CPWG Engineering

301 W. Pacific St

Suite B

Branson, MO 65616

RECEIVED
JUN 25 2019
BY:_____

Proposal Number 2493-25

Engineering and Design Service
Lift Station 17 Force Main Repl
Spring Creek Neighborhood Wat
and Sewer System Upgrades

Date and Time Returnable:

3:00 PM, June 25, 2019

CITY OF BRANSON

Proposal Number 2493-25
Engineering and Design Services
Lift Station 17 Force Main Replacement
Spring Creek Neighborhood Water and Sewer System Upgrades

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BransonMo.gov

cpwg
AT THE READY.

City of Branson, Missouri
Purchasing Office
110 W Maddux St # 210
Branson, MO 65616

Cribb Philbeck Weaver Group, Inc.
301 West Pacific, Suite B
Branson, Missouri 65616

June 24, 2019

City of Branson
Purchasing Office
110 W. Maddux St., Suite 200
Branson, MO 65616

RE: Proposal Number 2493-25, Engineering and Design Services

Dear City of Branson Selection Committee

Cribb Philbeck Weaver Group, Inc. (CPWG) is very pleased to submit this statement of qualifications to the City of Branson for this important contract. CPWG has provided similar design services to communities in the local area and we pride ourselves on our ability to help move projects forward with strong communication, attention to detail, and diverse technical expertise. The CPWG team firmly satisfies all of the required criteria and our project team members possess all of the necessary qualifications to successfully complete these projects. Our goal is to work closely with you and become an extension of your staff. The CPWG team is committed to completing all assigned tasks in a timely manner.

CPWG's primary agent and primary point of contact for all CPWG services will be our Branson Office Leader, Mr. Todd Chandler, PE, (417) 320-6065 | todd.chandler@cpwgengineering.com. Mr. Chandler has 13 years of experience providing quality engineering services to municipalities in the Ozarks region. Todd and his team all live in the Branson area and strive to always do what is best for the community.

He and the rest of the CPWG team specialize in specific design areas, such as civil, utility (electrical, water and wastewater), structural/building/architectural, transportation, traffic, stormwater, and landscape architecture. Our design team is joined by our general contractors, inspectors, and surveyors to form a multidisciplinary team that develops cohesive designs that are both buildable and cost efficient. All our engineers and designers use the latest available version of Autodesk Civil 3D. This high skill level, combined with our underlying company philosophy of meeting client needs in the most timely and cost effective manner contributes significantly to our long-term success.

Local. CPWG has a local Branson office that is managed by a Licensed Professional Engineer along with key staff members. Our employees work on projects in Branson and the surrounding area every day and are ready to assist on any projects for the City of Branson.

Past Record. 70% of our work comes from past clients. This is the strongest indication of a successful track record of completing projects on time, on budget, and to the client's satisfaction. We want to form a lasting relationship with your growing community and the only way we can do this is by delivering high quality projects within both the allotted time-frame and project budget.

We thank you for taking the time to consider our team. We are available to answer any questions that you may have.

Best Regards,

Todd Chandler, PE

Contact Information:
Todd Chandler, PE
Southwest Missouri Practice Leader
(417) 320-6065
todd.chandler@cpwgengineering.com

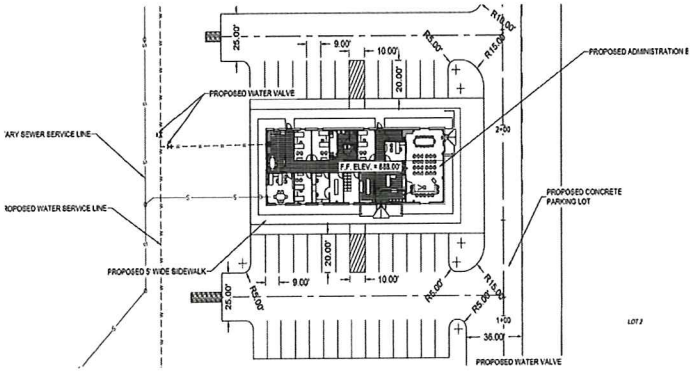
Experience in Required Work

Cribb Philbeck Weaver Group, Inc. (CPWG) was established in 2004 and is a seasoned engineering firm. We are a multidisciplinary team consisting of engineers, planners, landscape architects, designers, scientists, surveyors, general contractors, and construction inspectors ready to assist you.

