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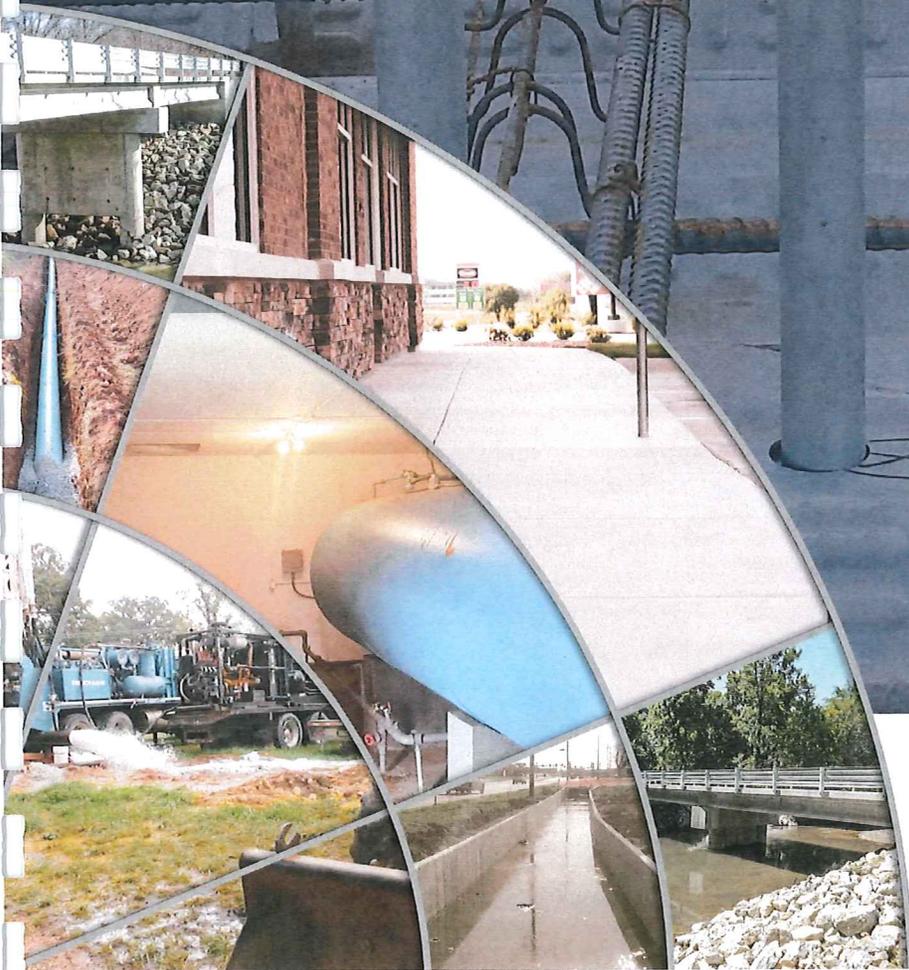
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City of
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STATEMENT OF QUALIFICATIONS
PROPOSAL # 2495-09



July 9, 2019

City of Branson
City Clerk's Office
110 W. Maddux St., Suite 205
Branson, MO 65616

Re: Engineering and Design Services
Proposal #2495-09

Dear City of Branson,

We greatly appreciate the opportunity to provide our Qualifications for Professional Engineering and Design Services. It has been a pleasure to work in the area over our long history and we hope to work with you in the future on this and many other projects.

Our staff has worked on several wastewater and /or water system improvement projects with area cities including Branson West, Monett, Battlefield, Carthage, Sparta, Pierce City, Everton, Alba, Urbana, and Norwood among others. We will work closely with you to assist in all aspects of your project and can help you establish the right project scope, budgeting, community involvement and use of resources.

Anderson Engineering is Employee Owned and has been providing engineering, materials testing, geotechnical and surveying services to our clients for over sixty (60) years as one of the oldest firms in the State. With over 85 employees in Southwest Missouri, we strive to provide personalized service at reasonable costs. Our staff in Springfield is licensed in over 40 states and offers a wide range of skills including planning, engineering studies, DNR reports, water & sewer design, bidding assistance, construction management, stormwater design, street design, traffic engineering, all types of professional surveying, easement assistance, geotechnical evaluations, pavement analysis, material testing, inspection and many other services. Our surveying and geotechnical departments are retained by and often work with City Utilities of Springfield and our laboratory is MoDOT certified. Our staff has worked with numerous other area cities and serve as a City Engineer and/or regular engineer for Battlefield, Sparta, Branson West, Monett, Carthage, Ava, Cassville, Pierce City, Fair Grove, Crane and several other communities.

Our employees care greatly about the area and we will work diligently to ensure that dollars spent are strategically and efficiently used as a positive investment in the City's future.

As you read this SOQ, we hope you will see that Anderson is a diverse, experienced, and qualified firm full of committed employee owners who have a vested interest in working hard to ensure projects are successful. We appreciate the opportunity to present our team, our commitment to serving our clients, and our long-term desire to be your engineering partner.

If you have any questions or would like any additional information, please let us know. We look forward to hearing from you, and would be happy for the opportunity to meet with you to present our team. Again, we sincerely appreciate the opportunity to submit this statement of qualifications.

