specifically water wells, to ensure groundwater production is maximized;
- **Planning & Permitting –** Collier has extensive experience with the Regional Water Planning process and routinely provides technical assistance on future water planning decisions. We also have an excellent working relationship with Texas Commission on Environmental Quality (TCEQ) staff and routinely prepare plans and specifications for new public water supply wells and submit them to TCEQ for approval. We also routinely assist communities in developing bid packages, soliciting bids, and evaluating the bids for well construction;
- **Other Services** – Collier also provides strategic planning as well as groundwater conservation and management tools. We also own and operate downhole video and borehole geophysical logging equipment.

This SOQ is valid for 90 days from the date of the deadline (February 22, 2023). We appreciate the opportunity to submit this SOQ. Additional information about Collier's qualifications is available if more details are needed. We look forward to the opportunity to provide support to Webb County for its water resource engineering needs.

Sincerely,

COLLIER CONSULTING, INC.

Aaron Collier, P.G.

Vice President

Executive Summary

Collier meets or exceeds the requirements requested for a groundwater study at the Webb County Casa Blanca Golf Course. Our professional services include:

Hydrogeological Assessments:

Aquifer modeling, regional groundwater studies, and regulatory permitting are just a few ways Collier assists water supply systems. We have conducted hundreds of local and regional hydrogeological studies and groundwater studies. These studies provide critical information to current and future water availability for fresh and brackish water.

Water Supply:

Our portfolio includes water supply development for undeveloped parcels, small residential subdivisions, commercial developments, and large-scale public water supply projects.

Water Resources Engineering:

Collier has engineered and provided water resource assessments for over 800 water supply systems. These systems support public consumption, industrial use, and agricultural supply ranging from small individual wells to large municipal and industrial systems.

Water Treatment:

We have designed and implemented treatment systems for a wide variety of contaminants. Collier routinely engineers systems to safely treat brackish water, wastewater, and man-made and natural contaminants.

Well Site Services:

Collier performs multiple tasks to ensure quality control throughout a groundwater project. These tasks include hydrogeologic assessments, drilling and construction monitoring, geophysical logging, down-hole video, production testing, and water quality testing.

Alternative Strategies:

Collier is at the forefront of innovative water supply approaches, such as aquifer storage and recovery, brackish water, and water reuse. These approaches are helping communities and industries meet ever growing demands, and secure water for future needs.

Wastewater Engineering:

Our staff designs solutions for all types of wastewater treatment, collection, and alternative discharge for systems of any size or application.

Injection Wells:

We offer regulatory permitting and compliance for all classes of injection wells. Our staff helps organizations navigate the regulatory hurdles for projects such as waste disposal, carbon sequestration, and compressed air energy storage.

Contents

Engineering Experience with Hydrogeology & Groundwater Studies

Collier Consulting, Inc. (Collier) is a woman-owned geoscience and engineering consulting firm specializing in water resources engineering and studies. We are one of the world's leading professional services firms providing technical expertise and strategic advice to clients in the water and wastewater sectors. Our experts include engineers, geologists, hydrogeologists, advisors, technicians, environmental specialists, as well as other design, project, and construction management professionals. Our company strength is the integration of water supply and wastewater engineering services with hydrogeology (groundwater modeling, subsurface mapping, aquifer testing, construction management, and surface/borehole geophysics). Additional core competencies include compliance monitoring, asset management, environmental engineering, and environmental planning. Collier is registered with the Texas Board of Professional Engineers (F-8170).

Our company headquarters is in Stephenville, Texas, with offices in Austin and Houston. We have additional offices in Colorado, Georgia, Massachusetts, North Carolina, Tennessee, and Wisconsin. The company was incorporated in 1998 and has enjoyed sustained growth throughout its history. Collier is a State of Texas HUB as well as a North-Central and South-Central Woman-Owned Business Enterprise (WBE).

SERVICES INCLUDE

- Aquifer Studies
- Aquifer Storage & Recovery Assessment
- Borehole Logging & Video
- Drone-Enabled Geophysics
- Geologic Assessments
- Groundwater Modeling
- Hydrogeologic Studies
- Investigating Groundwater Contamination
- Litigation Support
- Long-Term Monitoring of Water Resources & Infrastructure
- Regulatory Permitting
- Water Supply & Treatment
- Water Storage & Conveyance
- Wastewater Systems
- Water Well Design

Collier provides water resources engineering and hydrogeologic services on projects ranging in size from those for private landowners, small residential developments, and small cities to large water users such as municipalities, irrigated agriculture, universities, and large industrial users. Previous clients also include engineering firms, attorneys, groundwater conservation districts, river authorities, city, county, State, and Federal agencies. Collier has designed over 800 water supply/wastewater projects that include but are not limited to water wells, groundwater/elevated storage tanks, treatment systems, and pump houses.

Collier has 25 years of experience developing groundwater resources in Texas. Projects include work in all the major aquifers in Texas and many of the minor aquifers. Our company has designed over 800 water supply/wastewater projects that include, but are not limited to water wells, ground/elevated storage tanks, treatment systems, and pump houses.

Projects Have Included:

- Engineering, permitting, and construction management of public water supply wells;
- Engineering, permitting, and construction management of PWS surface equipment and facilities;
- Engineering, permitting, and construction management of water treatment systems;
- Local and regional hydrogeological studies of fresh and brackish groundwater resources;
- Analysis of thousands of borehole geophysical video logging of wells;
- Design and supervision of test holes and monitoring wells;
- Designing, performing, and analyzing single and multi-well pumping tests;
- Long-term monitoring of water resources and infrastructure;
- Preparing and submitting a wide variety of permits to various regulatory authorities;
- Investigating groundwater contamination;
- Groundwater modeling; and
- Aquifer Storage and Recovery (ASR) assessment.

Collier has conducted numerous local and regional studies. These studies have utilized thousands of borehole geophysical logs, drillers' logs, water analyses, well construction diagrams, pumping tests, published literature, and production data. In the majority of the studies conducted, Collier routinely supplemented water well data with selected older petroleum logs that included the aquifers being studied. These studies included extensive utilization of GIS, CAD, mapping software, log analysis software, modeling software, and specialized databases.

Name & Address of Submitting Business Entity

Collier Consulting
P.O. Box 1137 | 590 E South Loop Stephenville, TX. 76401
Collier Consulting is an S Corporation.