CPWG has a proven record of furnishing quality and cost-efficient professional civil engineering services to municipalities. We have the experience and are prepared for the specific challenges that may arise during a continuing engineering contract.

CPWG is large enough to meet your needs and small enough to remain responsive. We currently have thirty employees: seven (7) licensed Professional Engineers, two (2) Engineering Interns, three (3) CADD Designers, two (2) licensed General Contractors, two (2) Transportation Planners, three (3) licensed Surveyors, two (2) Surveyor Assistants, three (3) licensed Landscape Architects, two (2) Project Managers, and five (5) administrative support.

Taney County Regional Sewer District Administration Facility, Branson, MO



Project. CPWG is working with Treat Architects to design 2 new buildings for Taney County Regional Sewer District. Our engineers are responsible for the development of construction plans incorporating the site plan, utility plan, detention pond plan, and grading plan. The CPWG team will also assist with bidding administration, specifications development. bid opening, and assisting the client with contractor selection.

Interaction. Our team has facilitated a series of meetings with stakeholders from the Taney County Regional Sewer District to make sure the end user gets a facility that can serve both its current needs and anticipated future needs. Our team has been working diligently to achieve the client's schedule while adhering to the project design budget.

Hollister Police and Public Works Facility, Hollister, MO

Project. CPWG is working with Treat Architects to design a new facility to house the City of Hollister's Police and Public Works departments. The project includes 20,432 square feet of building construction consisting of a combined Police Station and Public Works office building that is 9,632 square feet and a Public Works Maintenance Facility that will be 11,925 square feet. Construction for the buildings will likely begin in the latter half of 2019 on the 4 acre site. The CPWG team is responsible for the civil design including overall site plan, grading, utility plan, and storm water design including storm water detention. In addition, CPWG is providing landscape architecture to create a facility that the City's Police and Public Works Staff can be proud of.

Interaction. Our team has worked closely with staff members from the City of Hollister to ensure they get a facility that meets their current needs and can be easily expanded to meet their future needs based on anticipated growth. This was primarily accomplished through several rounds of meetings with all of the key stakeholders to identify the needs and wants for the facility. Following each of these meetings, our team would update the project documents and schedule additional meetings to provide the revised design as well as identify any potential value engineering items.

Public Improvement Plans for Summit Ridge Sanitary Sewer for City of Branson

Project. CPWG engineers designed water and sewer lines to serve a community development of 24 duplexes located in the Branson Hills Development.

Water and Wastewater. The design included approximately 1,500 linear feet of 8" waterline and 2,800 linear feet of 8" gravity sewer lines with 15 manholes connecting to an existing manhole. Our team worked with City Staff and the Developer to provide the plans required to issue construction permits and construct both the water main and sewer main extensions required for the development. The plans were designed in conformance with the latest City of Branson and PWSD #3 Design Criteria.

This project also required permitting both the water main and the sewer main through the Missouri Department on Natural Resources.

Public Improvement Plans for 248 Parkway Sanitary Sewer Extension

Project. CPWG designed plans for a waterline and sewer line extension to serve a new commercial development located on Highway 248.

Water and Wastewater. The project required extending the public 8" gravity sewer main approximately 830 linear feet and was designed per the City of Branson Design Criteria. In addition to the sewer main extension, this project involved the extension and upgrade of the existing 8" water main to a 12" water main designed per the PWSD #3 design requirements. This also required permitting the water main extension project through the Missouri Department on Natural Resources.