Sincerely,



Andrew Novinger, P.E.
Vice President



The history of Anderson Engineering, Inc began in 1954, operating under the name of Tri-Lakes Concrete Company. What started as a one-office, concrete company has grown into a multi-million-dollar civil engineering and land surveying firm through internal growth and acquisitions. Our ten offices throughout Missouri, Arkansas and Florida keep our roots planted in Springfield, Missouri, allowing us to be strongly rooted in the Midwest and centrally located to serve all 40 states around the country that we are licensed in.

Anderson Engineering is 100 percent employee owned, providing consulting services through 120+ team members. Our professional team, alongside our incredible support staff, allows us to be a one-stop-shop for all of your engineering needs.

At Anderson Engineering, our clients are our top priority. We serve public and private clients including architects, engineers, contractors, private developers, institutions, local, state and federal government agencies and individual home owners. We work diligently to ensure that every dollar spent is strategically, efficiently and fiscally responsible with each project, as a positive investment in our client's future. Our understanding of the area, excellent customer service and our consistent strive to exceed our clients expectations makes Anderson Engineering a great fit for you.

SERVICES INCLUDE

- | | |
|--|---|
| Civil Engineering | Wastewater Treatment |
| Geotechnical Engineering | Stormwater Drainage Analysis and Design |
| Geographical Information Systems (GIS) | Boundary/Topographic Surveys |
| Construction Material Testing | Drilling Services |
| Commercial Drone Services | Geotechnical Investigations |
| Land Surveying | Environmental Sampling |
| Civil/Site Design | Monitoring Well Installation |
| Bridge Engineering | Field Construction Monitoring |
| Structural Engineering | Landscape Architecture |
| Phase I Environmental Site Assessments | |
| Municipal Street and Sewer Design | |

QUALIFICATIONS

- 1. SPECIALIZED EXPERIENCE & COMPETENCE:** Our company history has included substantial experience in planning, engineering studies for DNR, design (waterlines, water wells, water towers...), applications, user rates, public hearings, easements, project funding, surveying, inspections, testing, GIS, and numerous other services. We proudly offer in-house geotechnical engineers, inspectors, materials testing, and surveying resources which can save Clients from hidden expenses and future failures that are often not initially evident if unevaluated. Our staff has worked with numerous other area cities and we serve as a City Engineer and/or regular engineer for Battlefield, Sparta, Branson West, Monett, Carthage, Ava, Cassville, Fair Grove, Pierce City, Crane and several other communities. We have recently worked on DNR or other publically funded wastewater projects in Alba, Pierce City, Battlefield, Norwood, Everton and Urbana. Our services have included studying and funding (MDNR, CDBG, USDA) improvements and we have assisted with reports, applications, design, bidding, construction management, and planning. Surveying is an important part of our company and we are one of the areas most experienced firms, having assisted numerous area communities and we are retained by City Utilities of Springfield. We may provide assistance with easements, mapping, and GIS. We can use our dynamic staff as work projects demand.
- 2. AVAILABILITY, CAPACITY AND CAPABILITY OF COMPANY:** With over 85 staff members in southwest Missouri, we offer a variety of specialties and expertise. We can offer multiple engineers to utilize to complete work within timelines needed and we can start work immediately. As an Employee Owned firm, we believe our staff is highly motivated as they are each an active part of the company. Our full-time certified materials and geotechnical staff are promptly available to ensure projects are built to the required standards for a long project life and to protect Client's interests. Over our history our staff has grown to include numerous personnel skilled in planning, design and project management. We have assisted from the early planning stages through design, funding, bidding and construction and can meet project schedule requirements.
- 3. PAST RECORD OF PERFORMANCE OF FIRM:** Our firm is one of the oldest engineering firms in Missouri and we have been in business for more than 60 years. As you are aware, using government funding can take a considerable amount of time and patience and we are committed to staying with projects throughout and will assist anyway we can. Over our history we have worked on hundreds of projects and retained clients due to the simple fact that we provide quality work within budget and on time. The majority of our business is with repeat Clients as we strive to deliver quality designs for reasonable costs. Please refer to the attached references which we believe reflects on our capabilities.
- 4. FIRM'S PROXIMITY & FAMILIARITY WITH THE PROJECT AREA:** We are very familiar with the project area due to our recent area projects and have a long history of working on projects in south and west Missouri. Our office has completed multiple projects with the State and various other Cities. Our Springfield office is located across the street from DNR's regional office and we are very familiar with various agency representatives (MoDOT, DNR, USDA, CDBG).
- 5. REFERENCES:** Our company has a very long and stable history. The majority of our business is with repeat Clients as we strive to deliver quality designs for reasonable costs. Please refer to the attached references which we believe reflects on our capabilities.
- 6. E-VERIFY:** We participate in the E-verify program and documentation is available upon request.
- 7. BUSINESS INFORMATION:** Anderson Engineering, Inc., 2045 W. Woodland, Springfield, MO 65807

417-866-2741, anovinger@andersonengineeringinc.com, Tax ID: 44-0581184



ANDREW NOVINGER, P.E.
ANDERSON ENGINEERING, INC.
VICE PRESIDENT/PROJECT MANAGER

Andrew will provide design project management to city wastewater treatment and water system projects. Andrew received his degree in civil engineering from the University of Missouri at Columbia in 1996. Andrew brings twenty years of experience in all types of municipal engineering projects with an emphasis on water and wastewater systems. Andrew has experience managing projects from concept through construction and is experienced in projects funded by all types of government agencies.