Name & Location of Assisting Major Offices

Collier Consulting
1205 Sam Bass Rd. Bldg. B Ste. 300 Round Rock, TX. 78681

Contacts

- Principal contact person: Brad Cross, P.G.
    - 1205 Sam Bass Rd. Bldg. B Ste. 300 Round Rock, TX. 78681
    - Phone No. (512) 851-8740
    - Fax No. (254) 968-8725
    - bcross@collierconsulting.com
- Name and contacts of all project personnel:
    - **Aaron Collier, P.G.**
        - 590 E South Loop Stephenville, TX. 76401
    - **Nathan Collier, P.E.**
        - 590 E South Loop Stephenville, TX. 76401

- **Gretchen Miller, Ph.D., P.E., P.G.**
  - 1205 Sam Bass Rd. Bldg. B Ste. 300 Round Rock, TX. 78681
- **Matt Van Hattem, EIT**
  - 590 E South Loop Stephenville, TX. 76401
- **Alyson McDonald, Ph.D., P.G.**
  - 590 E South Loop Stephenville, TX. 76401
- **Peter Schulmeyer, P.G.**
  - 590 E South Loop Stephenville, TX. 76401
- **Peter George, Ph.D., P.G.**
  - 1205 Sam Bass Rd. Bldg. B Ste. 300 Round Rock, TX. 78681
- **Hunter King, P.E.**
  - 1205 Sam Bass Rd., Bldg. B Ste. 300 Round Rock, TX 78681

Financial Statement

Collier Consulting, Inc. is a nation-wide multi-million-dollar company with excellent credit and financial ratings. Our banker is Chad Gilley, InterBank, 150 N Harbin, Stephenville, TX 76401, (254) 968-4125

Personnel Qualifications

The success of Collier can be attributed largely to the academic and professional qualifications of our staff. This concentration of technical talents is the foundation of our ability to provide a wide range of high-quality consulting services. Many of Collier's staff have decades of experience and/or hold advanced engineering or scientific degrees. In addition, professional staff members routinely attend or present at conferences, seminars, or workshops for continuing education each year. Our engineering team has extensive experience assisting public and private sector clients in engineering the right solution to meet their goals. Engineers **Nathan Collier, P.E.,** and **Matt Van Hattem, EIT** are in our headquarters office in Stephenville and engineers **Gretchen Miller, Ph.D., P.E., P.G.** and **Hunter King, P.E.** are in our Round Rock office. Hydrogeologists include **Aaron Collier, P.G., Alyson McDonald, Ph.D., P.G., and Peter Schulmeyer, P.G.** in our Stephenville office and **Peter George, Ph.D., P.G.** in our Round Rock Office. **Brad Cross, P.G.,** a former TCEQ public drinking water staff member with over 40 years' groundwater experience, will oversee the project.

AARON COLLIER, P.G.

Vice President

Aaron is geoscientist with 20 years of professional experience in all facets of subsurface investigations and engineering projects. During his career, Aaron's responsibilities have ranged from on-site supervision of drilling and description of well cuttings in mixed carbonate and siliciclastic environments to technical lead/project management of several of Collier's geoscience projects. For the last 7 years, Aaron has overseen the operation of Collier Consulting and its sister company Collier Geophysics. Projects during Aaron's tenure have included local and regional hydrogeological investigations throughout Texas, designing groundwater databases, groundwater modeling, borehole and surface geophysical investigations throughout the United States, water resource engineering, development of SAAS software for management of water assets, regulatory compliance, and environmental litigation.

Education
M.S. Geology, University of Texas at San Antonio

Registrations
Texas P.G. # 11201

Industry Tenure
20 years

Collier Tenure
20 years

Location
Stephenville, TX.

Selected Project Experience

Hydrogeologic Experience
Supervised the creation of groundwater models for various clients to be used in the management of aquifer(s). Interpreted the lithostratigraphic and hydrostratigraphic boundaries of numerous aquifers using borehole geophysical and drillers' logs. Created geologic cross-section and fence diagrams from the interpreted log information. Integrated the geologic descriptions with borehole and surface geophysics to define the aerial extent of various water qualities more accurately. Performed numerous pumping tests to obtain aquifer parameters. Identified, established, and conducted water level monitoring programs.

Public Water Supply Drilling
Provided 24-hour supervision for several public water supply wells. Conducted detailed geologic descriptions of the entire stratigraphic column from drill cuttings in a variety of public water supply wells ranging in depth from < 100 feet to >2,000 feet. Integrated the geologic descriptions with borehole and surface geophysics to determine sand thickness, screen settings, and future well locations. Used surface seismic to delineate stratigraphic contacts, geologic thickness, and regional faulting. Reviewed Schlumberger's Formation Micro Imager, Ultrasonic Borehole Imager, and Optical Televiewer logs to integrate the regional faulting seen in surface seismic to the local faulting/fracturing at the borehole scale.

Geotechnical/Environmental Drilling
Provided supervision of drilling of numerous geotechnical/environmental borings. Integrated the geologic descriptions with borehole and surface geophysics to define the aerial extent of subsurface contaminants more accurately.

NATHAN COLLIER, P.E.

Engineer

Nathan is an experienced engineer specializing in water resource development, near-surface geophysics, and geology. Nathan has over 15 years of training and experience in engineering management, organizational leadership, and process designs. Nathan has led multi-disciplinary teams throughout the U.S., as well as, South America, Europe, Asia, and the Middle East. He is skilled in team building, risk management, and organizational leadership.

Nathan's technical expertise is wide ranging. He has designed numerous public water systems across Texas. These projects have included new system designs, system expansions, rehabilitations, and water treatment. Beyond water resources engineering, Nathan is experienced in near-surface geophysical investigations to provide sub-surface characterization. These investigations support groundwater, engineering, environmental, and energy projects. Nathan oversees and manages the geophysical program consisting of offices in seven states that execute projects across the nation.

Education
B.S. Engineering Management, United States Military Academy at West Point

MBA, Webster University, St. Louise, MO.

Registrations
Texas P.E. # 134315

Industry Tenure
16 years

Collier Tenure
16 years

Location
Stephenville, TX.