Public Improvement Plans for The Lodges at Chateau Cove Sanitary Sewer Relocation

Project. CPWG designed a public sewer main to serve a vacation rental community development of 43 lodges located on Table Rock Lake with access from State Highway 265. In addition to the public improvements portion of the project, our team has provided site design including grading plans, roadway plans, utility plans, and storm water plans required for obtaining construction permits from the City of Branson.

Water and Wastewater. The design included approximately 800 linear feet of 8" gravity sewer main designed per the City of Branson Design Criteria. Our team worked closely with both City Staff and the developer team to provide sewer service to the proposed development.

CPWG On Schedule Design Completion

We are Committed to Working Within the City's Schedule.

Schedule Development. Proper scheduling, combined with timely completion of tasks and subtasks is of critical importance in any project. CPWG develops easy to follow schedules to define project milestones, major tasks, and phases. Scheduling will be accomplished with the assistance of Smartsheet or a similar scheduling program.

We employ the Critical Path Method (CPM) to ensure that tasks with minimal or no slack times are prioritized and resources are focused to ensure the task is completed on time. Furthermore, our scheduling will reflect the use of float time to ensure on-time submittals to the City even in the event of an unforeseen delay of a critical path item.

The schedule will be approved by the City and distributed to the Design Team. The City will be provided a link to access the current schedule in real time. Each discipline and sub consultant manager will provide a weekly update as to the status of the work project. The update will be based on completed milestones, not a percent spent or other subjective means. Any deviations in the established schedule will be noted and corrective actions taken while the schedule deviation can still be easily corrected.

The following projects illustrate the steps taken by the CPWG design staff to keep the projects on schedule:

Taney County Regional Sewer District Administration Facility, Branson, MO

Project. CPWG is working with Treat Architects to design 2 new buildings for Taney County Regional Sewer District. he client with contractor selection.

Schedule Adherence. By using Smartsheet and tracking against the project expenditures to date, we are able to compare the actual work complete to the percentage of the design budget expended to date to make sure this is a successful project for the Taney County Regional Sewer District.

Hollister Police and Public Works Facility, Hollister, MO

Project. CPWG is working with Treat Architects to design a new facility to house the City of Hollister's Police and Public Works departments.

Schedule Adherence. Our team is utilizing Smartsheet to ensure the project schedule is adhered to and any issues are identified well in advance allowing the City and Design Team to take appropriate measures to keep the project on schedule.

Pass-A-Grille Way Phase II, Sewer Main Project Design, St Pete Beach, FL

Project. CPWG conducted a utility and roadway feasibility study and then designed improvements along Pass-a-Grille Way between 1st and 18 Avenues. Potable water, wastewater, and reclaimed water lines along the entire corridor were replaced.

Water and Wastewater. CPWG designed 2,900 linear feet of new gravity sewer main improvements and lining for an additional 2,200 linear feet. The design included new laterals, lined manholes and connections to pumps stations. All potable water, and reclaimed water lines along the corridor were replaced.

CPWG On Schedule Design Completion

Schedule Adherence. The design team worked with our construction experts and City staff to determine design issues that could potentially have impacted the construction schedule. This review allowed the team to develop Value Engineering techniques to reduce conflicts and avoid redundancies before construction began.

This $10.8 million project was successfully designed within the City's budget. The project construction is currently on schedule.

Downtown Trailhead Improvements, Winter Haven, FL

Project. The Downtown Trailhead for the Chain of Lakes Trail connects with the adjacent Transit Station and City Hall. The project provides amenities for downtown revitalization, parking for civil events, and an enhanced downtown greenspace. The project included entry drives, two parking lots, stormwater management design, project permitting, and cost estimates.

Water and Wastewater. The design included site utilities, water and sewer connections for the park's restrooms, splash pad and irrigation system.

Budget Adherence. The CPWG team used their extensive knowledge of construction materials and methods to reduce overall construction costs. A construction review during the design phase identified potential issues early, minimizing construction change orders.