GARY STRACK, P.E., FNSPE, SECB
ANDERSON ENGINEERING, INC.
VICE PRESIDENT

Gary is widely known for his expertise in bridge engineering, where he has worked on various aspects of more than 300 structures. Other structural work experience includes storm water structures, dam spillways, treatment facilities, compressor stations, equipment foundations and supports, retaining walls, storm shelters, building design and structural inspections. He is a certified Bridge Inspection Team Leader for routine and fracture critical bridge inspections in the State of Missouri. Gary is Past President of the Missouri Society of Professional Engineers (MSPE), currently the North Central Region Director on the National Society of Professional Engineers (NSPE) Board of Directors, active in Transportation Engineers Association of Missouri (TEAM) and American Public Works Association (APWA). Gary began work with Anderson Engineering in October 2017, and currently resides in Raymore, Missouri



JASON ECKHART, P.E.
ANDERSON ENGINEERING, INC.
PRESIDENT/PRINCIPAL ENGINEER

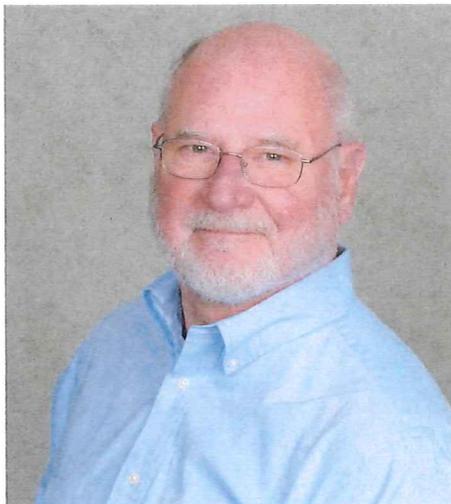
Jason has over twenty years of experience in civil and structural engineering. He has extensive experience in design of urban and rural roadways and bridges, and hydrologic and hydraulic analysis of bridge structures, culverts and floodplains. Jason has managed dozens of public and private bridge, roadway improvement and sidewalk/trail projects. He received his master's degree in Engineering from the University of Arkansas in 1997, and joined Anderson Engineering in 1998. Jason is a Principal Engineer and Vice-President for Anderson.

RESUMES



DAVID WILLIAMS, P.E.
ANDERSON ENGINEERING, INC.
GEOTECHNICAL ENGINEER

David has over five years of experience in the consulting, design, and construction of geotechnical engineering related scopes, as well as experience developing detailed cost estimates for small to mid-sized construction projects. He has extensive experience in planning, supervising, and executing site characterizations, and been involved in numerous designs of small and deep foundation systems. Responsibilities for developing detailed cost estimates included both sub- and super-structure, and all components in between. He received his master's degree in Geotechnical Engineering from the University of Missouri-Columbia in 2013, and joined Anderson Engineering in 2018 as a Geotechnical Engineer.



RICK TODD, P.E.
ANDERSON ENGINEERING, INC.
PROJECT ENGINEER

Rick brings with him over 45 years of experience in design, technical sales, field engineering and construction management. Early in his career, as a project engineer, he was heavily involved in providing wastewater collection and treatment facilities for many municipalities in Southwest Missouri. Later on, Rick managed the Springfield office of a major water and wastewater treatment equipment representative organization where he provided equipment for many local wastewater treatment facilities as well as managed their installation and startup. As Construction Manager for a local construction company, he was responsible for many wastewater projects, both municipal and industrial. Returning to the consulting engineering field, Rick has worked with various agencies to obtain state and federal funding for several municipal wastewater projects. He also specializes in chemical/physical wastewater treatment and alternative treatment technologies such as electrocoagulation.



CODY WHITE, P.E.
ANDERSON ENGINEERING, INC.
VICE PRESIDENT/GEOTECHNICAL ENGINEER

Cody is a Geotechnical Engineer and oversees the materials testing labs in our Joplin and Rogers offices. This includes geotechnical engineering, drilling, geophysical testing, and engineering supervision for field and laboratory testing for construction testing and inspection. Mr. White oversees geotechnical drilling programs for sampling of soil and rock for shallow and deep building foundations, civil engineering road and earthwork projects, and other specialty projects such as large embankments, and micropile projects. He is also in charge of testing for projects involving soil, concrete, masonry, asphalt and steel.