Selected Project Experience

Mustang SUD Water Wells Construction – Aubrey, TX.
Provided on-site construction inspections and monitoring for three high-capacity wells into the Trinity Aquifer. These large diameter wells were constructed to a depth of approximately 1,600-feet. This three-phased project had a total construction time of over 12 months and construction cost of over 2 million dollars.

Spring & Well Monitoring Program – Alpine, TX.
Lead engineer for a multi-year water resources monitoring program in West Texas. This program consisted of monitoring eleven remote sites on a sprawling ranch of over 100,000-acres. The team designed and constructed ruggedized monitoring systems to maintain readings through weather extremes. Quarterly reports were conducted on spring production, water quality, water chemistry, and well water levels.

Timberview Lodge Event Facility Public Water System – Alvarado, TX.
Designed public water system for the Timberview Lodge which consisted of water well producing over 40-gallons per minute. The water system also included a 10,000-gallon ground storage tank, pressure tanks, pump house, electrical, piping, and chlorination. This system also required a 6-inch waterline of approximately 5,000-feet. Total project cost was $730,000 and completed within the original cost estimation.

Aqua Texas, Stable Gate Public Water System – Harris County, TX.
Designed a public water system which consisted of a 550-feet water well with 8-inch diameter steel casing. The water system produced over 340-gallons per minute. The water system also included a disinfection system, storage tank, electrical, piping, valves, and controls. The system also required one 100-kilowatt diesel powered emergency generator. Total project cost was $450,000 and was completed within the original cost estimation.

GRETCHEN MILLER, PH.D., P.E., P.G.

Engineer

Dr. Gretchen Miller has been working in environmental and water resources engineering for nearly 20 years. During that time, she has worked in academia and environmental consulting. Prior to joining Collier, she was an associate professor at Texas A&M University, where she taught fluid dynamics and groundwater engineering. She is an experienced project and program manager and has experience conducting major projects involving numerical modeling of groundwater flow and transport, plant-groundwater relations, and managed aquifer recharge.

Education
Ph.D. Environmental Engineering, University of California at Berkeley

B.S. & M.S., Geological Engineering, University at Rolla

Registrations
Texas P.E. # 113115
Texas P.G. # 15342

Industry Tenure
20 years

Collier Tenure
1 year

Location
Round Rock, TX.

Selected Project Experience

Surface/Groundwater Interactions in the Brazos Alluvial Aquifer
Lead development of a 2-D variably saturated model (HYRUS) of the Brazos River Alluvial Aquifer. Used existing and new geologic borings to characterize hydrostratigraphy and calibrated a model based on USGS and local water level measurements. Discovered paleochannel influencing groundwater/river interactions, which was later confirmed using geophysical surveys.

Stochastic Modeling of Groundwater Circulation in Wells for VOC Remediations
Developed numerical model (MODFLOW, MT#D, Groundwater Vistas) of a groundwater remediation alternative for a former DoD Superfund site in Nebraska. Evaluated remediation method using a Monte Carlo approach to predict probability of contaminant capture.

Remote Sensing of Groundwater Dependent Vegetation in Edwards Aquifer
Conducted desktop and remote sensing study of phreatophytic vegetation at state-wide and aquifer-wide scales. Mapped areas likely hosting groundwater dependent ecosystems, based on satellite signatures.

Managed Aquifer Recharge of Stormwater – Harris County, TX.
Collaborated with Harris County, the Harris County Flood Control District, and an industry partner to conduct a feasibility study for using managed aquifer recharge methods to lower stormwater and flood flows. Designed, installed, lead, and supervised monitoring program and performance assessment for two years of operation of a pilot facility near Tomball, Texas in the Gulf Coast Aquifer. Created 2-D, variably saturated model (HYDRUS) to determine optimal spacing for infiltration trenches.

Restoration & Preservation of the Alamo Church – San Antonio, TX.
Consulting hydrologist for the Alamo Church Moisture Monitoring Program aimed at determining the causes of stone loss in the building. Surveyed site hydrology to identify possible sources of excess moisture. Designed and managed below-grade monitoring and water sampling program. Used stable isotope tracers to track sources of moisture. Analyzed groundwater and soil moisture data to determine system response to changes in weather conditions. Joined team of architects and engineers in crafting a data-informed, long-term vision for reducing ongoing environmental damage to the Church.

MATT VAN HATTEM, EIT

Sr. Engineer

Matt's background includes experience with a wide variety of water resource engineering, geophysical surveys, and environmental investigations. He also has extensive experience in the design and construction of a variety of private and municipal water treatment and supply projects throughout Texas, including the Lower Rio Grande Valley. Matt's overall responsibilities include client development, project management, team leadership, preparation, and construction inspection and management. His diligence and experience allow him to deliver projects on time and within budget.

Education
B.S. Manufacturing Engineering Technology, Tarleton State University

Registrations
Texas EIT

Industry Tenure
17 years

Collier Tenure
17 years

Location
Stephenville, TX.

Selected Project Experience

Aqua Texas – Trinity Aquifer Geology, Wells, Pump Houses, Treatment Plans, & Construction Supervision
For over 12 years Matt has designed public water supply wells and systems for Aqua Texas well field projects in North Texas. He has contributed designs for over 60 of their water systems. Matt routinely designs wells, pump houses, treatment systems, and storage tanks. He also completes the permitting packets and managers the construction supervision.

Water Treatment for Radionuclides
Matt has designed four separate radionuclide treatment systems for public water supply systems in North and Central Texas. Matt was able to find an approved treatment vendor and reduce the pilot testing requirement; therefore, reducing the project timeline and saving the client money.

Water Well Permitting, Engineering, Construction Management, & Testing
Matt has permitted and designed to TCEQ public drinking water standards, over 200 Santa Rosa and Permian brackish water wells on government and private lands in the West Texas Permian Basin for numerous operators. Wells are sited and engineered based on a hydrogeologic analysis of nearby borehole geophysical logs and water well records obtained from State, local, and private sources. In some cases, cross-sections and proprietary hydrogeologic studies were prepared.

Borehole Geophysical Logging, Down Hole Video, & Water Sampling
Matt has performed geophysical logging, down hole video, and water sampling for over 100 water wells across the state of Texas, including a project where he performed 28 logs within a 14-day period. His extensive on-site experience in for private and municipal clients. He is proficient in well log interpretation and forensic well investigations.