North Lake Community Park, Lake County, FL

Project. CPWG's civil design team prepared all construction documents and permitting associated with the North Lake Community Park's septic system, potable water system, entrance road, two driveways, three parking lots (750 spaces), athletic fields and playgrounds.

Schedule Adherence. The CPWG team met biweekly with the County staff over a period of three years to discuss project milestones and issues. Project phases were all completed on or ahead of time.

CPWG On Budget Projects

CPWG is Committed to Working Within the City's Budget

CPWG has an excellent track record with budget management. We believe that early planning is key to keeping projects moving forward, within budget, and finding issues before they occur.

Project Cost Controls. Internal costs are monitored weekly against the budgeted amount and the spent amount. Adjustments are made early to avoid budget overruns at the end of the project. Estimated project construction costs are compared against the budgeted costs to ensure the bids received are within the City's budget.

In our approach to managing projects at CPWG, we promote the seamless interaction of our Design Phase professionals with our Construction Phase professionals from the start of a project through project close out. In this approach, our Project Manager, General Contractor, Construction Manager and the construction phase staff will be involved with the design process through constructability reviews, value engineering studies, construction cost estimates, and bid document preparation.

Reciprocally, Todd Chandler, the project manager and his design phase staff will be involved with the construction process by reviewing shop drawings, responding to Contractors' requests for information, analyzing change order requests, and reviewing as-built drawings.

CPWG On Budget Projects

The following projects illustrate the steps taken by the CPWG design staff to keep the projects on budget:

Hollister Police and Public Works Facility, Hollister, MO

Project. CPWG is working with Treat Architects to design a new facility to house the City of Hollister's Police and Public Works departments.

Budget Adherence. The team has been working diligently to achieve the client's schedule while adhering to the project design budget. By using Smartsheet and tracking against the project expenditures to date, we are able to compare the actual work complete to the percentage of the design budget expended to date to make sure we stay on budget. This helps to identify any potential items that may be out of scope as soon as they occur and not at the end of the project.

Lake Lawne Stormwater Retrofit Orange County, Florida

The CPWG project design included a Regional Stormwater Facility and improvements to Barnett Park. The design won the 2019 Florida Stormwater Association Project of the Year.

Budget Adherence. CPWG investigated Value Engineering options to reduce the construction cost of the project and provide an more accurate cost estimate. The project was completed well below the original budget estimates.

Camp Joy and Water Main Extension Low Pressure Sewer System Design, Orange County, Florida

Project. CPWG designed a low pressure sanitary system removing Camp Joy from a septic system and connected Camp Joy to the City of Apopka's central sewer system.

Water and Wastewater. The project included the design of a water main extension to provide potable water connection for the camp. The design included 2,700 LF of 4" SDR-21 water main pipe and connections.

Budget Adherence. CPWG reduced the project budget by conducting a feasibility study prior to beginning the design phase. This allowed the design team to determine the available capacity, pipe lengths, lift station location, connection parameters and an Engineer's cost estimate early in the process.

Pass-a-Grille Way Infrastructure Upgrades, Phase I, St. Pete Beach FL

Project. Designed improvements along Pass-a-Grille Way (approximately 5,000 linear feet). The infrastructure reconstruction included updated bicycle lanes, improved pedestrian safety infrastructure, and resurfacing of the roadway.

Water, Wastewater, Reclaimed Water: The potable water and reclaimed water lines along the corridor were rerouted and replaced. The existing wastewater manholes and sewer lines were replaced or lined. New laterals and connections to pump stations were included.

Budget Adherence. This $11.5 million project was successfully completed within the City's budget. Numerous Value Engineering techniques were applied during the design phase to combine multiple projects and find solutions to the area's recurring flooding issues.

Dr. Phillips Community Park Orlando, Florida

Project. CPWG designed site improvements including the lift station design, wastewater design, potable water design, stormwater design site grading, roadway and parking design, wetland environmental issues, and permitting.