STORM WATER PROJECTS



CITY OF BATTLEFIELD CLOVERDALE DRAINAGE IMPROVEMENTS (2019):

As with many communities, many older portions of the City of Battlefield were developed without adequate stormwater conveyance or detention. Undersized culverts limited flow and over time, many drainage paths silted in or were blocked by fences. Working closely with the City and area home owners, Anderson Engineering provided planning and analysis of the stormwater in the vicinity and developed a concept to improve the stormwater situation. Improvements were prioritized and budgets determined through a series of meetings and planning sessions. Locations of potential work were surveyed for topography and easements were prepared by our survey staff. Design plans and bid documents were then developed and included the addition of new larger culverts, additional inlets, earthwork to establish better flow paths, and new channels. Due to the constrained space, channel walls were needed in some previous swale areas and aesthetics were considered along with functionality. Natural surfaces were used wherever possible.

It was anticipated that the project costs would be approximately \$270,000. Through careful engineering and good communication, bids received ended up being under \$200,000 with no substantial compromises in scope. During construction, project management was provided to review pay requests, submittals and coordinate work. Our in-house surveyors provided construction staking and our MoDOT certified testing lab provided materials evaluations. Geotechnical engineers on our staff were readily available for any needed consultation and project managers were available for construction or homeowner questions. The results of the project improved stormwater flow in the vicinity within the constraints of limited space and is a welcomed improvement to the community.



ACACIA SPA SITE DEVELOPMENT DRAINAGE IMPROVEMENTS (2016)

As with many communities, many older portions of the City of Springfield were developed without adequate stormwater conveyance or detention. Acacia Spa is located along a stretch of Lone Pine which floods fairly frequently and has undersized ditches. Working closely with the City and Acacia Spa's developer, Anderson Engineering provided planning and analysis of the stormwater in the vicinity and developed a concept to improve the stormwater situation. Due to the constrained space, concrete lining was needed in some previous swale areas and aesthetics were considered along with functionality. Natural surfaces were used wherever possible. As a part of the project on-site stormwater quality and detention were provided on the

Acacia property to help curb some of the drainage concerns crossing Lone Pine.

Our in-house surveyors provided construction staking and our MoDOT certified testing lab provided materials evaluations. Geotechnical engineers on our staff were readily available for any needed consultation and project managers were available for construction or homeowner questions. The results of the project improved stormwater flow in the vicinity within the constraints of limited space and is a welcomed improvement to the community.

STORM WATER PROJECTS

CITY OF JOPLIN, MO

This project consisted of assessing and developing construction plans to repair the infrastructure (streets, sidewalks, curbs, and stormwater) that was damaged in the 2011 Joplin tornado. Our area was approximately 0.9 miles by 0.9 miles and included many miles of streets. The project was funded via a Disaster Recovery Community Development Block Grant.



Our scope of work for Partial Action Plan 1 (PAP 1) was to complete a Master Strategy Report that identified, ranked, and estimated any potential project in the Pink Area and to complete construction plans for three of those projects. In the Master Strategy Report, we identified and ranked 52 potential projects at an estimated cost of over \$19,000,000.

One of the three projects we completed construction plans for was Texas and Highview Avenue. This project consisted of designing a new stormwater conveyance system to alleviate drainage issues in this basin. We completed the land surveying, geotechnical borings, pavement analysis, and stormwater report. The estimated construction cost of this project is \$357,000.

The last project we completed was 16th and Highview. This project consisted of repairing and improving approximately 1,500 feet of infrastructure. We completed the land surveying, geotechnical borings, pavement analysis, and stormwater report. The estimated construction cost of this project is \$449,000.

We expect to continue working with the City over the next several years through subsequent PAPs to complete design and construction administration of many additional projects that we identified in our Master Strategy Plan.



CITY OF CARTHAGE, MO

Project two is a large and on-going stormwater project for the City of Carthage. Anderson Engineering, as the contracted City Engineer with the City of Carthage since 2001, has been providing survey, engineering and construction administration services annually for city-wide stormwater projects. Stormwater projects have been funded by the city's parks and stormwater sales tax. Improvements constructed as a result of the sales tax have reduced flooding through these stormwater infrastructure improvements. The tax and associated projects have been so successful that the City of Carthage citizens voted in 2015 to approve an increase in the stormwater sales tax, as well as extending

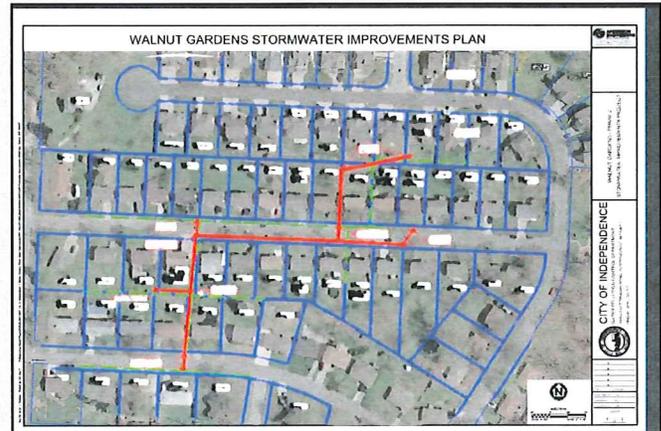
it for another twenty years. Projects have included replacing and up-sizing culverts, installing new storm inlets on streets and reshaping ditches to increase capacity. Other past improvements have included a new bridge with increased capacity that required Anderson Engineering to complete a Letter of Map Change (LOMC) with FEMA. Anderson Engineering is currently updating the city-wide stormwater study to reflect improvements made and prioritize future improvements.