ALYSON MCDONALD PH.D., P.G.

Sr. Hydrologist

Alyson specializes in ecohydrology of semi-arid environments. She has conducted a variety of water resource investigations across West Texas with the cooperation of landowners, as well as state and federal agencies. Surface water experience includes stream of discharge measurements from the Pecos Valley and Yegua Jackson aquifers, baseflow recession analysis, standard of identity study to assess hydraulic connection between groundwater and spring water in the Queen City and Sparta aquifers. Groundwater expertise includes rainfall recharge in the Edwards Trinity Plateau aquifer, low-flow sampling from the Queen City aquifer, borehole sampling, core logging, and packer testing in the Dockum aquifer, and installation and maintenance of monitoring well networks in the Pecos Valley aquifer and Rio Grande alluvium.

Education
Ph.D. Water Management & Hydrogeological Science, Texas A&M University

Registrations
Texas P.G. # 11823

Industry Tenure
18 years

Collier Tenure
2 years

Location
Stephenville, TX.

Selected Project Experience

Groundwater Availability – Johnson County, TX.
Prepared a hydrogeological and regulatory feasibility study to determine future water well locations and production capabilities for 500 acres in Johnson County, Texas. The study included regulatory due diligence for the TCEQ and Prairielands Groundwater Conservation District (PGCD) in addition to the collection and evaluation of historical hydrogeologic information, specifically, the Paluxy and Twin Mountains Aquifers to determine probable production rates, water quality, water levels, and depth to producing zones. Based on an analysis of available hydrogeologic data and the regulatory due diligence, Collier has made a preliminary assessment of groundwater availability, water quality, and the number of wells with a conceptual wellsite layout that could be authorized under the current PGCD rules.

Steam-Aquifer Interaction – Pecos River Valley, TX.
Assessed impacts of Tamarix (saltcedar) trees on streamflow and groundwater in the Pecos River Valley, Texas. Characterized alluvial aquifer along the Pecos River. Established and maintained monitoring well network. Constructed groundwater contour maps. Conducted soil and particle size analysis and constructed lithologic cross-sections. Calculated transmissivity of alluvial aquifer using slug and bail-down methods. Measured stream discharge and completed seepage runs. Conducted hydrograph separation analyses. Constructed telescoping groundwater model. Installed and maintained water quality monitoring equipment in cooperation with AgriLife Research, the International Boundary and Water Commission, and the TCEQ.

Vadose Zone Processes – Multiple West Texas Counties, TX.
Estimated impacts of brush control on soil moisture flux and aquifer recharge in three West Texas counties using chloride mass balance approach. Results indicate inter-mountain recharge may be as little as 0.07 mm yr-1, which is between one and two orders of magnitude less than the often estimated 2% of annual rainfall. Work included soil sampling, soil particle size analyses, estimation of soil bulk density, calculation of time to chloride accumulation and deep drainage (recharge), analysis of National Climate Data Center precipitation records for local stations, and vegetation inventory.

PETER SCHULMEYER, P.G.

Sr. Hydrogeologist

Peter is a senior hydrogeologist and has over 30 years' experience working in groundwater, water resources, and environmental industries. His experience includes groundwater modeling, geophysical log interpretation, hydrogeologic groundwater and water chemistry data analysis and interpretation, hydrogeologic and environmental investigation, environmental forensics, hydrogeologic cross section, GIS mapping and data analysis. He is responsible for groundwater modeling at Collier. He has conducted subsurface mapping, geophysical log interpretation, and constructed cross-sections for formations in the Gulf Coast Aquifer System, Permian, Pennsylvanian, Triassic, and Cretaceous systems across many counties in Texas. Peter has conducted water quality assessments for wells completed in various aquifers. He has performed water resources analysis for the planning of well placement and production, contaminant transport analysis to determine the impact and movement of contaminants, and aquifer tests to determine hydraulic properties of aquifers.

Education
M.S. Hydrogeology, University of Iowa

B.A. Geophysics, University of Colorado

Registrations
Texas P.G. # 11085
Wyoming P.G. # 3624

Industry Tenure
30 years

Collier Tenure
12 years

Location
Stephenville, TX.

Selected Project Experience

Paleozoic (Cross Timbers) Aquifer – Cooke County, TX.
A 3-D multi-layer groundwater flow model was developed to investigate the effect of a well field on area water level in the Paleozoic (Cross Timbers) aquifers in Cooke County, Texas. A maximum of twelve Paleozoic (Cross Timbers) wells were planned for the well field. MODFLOW was used to simulate water level changes, optimize well field design, and determine any interaction between the Paleozoic (Cross Timbers) and the Antlers Aquifers that may result from multi-well aquifer tests. Analyzed pumping tests for aquifer properties – storativity, transmissivity, and hydraulic conductivity.

Gulf Coast Aquifer – Galveston County, TX.
Developed a 3-D multi-layer numerical groundwater flow model (MODFLOW and SEAWAT) in the Gulf Coast Aquifer to investigate the effect of planned Aquifer Storage and Recovery wells on land surface subsidence, saltwater intrusion, and area water levels. Several hundred geophysical logs were analyzed for model development. The study integrated geochemical modeling to examine effects of mixing different waters during aquifer storage and recovery.

Chicot Aquifer – Freeport, Brazoria County, TX.
Analyzed over 300 geophysical logs to determine the area's hydrostratigraphy for development of a MODFLOW and SEAWAT groundwater flow model to investigate the effect of a well field on area water level, land surface subsidence, and saltwater intrusion in the Chicot Aquifer.

Gulf Coast Aquifer – Cameron County, TX.
This study was conducted to explore potential groundwater resources with total dissolved solids less than 5,000 mg/L. Examined over 500 geophysical well logs to investigate the hydrostratigraphy of the Gulf Coast Aquifer.

PETER GEORGE, PH.D., P.G.

Sr. Hydrogeologist

Dr. Peter George has been working as a geoscientist for over 30 years. During that time, he has worked in academic research, the mining industry, the oil and gas industry, state agencies, and currently at Collier. At the University of Texas and the University of Wyoming, Peter worked as a field geologist on mining projects in the Western U.S. and managed testing of Halliburton's petrophysical software. At the Texas Water Development Board, he produced reports on the hydrogeology of the State's aquifers. Peter worked on protecting groundwater resources during oil and gas production for the Railroad Commission of Texas. At Collier he has worked on a variety of projects related to groundwater production in Texas.