Budget Adherence. CPWG used advances conceptual design software to identify potential design issues. Value Engineering techniques were applied to develop alternative solutions to allow the design to meet the project's requirements while staying within the budget.

Quality Assurance/Quality Control

Quality Assurance/Quality Control

Everyone at CPWG understands the importance of Quality Assurance/Quality Control as a method for producing work of high quality, accuracy, and completeness. Our team understands and recognizes that we are responsible for our own QA/QC and take pride in delivering a product to our clients that meets the requirements of the scope and needs of the project. As such, we have procedures in place for individual employees, our sub-consultants, and CPWG as a company. These procedures require that all project team members be responsible and accountable for the accuracy and completeness of the work they produce.

Procedures for Quality Control.

Communication will be maintained with the City and with sub consultants through weekly telephone calls and progress reports. Progress meetings with the City will be held bi-weekly or as needed. Progress meetings with sub consultants will be held as needed to accomplish the work. As part of our management plan, CPWG will provide a two level quality control review, in which both a civil engineer and a construction specialist will be assigned to review the design and construction documents prior to release to the City and/or the contractor to ensure quality of design integrity, technical quality and cost effectiveness of the design.

Our Quality Assurance Program will incorporate, at a minimum, the following elements: 1) use of experienced personnel; 2) team approach; 3) company principals; 4) team coordination and strong communication; 5) continual project planning; and 6) strong team reviews with the City's staff.

We want to be a part of this Contract and we will work hard for the success of the City on this project.

The CPWG QA/QC Process

QA/QC is an integral aspect of technical control that is built into the work process. We implement a rigorous QC plan that includes training key project personnel to ensure their work is the highest level of technical quality, thoroughness, and accuracy. We believe this is critical to providing our clients with the highest quality work product.

Our Branson office utilizes Bluebeam Studio for QA/QC of the projects. This keeps a record of all comments received and how the comment will be addressed. When the QA/QC process is complete, a PDF containing all comments and responses is created and saved with the project documents. This information can be provided to the City to verify the QA/QC process has been completed.

- The Engineer of Record (Originator) will deliver a completed set of plans to the Independent Professional Engineer (IPE), who will check the plans. Multiple IPE/ Checkers may be reviewing specific disciplines or aspects of the plans.
- The IPE (Checker) will review the plans. Everything approved will be highlighted in yellow. A comment in red may be placed on the plans if there is question or clarification requested of the EOR.
- The EOR will review the plans for concurrency with the comments. A blue check mark or a note will be placed by the Red comment.
- The Project Designer will make the changes approved with a blue check mark and highlight with orange when complete.
- The project EOR will verify that changes have been made and comments have been addressed. A green highlighter mark will indicate that changes have been made to the plan.
- Once all comments have been addressed, final draft plans will be prepared.
- All reviewed plan sets and comments will be maintained as part of the project file.

CPWG Project Approach

CPWG Project Approach Elements

City Participation. One of the most important aspects of any project is client participation. CPWG believes in and encourages interaction between its staff and the client personnel involved in the project. This is extremely important because the City's personnel know the problems specific to the City, and have great ideas regarding potential solutions.

Through constant personnel interaction, CPWG will provide a means to obtain these solutions in a manner consistent with the City's needs and wishes. CPWG's staff endeavor to visit the project site with City personnel prior to scope preparation to gain a full understanding of the project at a very early stage. Furthermore, we will revisit the site throughout the design and construction phases and maintain frequent contact with City staff to ensure that the project meets the City's expectations.

Management Plan. CPWG's Management Plan for any project is focused on the structured management of the individual disciplines based on a common defined project approach to create an exceptional product, maintain constant communication, and exceed expectations.

The first objective of the CPWG Management Plan is to clarify the goals and objectives set forth by the City for a project. Based on the defined goals and objectives, work assignments will be subdivided into separate tasks, between responsible individuals of the team. Each task will then be assigned a schedule with intermediate and final completion dates to allow sufficient in-house review time before submitting a product to the City. We will start the project as soon as we are given Notice to Proceed and will spare no effort to provide submittals to the City on time. We will commit the staff and resources required to complete each project in a timely manner.