STORM WATER PROJECTS

CITY OF INDEPENDENCE, MO

Noland Road Culvert Improvements Project

A half a mile south of I-70 on Noland Road Independence, Missouri, the City of Independence staff observed that the top slab on a portion of a reinforced concrete box had a large crack running down the middle of it, and requested Anderson Engineering inspect the culvert. The existing 2,500'+ structure consists of sections of reinforced concrete box, stone arch culvert and corrugated metal piping that was inspected using non-destructive techniques. Non-destructive techniques included visual, sounding, tape measure, photographic and survey through critical sections including a section of the reinforced concrete box and all of the stone arch. Based on the condition of the top slab, Anderson Engineering recommended that a portion of the adjacent parking lot be closed until repairs could be completed. The inspection data was presented to the city in a summary report, and final replacement/repair plans were given. The scope of services did not include uploading or working with the City's asset management system. An approximately 50 foot section of the reinforced concrete box will be replaced and repairs to the stone arch will be completed in 2019. Construction cost will be \$280,000.



CITY OF MOUNT VERNON, MO

The next project example is the widening of Highway 39 and construction of a new commercial Park Street for the City of Mount Vernon. Anderson Engineering provided engineering design plans for the widening of MO Route 39 in the vicinity of the new Orscheln Farm and Home Store just south of I-44, along with plans for the construction of a new collector street, approximately 1,300 feet long and 37' wide. Improvements included curb and guttering; storm sewer collection, culverts, commercial entrances and intersection improvements with MO Route 39. Other design services included field surveys, coordination with site developer, coordination and submission of plans to MoDOT for plan approval, coordination of additional construction activities with General Contractor, review plans with City staff and obtain City approval of proposed highway widening plans. Provide additional construction administration, construction materials testing and periodic observation services as required to administer the construction of the widening of MO Rte 39 as detailed by the approved design plans prepared and approved by the City and MoDOT. Design and construction were both completed in 2014, on-time and under budget. The project cost was approximately \$650,000. We worked with Blevins Asphalt Construction Company as the general contractor for this project.

GEOTECHNICAL ENGINEERING

K-MAC ENTERPRISES

Originally built over fifteen years ago, the KFC/Taco Bell restaurant in Cassville was built in a FEMA 100 year floodplain area, and soil fill was used to build up the structure. The City of Cassville had concerns about the stability of the fill when subject to flooding. Anderson Engineering was recommended by the City of Cassville to K-Mac Enterprises to perform a FEMA Certification. Our timely, responsive approach allowed this project to go smoothly, on time and within budget. We were able to assess the untested fill and meet the owner's concerns with traffic flow during peak business hours. We accommodated and worked with them to get the project completed, and worked with the City of Cassville to address their concerns as well. Incidental to this, we had already been working with the City of Cassville to advise them on flood management and mapping. By having a better understanding of the surface water and subsurface groundwater conditions, along with shallow upper rock and springs, we are in a position to be able to provide "Best Company to Work With" technical expertise and service. Our understanding of the nuances of Cassville, over the last twenty years, and recent work will provide the City a great service. Approximate cost to provide these services was \$2,500.

CASSVILLE R-IV SCHOOL DISTRICT

Anderson Engineering was the first firm in the area to provide geotechnical engineering services, beginning in the mid-1960's. Anderson has completed thousands of geotechnical investigations, exploratory drillings, and lab analyses over that time. Our first project example is a project for Cassville Middle School involving flooding repairs. Scheduled to be completed in 2017, the project consisted of determining the cause(s) of groundwater flooding into the Intermediate School. The approach involved talking to Cassville R-IV School District representatives, citizens, and City of Cassville representatives, and searching the City of Cassville for clues. Anderson Engineering was able to find the source(s) of water and create cost effective, practical solutions. Costs above a certain threshold had to be on budget and on schedule to meet August 16, 2017, school opening. Close inspections kept the contractor on track to ensure that the interests of the Cassville R-IV School District, owner, were protected. The District Superintendent appreciated close the contact with him the and updates provided. The contractor did not meet schedule, due to extraordinary issues that were not foreseeable. The District is very pleased with our performance. An incidental benefit to the City of Cassville is that almost the entire Flat Creek was walked through in the City and useful information was obtained which will benefit the City in the future. The approximate cost of the project exceeded \$1,250,000.

Geotechnical Services Include:

- Explorations, Studies, and Surveys
- Foundation Analysis and Design
- In-Situ Testing
- Exploratory Drilling
- Monitoring Wells and Piezometers
- Laboratory Testing and Analysis

Construction Materials and Soil Testing

Services Include:

- Concrete and Masonry
- Soil and Rock
- Aggregate
- Asphaltic Concrete
- Structural Steel and Welds
- Triaxial Consolidation
- Permeability Testing
- Construction Observation and Special Inspections

CONSTRUCTION MATERIALS TESTING, ADMINISTRATION AND INSPECTION



In addition to the role our lead project engineers take in administering their design projects through construction, Anderson Engineering has an extensive support staff that provides construction staking, field construction inspection and coordination, materials testing and construction administration on nearly all of our design projects. Our ability to utilize resources from our multiple offices results in cost savings for our clients. Anderson Engineering has a long-term history of successfully inspecting all types of projects. Two of our offices located in Missouri, one in Joplin and one in Springfield, have AASHTO certified material testing laboratories. Both are staffed with geotechnical engineers, civil engineers, field technicians, drillers, and experienced inspectors, who serve private and public clients, both county and municipal, for a variety of design projects.