Education
Ph.D. Geology, Louisiana State University

M.S. Geology, Texas A&M University

B.S. Geology, Duke University

Registrations
Texas P.G. # 10344

Industry Tenure
31 years

Collier Tenure
11 years

Location
Round Rock, TX.

Selected Project Experience

Aquifers of Texas
Peter adjusted the boundaries of the Blaine, Bone Spring-Victorio Peak, Edwards (Balcones Fault Zone), Igneous, Lipan, Ogallala, Pecos Valley, Seymour, and Trinity aquifers.

Bone Spring-Victorio Peak Aquifer – Hudspeth County, TX.
Peter characterized Hudspeth County's groundwater in terms of availability and water quality and accessed the boundary of the Bone Spring-Victorio Peak aquifer.

Carrizo-Wilcox Aquifer Study
Peter completed a study on the geology of the Carrizo-Wilcox aquifer for the Texas Water Development Board Report #374.

State of Texas Transborder Aquifer Study
Peter contributed to a study on shared aquifers bordering the State of Texas. The study included stratigraphic interpretations, constructing maps, and analyzing groundwater chemistry.

Groundwater Availability Models
Peter was involved in developing geologic models for the State's groundwater availability models.

Hydrogeologic Studies
Peter completed numerous hydrogeologic studies throughout the state, focusing on water production, and groundwater chemistry.

BRAD CROSS, P.G.

Sr. Hydrogeologist

Education
B.S. Geology, University of Texas at El Paso

Registrations
Texas P.G. # 1401
Louisiana P.G. # 306

Industry Tenure
40 years

Collier Tenure
3 years

Location
Round Rock, TX.

Brad Cross is a Senior Hydrogeologist with Collier and has over 40 years of experience in the field of underground injection control, environmental permitting, public water supply, groundwater resource evaluation, hydrogeologic studies, environmental assessments, and project management. Throughout his 15 years at the Texas Commission on Environmental Quality and contract work with the U.S. Environmental Protection Agency, Brad gained extensive experience and knowledge on the development of rules, regulations, and guidelines associated with Underground Injection Control, Public Drinking Water, Waste Management, and Non-Point Source Pollution. He has served as a permit writer for the TCEQ in both the Class I and Class V injection well areas and served as program manager for the Class V injection well program. Brad developed and directed Texas' statewide drinking water protection program and provided site-specific technical assistance to over 300 communities throughout the state. He was responsible for developing public education strategies and coordination of local, regional, state, and federal representatives to assure comprehensive program coordination. He also managed and provided oversight of a $3 million joint funding agreement with the U.S. Geological Survey in the development and implantation of a statewide source water assessment program. Brad also spent 21 years with private consulting firms conducting hydrogeological studies for clients.

Selected Project Experience

Injection Well Permitting & Aquifer Exemption – El Paso, TX.
Developed five class V/I injection well applications and associated permits for the City of El Paso's 27.5 mgd brackish water desalination plant. Responsibilities included developing injection well applications, drilling and completion oversight, annual mechanical integrity testing, and re-posting. An Aquifer Exemption was also secured to address injection of concentrate that does not meet state and federal primary drinking water standards.

Source Water Assessment & Protection Program – Multiple Communities, TX.
Architect of TCEQ's Source Water Protection Program. Activities included program design, securing program approval by EPA, and statewide implementation.

Statewide Anthropogenic Groundwater Contamination Study
Conducted TWDB statewide study of potential and existing groundwater contamination. The study examined potential sources of contamination from business, industry, waste disposal, and agricultural activities. Project report and maps are utilized as a tool for Regional Water Planning Groups when considering future groundwater development as a water management strategy.

Statewide Characterization of Major & Minor Aquifers
Developed a general characterization of major and minor aquifers in Texas for a major oil company, providing the client with an evaluation of the potential availability of groundwater, selected aquifer characterizations, and general information on groundwater conservation districts as well as regional water planning activities.

HUNTER KING, P.E.

Engineer

Hunter has over nine years of experience as an environmental engineer. His experience includes borehole drilling, well design, and well construction on various water supply projects. Other experience involves environmental inspector for pipeline integrity digs programs, design, and installation management of groundwater remediation systems to cover a Light Non-Aqueous Phase Liquid (LNAPL) at a bulk storage and distribution facility, implementing groundwater monitoring programs and soils sampling plans at multiple sites, part of crude oil interstate pipeline release emergency response teams, and conducting Phase I ESA site investigations.

Education
M.S. Environmental Engineering, Mercer University

Registrations
Texas P.E.

Industry Tenure
9 years

Collier Tenure
1 year

Location
Round Rock, TX.

Selected Project Experience

Seminole Well Drilling – Seminole, TX.
Engineer responsible for performing borehole drilling and well construction oversight for two water supply wells, both at depths of 275-feet below grade. Conducted and documented 24-hour pump tests on each well and collected water quality samples. Responsibilities included coordinating with drilling contractor, documenting, and reporting all observations made during the borehole drilling, well construction, pump tests, and water sampling.

Midlothian Well Drilling – Midlothian, TX.
Engineer responsible for performing borehole drilling and well construction oversight on a water supply well at a depth of 660-feet below grade. Performed gamma-electric borehole surveying to determine below grade screen interval placing. Responsibilities included coordinating with drilling contractor, documenting, and reporting all observations made during the well construction.

Galena Park Terminal – TX.
Engineer responsible for performing soil boring and water sampling to assess petroleum impacts around two bulk storage petroleum tanks. Responsibilities included coordinating and supervising on-site drilling crew, assessing, and analyzing soil and water quality data, preparing, and generating Texas regulatory reporting for site closure.

City of Universal City New Edwards Aquifer Well – Bexar County, TX.
Engineer responsible for preparing the well plans and specifications and submitting the documents to TCEQ and the Edwards Aquifer Authority for approval. Assembled the bid package, solicited bids, and evaluated bids for well construction. Assisted the City in preparing the contract and provided contract administration of change orders and pay requested. Monitored all construction phases.