We believe that the key to a successful Management Plan is clear, strong leadership. Mr. Chandler will provide this leadership to the team. He will be directly responsible for CPWG design staff assigned to the project as well as any sub-consultants, if required. He will serve as the contract administrator throughout the course of the project and will maintain clear and constant communication with the City's Project Manager in an effort to consistently meet or exceed the City's needs.

CPWG Civil Engineering Project Cycle

Reconnaissance Phase	Feasability Phase	Preminary Design Phase	Final Design Phase	Construction Related Services
• Site Evaluation/Visit (as needed) • Scope Development • Fee and Schedule Development • Negotiation with Client • Project Team Kick-Off - Scope Management - Risk Management - Team Responsibilities - Communications Plan - Quality Control Plan	• Project Management • Regulatory Due Dliigence • Schematic Design • Engineering Study (as needed) • Environmental Assessment • Site Investigation • Data Collection • Data Analysis/Report • Survey (as needed) • Probable Construction Cost Estimate	• Project Management • Preliminary Site Design • Design of Project Layout Features • Systems Operations Modeling • Probable Construction Cost Estimate Update • Design Calculations • Permitting • Geotechnical Survey • Additional Survey (as needed)	• Project Management • Geotechnical survey • Geotechnical analysis • Final Design Calculations • Final Design • Final Reports • Project Operating Manual • Probable Construction Cost Estimate • Bidding Assistance	• Project Management • Project Commissioning • Project Start-up • Correspondence and Submittal Review • Construction Observation • EOR Site Visits • Design Changes (As Needed) • Monthly Meetings • Monthly Activity Reports • Project Closeout

CPWG Project Approach

To achieve this level of communication, a Project Management Document will be issued to each individual associated with the project. This document outlines the project description, scope, basis of design, the design team, organization chart, directory of personnel, schedule with defined deliverables, and the quality control plan. This allows each team member to understand how the individual pieces fit together, the schedules, immediate deliverables, and ultimate deliverables. Through this system, a quality product will be produced on time or ahead of schedule.

Feedback. Constructive criticism regarding items such as clarity, accuracy, completeness, guidelines, etc., will be documented and copied to all appropriate personnel of the design team. Any follow-up corrective activity required will be noted and initiated as appropriate.

Specifications. The CPWG Project Manager will coordinate with the City's Staff to incorporate the technical documents into standard bid documents for delivery to the Purchasing Department for release to prospective bidders. Our team will be available to participate in the pre-bid conference, bid opening, provide support to City staff while tabulating, reviewing, and evaluating bids as well as providing bid award recommendations based on the needs of the City of Branson.

Cost Estimate. After approval of the 90% submittal, the CPWG Team will prepare the 100% plan drawings, job specific specifications and final quantity takeoffs for development into the Final Cost Estimate. Cost Estimates are based on recent general contractor quotes on local projects and RS Means software, as appropriate. **Our cost estimates are generally with 10% of the bid price.** With approval of the City of Branson, the quantity take-offs completed for the Final Opinion of Probable Construction Costs will be utilized for the bid quantities.

Obtaining the Required Regulatory Permits. The CPWG staff have been providing civil engineering services to communities similar to Branson for many years. Through these years of experience, we have gained an in-depth understanding of the regulatory framework and a working knowledge of how to successfully traverse the permitting labyrinth.

Maintaining clear concise communication and a strong working relationship are the mainstay of our permitting philosophy. We believe that pre-application meetings greatly improve the reviewer's understanding of the project and consequently improve the likelihood that the permit will be approved on the first submittal.

We know which permits a project requires, so none are forgotten until the end.