We have over 20 staff members on our construction services team that are familiar with various funding agencies' processes, standards and procedures. To meet the increasing demands for geotechnical services in the rapidly growing Midwest, we purchased a CME 55 truck-mounted drill rig in 1978. Since that time, our drilling fleet has expanded to include a truck-mounted CME 55, a truck-mounted CME 75 and an all-terrain mounted CME 550X.

GEOTECHNICAL AND MATERIALS TESTING PROJECTS

Unit II Power Plant and SRC Retrofit , Southwest Power Station
City Utilities of Springfield | Springfield, Missouri

Liquid Propane Plant, James River Power Station
City Utilities of Springfield | Springfield, Missouri

New Water Intake Station, Stockton Lake
City Utilities of Springfield | Dade County, MO

Walmart Supercenters & Neighborhood Markets
Numerous Locations in Missouri, Kansas & Arkansas

O'Reilly Auto Parts Stores
Numerous Locations in Missouri, Kansas & Arkansas

GEOTECHNICAL ENGINEERING

BASEBALL AND SOFTBALL TURF, PITTSBURG STATE UNIVERSITY (PSU), PITTSBURG, KS

Pittsburg State University contracted Anderson Engineering to conduct a geotechnical investigation for the installation of turf surfacing to their existing baseball and softball fields. Anderson Engineering had to conduct the investigation in a manner as to not disturb the existing fields as little as possible as the fields were still actively being used. There were also utilities to be avoided. Anderson Engineering completed the project on schedule and without disrupting the use of the field. The field was left in an identical condition as before the investigation was started.



INFORMATION COMMONS BUILDING, OZARK TECHNICAL COMMUNITY COLLEGE, SPRINGFIELD, MO

The existing Information Commons Bldg at OTC included deep geotechnical drilling for the multi-story building area. Karst conditions and changes in groundwater geology caused structural settlement of exterior and interior columns of the building. Consolidation testing was performed to substantiate settlement amounts. Micropiles were utilized due to limited space for repairs and to provide an economical, but effective solution within the karst conditions. Due to drilling near drive areas and student areas, communication and close coordination with the Owner was required. Construction materials testing and inspection of construction materials and foundations were utilized to ensure the design was correctly conveyed through construction completion.



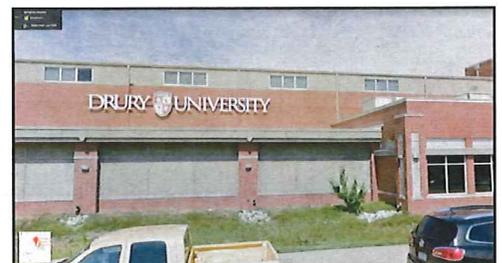
NEW MSU DORMITORY AND PARKING GARAGE, SPRINGFIELD, MO

The new dormitory and parking garage for Bryan Properties included geotechnical drilling of the 5-story structure. Several hundred-kip loads required deep drilled pier foundations. Anderson coordinated with facility personnel to ensure student safety and to stay on top of potential parking issues in proposed drilling areas.

Project discussion, requiring close coordination and communication, took place with designers out of Dallas, TX. Anderson used a down hole camera to better evaluate significance of karst related voids in rock cores. Anderson Engineering also performed rock probes on each column foundation to reduce uncertainty of bedrock conditions to minimize change orders by the pier drilling subcontractor, as well as construction materials testing and inspection of construction materials and foundations to ensure the design was correctly conveyed through construction.

O'REILLY FAMILY EVENT CENTER, DRURY UNIVERSITY, SPRINGFIELD, MO

The O'Reilly Family Event Center included deep geotechnical drilling, and include both spread and deep foundation recommendations based on differential structural loading. Thick, undocumented fill was also encountered and various options were provided to the Owner and design team to address repair options. Karst conditions, typical of the Springfield area were also found, most notably within drilled pier foundations, which required minimum pier sockets into competent bedrock. Construction materials testing and inspection of construction materials and foundations were utilized to ensure the design was correctly conveyed through construction completion.



Anderson Engineering has previously worked on a variety of municipal engineering projects including numerous sewer and water projects in communities such as Battlefield, Branson West, Monett, Carthage, Pierce City, and Sparta. Our staff has designed lift stations and force mains ranging in capacities from less than 100 gpm up to over 1,000 gpm with basic controls to VFD controlled pumps and SCADA systems. For the City of Battlefield we designed over 2 miles of force main replacement for their primary lift station in existing neighborhoods as it was found in poor condition. In addition, we have designed miles and miles of gravity collection systems for area municipalities and developments.

For water projects, we have worked with private developments such as Hickory Hills in Springfield, and with distribution in and for Cities such as Branson West, Ozark, Monett, Carthage, Pierce City, Blue Eye and Sparta among others. We have years of experience in water distribution design, hydraulic analysis, and other water system related work.