References and Projects

East Rio Hondo WSC's Martha Ann Simpson, Nelson Road, & Arroyo City Water Treatment Plants

Collier provided a Phase I hydrogeologic study of the areas surrounding East Rio Hondo's three water treatment plants. The investigation was a desktop study utilizing obtainable, historical databases. The purpose of this study was to identify aquifer quality sands containing water with total dissolved solids of 5,000 mg/l or less. For this study, 503 petroleum geophysical logs were used to identify possible zones with smaller concentrations of TDS. Selected logs were then used to construct lithologic cross sections across the study area. The geophysical logs were used to estimate the concentration of TDS in the groundwater. This method uses geophysical logs that recorded the deep resistivity of the formations. Four lithologic sections were prepared to show the location of possible fresher water zones with smaller concentrations of TDS. The lithologic sections showed that fresher water lies to the north and west of the three water treatment facilities.

Key Services
- Hydrogeology

Location
- Cameron County, TX.

Project Date
- 2013

Client
- Brian Macamanus
- East Rio Hondo WSC

Budget
- $18k

San Juan Utilities Reservoir

Collier, in conjunction with other experts, served as a subject matter expert in the assessment of issues with the liner for a freshwater reservoir. The liner was installed in the reservoir to prevent groundwater infiltration. Collier investigated changes in water quality (high alkalinity) and bubbles that developed by rising groundwater levels. The study included a site visit, review of the design and installation of the liner, assessment of the site hydrogeology, review of the chronology of the reservoir's history, and consultation with other experts. A findings report was prepared for the client.

Key Services
- Hydrogeology
- Engineering

Location
- Hidalgo County, TX.

Project Date
- 2011

Client
- Ezequiel Tovar
- Rodriguez & Tovar, LLP.

Budget
- Confidential

City of Universal City New Edwards Aquifer Well

Collier provided the engineering, hydrogeology, permitting, construction monitoring, and contract administration services for a new replacement Edwards Aquifer public water supply well for the City of Universal City. The well will be drilled to a depth of 585-feet with a 16-inch diameter steel casing set from land surface to an approximate depth of 385-feet. The well is open hole completion from 385 to 585-feet. The well is located in a confined area and adjacent to a multi-family apartment complex; therefore, noise abatement procedures are being engineered and implemented.

The Collier team will prepare the well plans and specifications and submit the documents to TCEQ and the Edwards Aquifer Authority for approval. The team also will assemble the bid package, solicit bids, and evaluate the bids for well construction. The team will assist the City in preparing the contract and provide contract administration of change orders and pay requests. Collier will monitor and manage all construction phases.

After supervising the development phase of the well, Collier will conduct a 36-hour pumping test and analyze the data for use in selecting the pump testing and head capacity standards for the permanent pump. Documents were provided to TCEQ for interim approval.

Key Services
- Engineering
- Hydrogeology
- TCEQ Permitting
- Construction Monitoring
- Contract Administrative Services

Location
- Bexar County, TX

Project Date
- Ongoing

Client
- Randy Luensmann
- City of Universal City

Budget
- $120k

North Cameron RWSC

Collier provided engineering and hydrogeology services related to test hole drilling, test pumping and sampling, and permanent production well construction at the North Cameron RWSC reverse osmosis treatment plant. The new production well was intended to complement the existing well at the site, which is completed to a depth of 541-feet. Previous studies suggested a probable production interval for the new well below the existing well in an interval from approximately 605 to 875-feet. We interpreted geophysical logs, sieve analyses, and water quality analyses. Collier prepared and submitted final well construction information to the Texas Commission on Environmental Quality (TCEQ) for interim approval.

Key Services
- Engineering
- Hydrogeology

Location
- Combes, TX

Project Date
- 2016

Client
- Brian Macmanus
- East Rio Hondo WSC

Budget
- $200k+

City of Pflugerville's Edwards Aquifer Water Supply Evaluation

As a supplement to its existing surface water supplies, the City of Pflugerville has historically utilized seven public water supply wells completed in the Edwards Aquifer. Collier was specifically charged with expanding the capacity of Well No. 6 during long-term drought conditions and evaluating the technologies that could be implemented within the current site footprint.

Key Services
- Hydrogeologic Study

Location
- Travis County, TX.

Project Date
- Ongoing

Client
- Brandon Pritchett
- City of Pflugerville

Budget
- $90k

Collier conducted a detailed regional and local stratigraphic study of the Edwards Aquifer along with reviewing historic pumping and water level data as well as hydrographs of the City's wells. Data indicated there is a static water level response to the magnitude of groundwater pumping that occurs in the area and that water levels can fluctuate some 260-feet from time of high pumping and lower recharge to times of less pumping and higher recharge.

Based on the data collected and analyzed, recommendations regarding future utilization and potential enhanced drought resilience of Well No. 6 included well rehabilitation/enhancement such as reaming and deepening resilience of the well and controlling the variable frequency of driver for the pump. Aside from the rehabilitation/enhancement recommendations, a recommendation was made to monitor and record pumping of all wells not only with the City but nearby public water supplies as well in an effort to properly manager the aquifer on a regional basis.

References Form

Please list at minimum five (5) local governmental entities where similar scope of services were provided.

THIS FORM MUST BE RETURNED WITH YOUR OFFER.

REFERENCE ONE

Government/Company Name: East Rio Hondo WSC's Martha Ann Simpson, Nelson Road, and Arroyo City Water Treatment Plants, Cameron County, Texas

Address: 206 Industrial Parkway, Rio Hondo, Tx. 78583

Contact Person and Title: Brian Macamanus, P.E. Director of Water & Wastewater

Phone: 956-748-2605 Fax: 956-748-2819

Email Address: bemacmanus@erhwsc.com Contract Period: March - August of 2013

Description of Professional Services Provided:
Performed a hydrogeologic study of the areas surrounding three water treatement plants (WTP). The study was conducted to explore for sources of groundwater with total dissolved solids (TDS) of less than 5,000mg/L.

REFERENCE TWO

Government/Company Name: San Juan Utilities

Address: 1111 Nolena Ave. McAllen, TX. 78504

Contact Person and Title: Ezequiel Tovar, City Attorney

Phone: 965-369-8588 Fax: 956-687-6415

Email Address: zeke@mcallenlawfirm.com Contract Period: 2010-2011

Description of Professional Services Provided:
To investigate the changes in water quality (high alkalinity) in the Reservoir and the HDPE (High Density Polyethylene) liner that was installed in the Reservoir to prevent groundwater infiltration.