Public Involvement. CPWG can help establish an extensive Public Involvement Program very early in the Preliminary Design Phase. The education and awareness of the City's constituents is raised through neighborhood meetings, project brochures, monthly progress updates or website updates. These efforts increase the public's understanding and preparedness for the anticipated inconvenience. Active communication, both presenting information and listening to questions and concerns, make the residents feel that they are an active part of the design, the construction, and most of all, the decision making process.

CPWG Project Approach

Lift Station 17 Force Main Replacement

The CPWG team will begin working on this project immediately following receiving Notice to Proceed from the City. The first task for the team is to set up a kickoff meeting with City Staff to discuss the goals of the project as well as identify any challenges. Due to this being a new alignment, our team will work to create an alignment that will involve coordination with as few property owners as possible since several of the properties along the concept alignment are owned by the same group. This will help reduce any potential delay by creating an alignment that we can minimize the parties required to provide easements.

Our local team will work directly with the adjacent property owners to answer their questions as well as identify any potential setbacks. We will participate in a series of neighborhood walks to get feedback from the stakeholders that we can use during the final design phase.

Our team will utilize the information from the aerial LIDAR survey by working in conjunction with Curtis Copeland to ensure we are using the best information available. We will use this information to develop preliminary alignments to ensure our team provides the best solution for the City.

Once agreements are in place for the easements required to build the force main, we will survey the proposed alignment using local surveyors in order to ensure the design will be based on field collected information. This will minimize the potential for costly change orders.

Our team will provide review plans to City Staff at 30%, 60%, 90%, and Final Plan milestones to ensure the City is able to provide input on progress as well as track budget and schedule for this important project. Our team recommends that any required utility relocations start once the city has provided review comments for the 60% plans in order to avoid costly delays in construction. This will ensure the design is far enough along in order to identify all utility relocations that will be required for installation of the force main.

After each of the milestone submittals, our team will review and address any and all comments from City staff and will host review meetings between the CPWG design team and City Staff to make sure comments are being addressed properly.

Once we have received final approval from City Staff for the design plans, our team will work closely with City Staff to compile the documents required for bidding including the front end documents, signed and sealed drawings, technical specifications, job-specific specifications, and Engineer's Estimate of Probable Cost. Our team will assist City Staff during the entire bidding process by promptly answering questions from contractors, managing the preparation of and attending a pre-bid conference, attending the bid opening, and tabulation of bids received.

Our team will continue to assist City staff during the construction phase. We will provide prompt responses to any questions generated during construction of the project, review and approve shop drawings submitted by the Contractor, and

provide any technical assistance as requested by City Staff. Our local staff will perform periodic site visits during construction to ensure the contractor is meeting the design intent of the project and in compliance with the contract. Our team will also keep a record of any changes that occur during construction that will be documented in the as-built drawings.

Once the Contractor is substantially complete, the Engineer of Record for the project will conduct a field review to include generating a punchlist detailing the items required to be corrected before the City provides a statement of substantial completion to the Contractor. Our team will also provide the City with as-built record drawings in both AutoCAD format as well as PDF.

Spring Creek Neighborhood Water and Sewer System Upgrades

The CPWG team will begin working on this project immediately following receiving Notice to Proceed from the City. Our team also understands that the City of Branson may decide to prioritize one project over another based on the available budget so our team is more than willing to be flexible with scheduling. Assuming the City of Branson is able to fund design activities for both projects concurrently, CPWG is adequately staffed to design both of these projects locally.

Due to the close proximity of the projects and nature of construction, our team recommends combining the water and sewer system upgrades for the Spring Creek Neighborhood. This approach will save the City on the construction costs as well as ensure that each property owner is impacted the least amount of time possible. By combining the two separate projects into one, the project will be more appealing to bidders which will result in more contractors bidding the project which will likely bring cost savings to the city while reducing the disruption on the adjacent property owners.