Our staff is committed to providing quality civil engineering services for our clients as well as wisdom in planning and assessment of civil engineering issues. Quality is not only technical accuracy and appropriate design, but is proper project coordination and the ability to effectively work with all participating parties. One of the most important aspects of a successful and quality project is communication between the client and their engineering consultant. It is our belief that immediate Client goals and long-range plans must be taken into account with all projects. Our goal is to conduct on-going dialogue between the City and our firm to ensure that needs related to the project may be met. In the over fifty years of experience of our firm, an excellent track record of working with and listening to our clients has been established in a manner so that the client is satisfied with the services provided. A substantial number of our clients have been with us for many years due to their satisfaction with our services. Many of our newer clients are the result of existing client referrals.

It is important on any project to be aware of cost limitations and the importance of limiting change orders. As with the overall quality of a project, good communication is imperative to understanding initial budgets, potential costs of desired improvements, and the elimination of unnecessary change orders. Our office works closely with our clients to determine an appropriate project scope, with funding agencies to arrive at an understood budget, with suppliers to estimate potential costs, and with contractors to reduce areas of confusion or resolve field issues. Minimal change orders due to design changes are believed typical and in many cases we have been able to eliminate extra costs through good communications with the contractor. When change orders have occurred, it has often been to broaden the scope of a project at the Client's request or to maximize the use of available funds for the Client's benefit.



PROPOSED SCHEDULE FOR COMPLETION OF PROJECT

Anderson Engineering has a good track record of meeting schedules and disclosed deadlines on previous municipal projects. Adhering to the deadlines of this specific project is a very reasonable and agreeable requirement. Our schedule allows work to be initiated promptly from the City's Engineering Notice To Proceed. Please refer to the following summary of primary project service sections per the scope generally described in the City's Request for Proposal and the following timeline beginning from the City's Engineering Notice to Proceed:

1. PRELIMINARY ENGINEERING SERVICES: 60 days

Beginning with the Engineering Notice to Proceed, services will include any required surveying, planning, preliminary engineering, layouts, easement assistance and other work as required. The time for completion is dependent on the availability of adequate data, access and weather.

2. DESIGN SERVICES: 90 days (not including bid time)

After the approval of Preliminary Services, Final Design Services may proceed and final drawings, specifications and computations prepared. Any required collection repairs will be included in the construction Documents and all other considerations addressed. Bid solicitation and time required for contract award will impact the length of this segment.

3. CONSTRUCTION SERVICES: 120 days (variable with final construction scope)

Following bid and contract award, and after the issuance of the Construction Notice to Proceed, Construction Phase services may proceed and include inspection, representation, submittal review and other work. The time for completion will vary with the final scope of work and in consideration of City preferences.

4. POST CONSTRUCTION SERVICES: 30 days

Upon the completion of construction, Record Drawings, certifications and there documents will be prepared and provided

Note that service lengths/times may be varied to accommodate preferences of the City and refinement of the project scope.



PROPOSED SUMMARY OF PROJECT COMPLETION METHOD

With any project, Communication and Dedication are key to that project's success. Anderson Engineering is committed to working closely with our clients and staff to achieve the best project plan and results. The following is a general summary of the proposed courses of action to obtain project goals:

INITIAL PROJECT SET-UP & SERVICES: Upon selection, Anderson Engineering will assign personnel and a primary contact/project manager and will work with the City to establish a project TEAM including City and Anderson personnel. For this particular project, the primary contact will be Andrew Novinger, P.E. who has previously helped to design in Nixa, Ozark Branson West, and other southwest Missouri communities. Other qualified individuals will be available for any occasions Mr. Novinger is not. Meetings will be scheduled with appropriate city personnel and field observations made. Existing information will be obtained and reviewed.

PRELIMINARY ENGINEERING SERVICES: Preliminary engineering will include a review of available information, analysis, planning, surveying, layouts and other work, as required. Work required to further characterize the existing system and utility locations will be scheduled and performed. Planning will be conducted to establish reasonable scopes for construction. Layouts will be provided of project sites and city staff and TEAM will be consulted with to establish preferences, features and any special requests. Surveying may be scheduled and completed by our in-house staff and used to produce preliminary layouts if needed. Throughout preliminary engineering, the city will have the opportunity to give input to the project.

FINAL DESIGN SERVICES: After the approval of preliminary services, final design services may proceed and final drawings, specifications and computations prepared. Any required revisions will be included in the construction documents and all other considerations addressed. Work will be coordinated with the city to ensure bid documents are complete and the project meets the project objectives. Bid tabs and recommendations may also be provided. A representative will be available throughout the bid process to answer questions and provide any coordination as needed.

CONSTRUCTION SERVICES: Submittals will be reviewed and work coordinated by the Project Engineer. Representation can be provided on-site by an in-house inspector knowledgeable of construction if desired. An engineer will provide occasional site observation and be available to answer any questions. Staking may be provided by the project surveyor who is familiar with the design. Upon the completion of construction, record drawings, certifications and other documents will be prepared and provided.