REFERENCE THREE

Government/Company Name: City of Universal City

Address: 2150 Univeral City Blvd. Universal City, TX. 78148

Contact Person and Title: Randy Luensmann, Public Works Director

Phone: 210-658-5364 Fax: 210-566-2634

Email Address: pwdirector@uctx.gov Contract Period: 2022-ongoing

Description of Professional Services Provided: Provided engineering, hydrogeology, TCEQ permitting, construction monitoring, and contract administration services (including preparation, solicitation, and evaluation of bid documents) for a new Edwards Aquifer public water supply well.

REFERENCE Four

Government/Company Name: North Cameron RWSC

Address: PO Box 621 Rio Hondo, TX. 78583

Contact Person and Title: Brian Macmanus, Director

Phone: 956-748-2605 Fax: 956-748-2819

Email Address: bemacmanus@erhwsc.com Contract Period: 2012-2016

Description of Professional Services Provided: Provide engineering and hydrogeology services related to test hole drilling, test pumping and sampling, and permanent production well construction at the North Cameron RWSC reverse osmosis treatment plant.

REFERENCE Five

Government/Company Name: City of Pflugerville

Address: 15500 Sun Light Near Way #B, Plugerville, TX. 78691

Contact Person and Title: Brandon Pritchett, Public Utility Director

Phone: 512-990-6402 Fax: n/a

Email Address: brandonp@pflugervilletx.gov Contract Period: 2022-ongoing

Description of Professional Services Provided: Conduct extensive local and regional hydrogeologic study of the Edwards Aquifer to understand how the City's wells can best be utilized and how additional groundwater supplies can augment exisiting surface water supplies to meet projected demands in the coming years.

- **Additional pages are permitted if more space is required**

Space intentionally left Blank

Background and Scope of Services

The Collier staff dedicated to the Webb County project have extensive experience managing similar, complex, and multi-component projects.

Changes often occur during project execution, but a well-conceived plan and diligent monitoring enables proactive identification and resolution of issues. For larger projects, Collier utilizes a combination of internal project management tools and best practices endorsed by the Project Management Institute (PMI) to guide the execution of projects as planned. To successfully complete a project in the time frame allotted, we will have a designated Technical Project Manager responsible for project technical content and coordinating with Webb County. A designated Administrative Manager will be responsible for contracting and invoicing.

Collier will develop a "Project Management Plan" for discussion, review, and approval. Project Management Plans will include:

- Scope of Work/Work Breakdown Structure with deliverables, tasks, and team member responsibilities;
- Schedule in Gantt chart format with progress reports and schedule in-person member responsibilities;
- Budget control, including task budget monitoring and estimates to complete; and
- Communication Plan with minutes/summary of each meeting.

Progress Reports will be developed on a schedule determined by Webb County. Each progress report will include the project schedule, notes of any changes or adjustments, and issues or concerns along with solutions to address the identified issues or concerns.

Safety

The foundation of Collier's Health and Safety program is our commitment to the safety of our clients and employees. This commitment is reflected in our daily work activities, which incorporate regulatory requirements, as well as industry-wide best practices. Our OSHA Incident Rate (IR) is 1.3, which is well below the industry standard (typically $\leq$4.9 for a 3-year average). In addition, there have been no incidents in the past two years.

Quality Assurance

Quality in planning, design, construction, and operation is essential to achieving long-term effective solutions. Sacrifices in any area are sure to result in short-term solutions, but long-term problems that will require further study and investment to resolve. Collier will work with Webb County staff to assure quality in planning and completion of the project deliverables.

Our approach to ensuring timely completion of any project starts with ensuring that we maintain excellent and ongoing communication with Webb County staff and management, so that the specific tasks authorized under the contract are well defined, with unambiguous and clearly identifiable goals, and project results. We will maintain regular and frequent communications with the Webb County project manager so that any issues that arise during the completion of the project can be addressed quickly before they become an issue.

Collier will operate under our standard QA/QC program and any additional QA procedures required by Webb County. We understand that coordination with Webb County throughout the project will be critical to its success.

THIS FORM MUST BE INCLUDED WITH RFQ PACKAGE; PLEASE CHECK OFF EACH ITEM INCLUDED WITH RFQ PACKAGE AND SIGN BELOW TO COMPLETE SUBMITTAL / COMPLETION OF EACH REQUIRED ITEM.

RFQ 2023-009
"Engineering Services for a Groundwater Study for the Webb County Casa Blanca Golf Course"

☒ Statement of Qualifications

☒ References Form

☒ Conflict of Interest Form (CIQ)

☒ Certification regarding Debarment (Form H2048)

☒ Certification regarding Federal lobbying (Form 2049)

☒ Code of Ethics Affidavit

☒ House Bill 89 Form

☒ Senate Bill 252 Form

☒ Proof of No Delinquent Tax Owed to Webb County

Brad Cross
_____
Signature of Person Completing this Package

02/22/2023
_____
Date

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.

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).

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. *See* 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.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

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.**

_____

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.**

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 income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **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.**

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).

7

_____ _____

Signature of vendor doing business with the governmental entity Date

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

(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.

Texas Department of
Agriculture

Form H2048
January 2008

CERTIFICATION
REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR COVERED CONTRACTS

PART A.

Federal Executive Orders 12549 and 12689 require the Texas Department of Agriculture (TDA) to screen each covered potential contractor to determine whether each has a right to obtain a contract in accordance with federal regulations on debarment, suspension, ineligibility, and voluntary exclusion. Each covered contractor must also screen each of its covered subcontractors.

In this certification "contractor" refers to both contractor and subcontractor; "contract" refers to both contract and subcontract.

By signing and submitting this certification the potential contractor accepts the following terms:

1. The certification herein below is a material representation of fact upon which reliance was placed when this contract was entered into. If it is later determined that the potential contractor knowingly rendered an erroneous certification, in addition to other remedies available to the federal government, the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, or the TDA may pursue available remedies, including suspension and/or debarment.
2. The potential contractor will provide immediate written notice to the person to which this certification is submitted if at any time the potential contractor learns that the certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
3. The words "covered contract", "debarred", "suspended", "ineligible", "participant", "person", "principal", "proposal", and "voluntarily excluded", as used in this certification have meanings based upon materials in the Definitions and Coverage sections of federal rules implementing Executive Order 12549. Usage is as defined in the attachment.
4. The potential contractor agrees by submitting this certification that, should the proposed covered contract be entered into, it will not knowingly enter into any subcontract with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, and/or the TDA, as applicable.