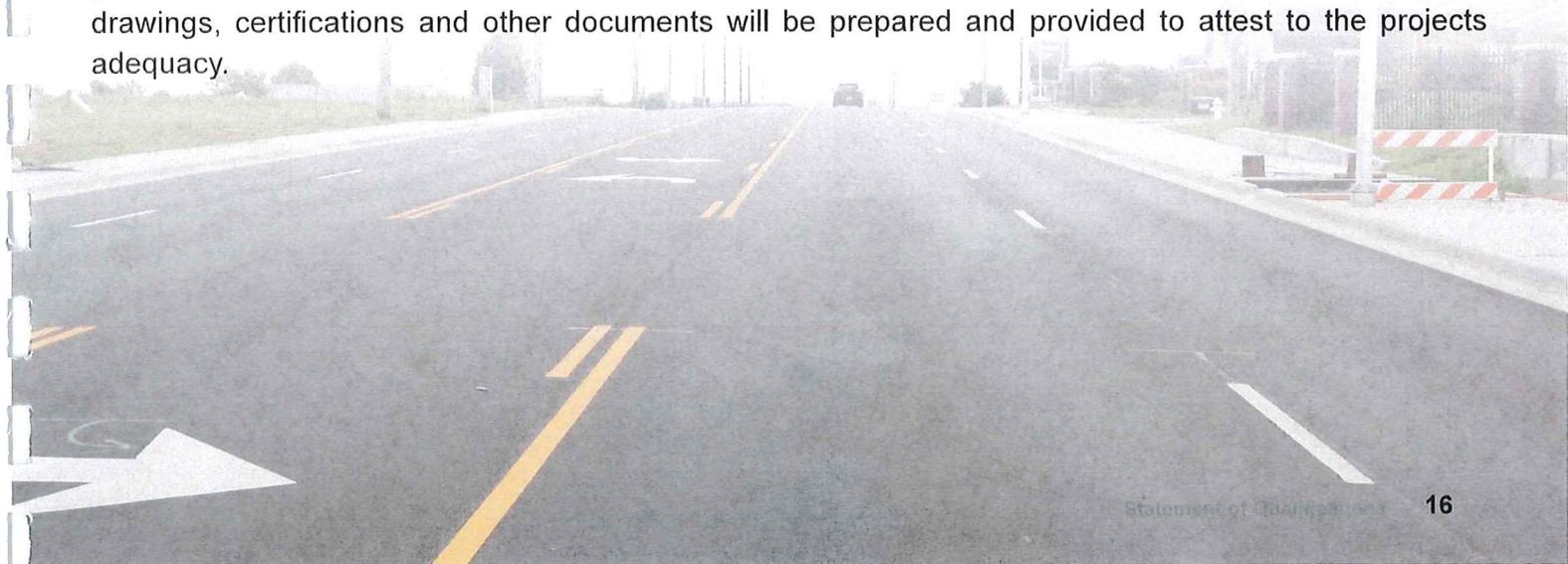
EXAMPLE PROJECTS: For projects in Diamond, MoARK (Blue Eye/Lampe), Sparta, Monet and Branson West we have completed similar designs on schedule. Please refer to our attached references.

QUALITY ASSURANCE & CONTROL

Anderson Engineering is committed to providing quality work and services. As an employee owned company, staff are very motivated to do their best and to work with discipline. The following is a general summary of measures provided for internal quality work and to protect the city's interests through construction:

INTERNAL QUALITY AND CONTROL: A primary contact and project manager will be assigned to coordinate work, act as a liaison and supervise. Having a primary contact and manager can reduce miscommunication and centralize project supervision. A project team will be established so that multiple individuals will be available and knowledgeable should the primary contact be unavailable and to efficiently provide services. A procedures manual has been established to help ensure internal staff have proper directive and support. Multiple checks of design documents by more than one individual helps reduce errors and omissions. Communication is highly regarded and prioritized which also reduces omissions. Multiple knowledgeable staff are available and provide a wealth of wisdom and experience. As all required services may be performed in-house, proper coordination and communication can occur. Up-to-date equipment and software is used to ensure precision and accuracy. Anderson Engineering continuously takes measures to keep pace with technology and is one of the only firms in Missouri to offer 3D laser scanning.

EXTERNAL QUALITY & CONTROL: During the course of the project, various services may be provided to ensure the project objective is achieved in design and construction. Multiple and experienced project staff are available to ensure communication and coordination throughout design. Communication with the city will be prioritized throughout. Site visits and availability are prioritized and adequate time allotted so that proper attention is provided to the project. A representative will be available throughout to answer questions or visit the site. In-house surveyors are experienced and have worked on numerous projects, including several with City Utilities of Springfield, and can provide accurate field information while also providing additional observation of conditions before and during construction. Proper bedding and soil are often overlooked, but are a factor in the failure and/or leakage of sewer components. In many cases, it is years before problems are discovered long after infiltration or failure has occurred. As one of the few firms in the area to have a geotechnical department and laboratory, staff are knowledgeable of ground conditions and can help ensure proper construction. Upon the completion of construction, record drawings, certifications and other documents will be prepared and provided to attest to the projects adequacy.



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