Do you have or do you anticipate having subcontractors under this proposed contract?
☐ Yes

☑ No

5. The potential contractor further agrees by submitting this certification that it will include this certification titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion for Covered Contracts" without modification, in all covered subcontracts and in solicitations for all covered subcontracts.
6. A contractor may rely upon a certification of a potential subcontractor that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered contract, unless it knows that the certification is erroneous. A contractor must, at a minimum, obtain certifications from its covered subcontractors upon each subcontract's initiation and upon each renewal.
7. Nothing contained in all the foregoing will be construed to require establishment of a system of records in order to render in good faith the certification required by this certification document. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
8. Except for contracts authorized under paragraph 4 of these terms, if a contractor in a covered contract knowingly enters into a covered subcontract with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, Department of Health and Human Services, United States Department of Agriculture, or other federal department or agency, as applicable, and/or the TDA may pursue available remedies, including suspension and/or debarment.

PART B. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR COVERED CONTRACTS

Indicate in the appropriate box which statement applies to the covered potential contractor:

☑ The potential contractor certifies, by submission of this certification, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded form participation in this contract by any federal department or agency or by the State of Texas.

☐ The potential contractor is unable to certify to one or more of the terms in this certification. In this instance, the potential contractor must attach an explanation for each of the above terms to which he is unable to make certification. Attach the explanation(s) to this certification.

Name of Contractor	Vendor ID No. or Social Security No.	Program No.

Signature of Authorized Representative

02/22/2023
Date

Aaron Collier, P.G.
Vice-President
Printed/Typed Name and Title of Authorized Representative

CERTIFICATION REGARDING FEDERAL LOBBYING
(Certification for Contracts, Grants, Loans, and Cooperative Agreements)

PART A. PREAMBLE

Federal legislation, Section 319 of Public Law 101-121 generally prohibits entities from using federally appropriated funds to lobby the executive or legislative branches of the federal government. Section 319 specifically requires disclosure of certain lobbying activities. A federal government-wide rule, "New Restrictions on Lobbying", published in the Federal Register, February 26, 1990, requires certification and disclosure in specific instances.

PART B. CERTIFICATION

This certification applies only to the instant federal action for which the certification is being obtained and is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $100,000 for each such failure.

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No federally appropriated funds have peen paid or will be paid, by or on behalf of the undersigned, to any person 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 the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

2. If any funds other than federally appropriated funds have been paid or will be paid to any person 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 these federally funded contract, subcontract, subgrant, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions. (If needed, contact the Texas Department of Agriculture to obtain a copy of Standard Form-LLL.)

3. The undersigned shall require that the language of this certification be included in the award documents for all covered subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all covered subrecipients will certify and disclose accordingly.

Do you have or do you anticipate having covered subawards under this transaction?
☐ Yes
☑ No

Name of Contractor/Potential Contractor	Vendor ID No. or Social Security No.	Program No.

Name of Authorized Representative	Title
Aaron Collier, P.G.	Vice-President

Signature – Authorized Representative

02/22/2023
Date

PROOF OF NO DELINQUENT TAXES OWED TO WEBB COUNTY

Name Aaron Collier owes no delinquent property taxes to Webb County.

Collier Consulting owes no property taxes as a business in Webb County.
(Business Name)

Gail Collier owes no property taxes as a resident of Webb County.
(Business Owner)

Laura McLemore
Person who can attest to the above information

*** SIGNED NOTORIZED DOCUMENT AND PROOF OF NO DELINQUENT TAXES TO WEBB COUNTY.**

The State of Texas
County of Webb
Before me, a Notary Public, on this day personally appeared Aaron Collier, know to me (or proved to me on the oath of Laura McLemore to be the person whose name is subscribed to the forgoing instrument and acknowledged to me that he executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office this 22 day of February 2023.

Notary Public, State of Texas

JESSICA WHITE
Notary Public, State of Texas
Comm. Expires 07-27-2025
Notary ID 13323401-6

Jessica White
(Print name of Notary Public here)

My commission expires the 27 day of July 2025

Offeror: Complete & Return this Form with Response Submission.

House Bill 89 Verification

I, Aaron Collier, the undersigned representative of (company or business name) Collier Consulting (heretofore referred to as company) being an adult over the age of eighteen (18) years of age, after being duly sworn by the undersigned notary, do hereby depose and verify under oath that the company named above, under the provisions of Subtitle F, Title 10, Government Code Chapter 2270:

1. Does not boycott Israel currently; and

2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made ordinary business purposes; and

2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or an limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business association that exist to make a profit.

Aaron Collier
Signature of Company Representative

02/22/2023
Date

On this 22 day of February, 2023, personally appeared

Aaron Collier, the above named person, who after by me being duly sworn, did swear and confirm that the above is true and correct.

Notary Seal
JESSICA WHITE
Notary Public, State of Texas
Comm. Expires 07-27-2025
Notary ID 13323401-6

Jessica White
Notary Signature

02/22/2023
Date

Offeror: Complete & Return this Form with Response Submission.

Senate Bill 252 Certification

SB 252 CHAPTER 2252 CERTIFICATION I, Aaron Collier, the undersigned representative of Collier Consulting (Company or business name) being an adult over the age of eighteen (18) years of age, pursuant to Texas Government Code, Chapter 2252, Section 2252.152 and Section 2252.153, certify that the company named above is not listed on the website of the Comptroller of the State of Texas concerning the listing of companies that are identified under Section 806.051, Section 807.051 or Section 2253.153. I further certify that should the above-named company enter into a contract that is on said listing of companies on the website of the Comptroller of the State of Texas which do business with Iran, Sudan or any Foreign Terrorist Organization, I will immediately notify Mr. Jose Angel Lopez III, Webb County Purchasing Agent at (956) 523-4125 or via email at joel@webbcountytx.gov

Aaron Collier
Name of Company Representative (Print)

Signature of Company Representative

02/22/2023
Date