Our approach to this project will not differ from the approach for the Lift Station 17 Force Main Replacement project. Todd Chandler will be the Project Manager and Single Point of Contact for both of these projects in order to maintain consistency in the approach and deliverables for these projects. Todd will also serve as the Engineer of Record for the design of both of these projects since the design will be performed entirely in our Branson office.

CPWG prides itself in providing a quality "total solution" package to our municipal clients. We accomplish this through four distinct mechanisms: quality, timeliness, flexibility and value. We have developed a time tested Quality Assurance Plan (QAP) to meet the goals of each of these mechanisms. We believe that quality is foremost and it cannot be compromised. Our QAP covers four important areas of quality assurance: 1) Assigning team responsibilities with individual accountability, 2) Formal internal review procedures to ensure compliance with scopes, standards, and codes, 3) Internal tracking and weekly coordination to prevent delays and errors, 4) Periodic overview of products, internal processes, team performance, and client feedback to ensure continued optimum performance and client satisfaction.

AT THE READY.

CPWG References

City of Hollister

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CPWG Value Engineering Procedures

Our Team Understands the Local Environment

CPWG Engineering has a locally staffed office located just up the street from Branson City Hall with two full-time licensed Professional Engineers (PE) ready to help with any of the City's engineering needs. Our local team is currently working with City staff on several projects in the Branson area to ensure the projects meet the city's requirements for private development projects within city limits. Precious time and money will be saved when gathering data for projects simply by being familiar with the roles of each member of the City staff.

Schedule Monitoring Via Smartsheet

We use Smartsheet to create easy to follow schedules that clearly indicate critical path tasks and project milestones (kick-off meeting, submission dates, bidding and contract award, construction start and end, etc.). It also includes a breakdown of all tasks to be performed and their relationship to the critical path tasks. Our team works together to assure that the project is executed on time and within budget. By keeping the project on schedule, the cost of delays and overruns are reduced or eliminated. Our Project Manager monitors the project's progress and identify potential issues before they occur.

Constructability Reviews

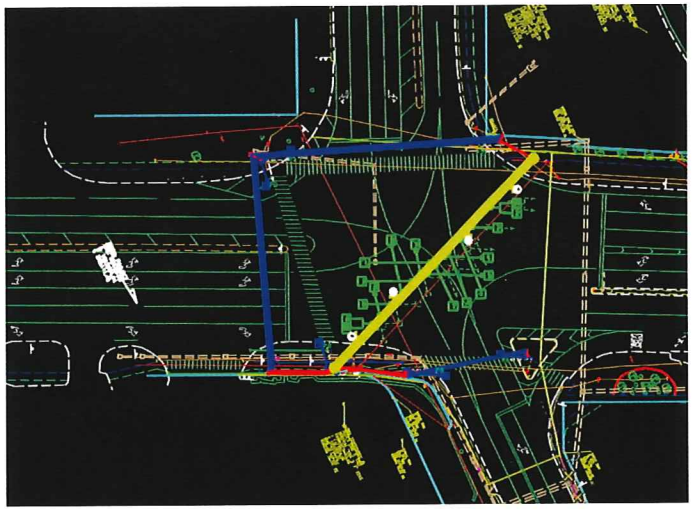
At CPWG, the company directly employs construction personnel as part of CPWG Constructors. Our staff are well versed in underground utility construction projects including how to address projects requiring a significant amount of utility relocations. We provide "outside the box" solutions to common problems associated with projects similar to this. Our construction personnel will review the proposed design plans as part of each milestone submittal and provide recommendations that are often overlooked by design engineers. This level of review will help reduce change orders that end up costing both time and money.

Grant Assistance

CPWG has 15 years of experience preparing, submitting, acquiring, and managing grants.. We have obtained over $75 million in grants for our clients. CPWG can provide assistance with trying to secure a wide range of grants.

At the beginning of each project there will be a project team meeting to brainstorm solutions regarding funding with an emphasis on aligning the project with City and other agency goals. The team will make a conscious effort to actively look for solutions to projects which facilitate the use of alternative funding mechanisms.

We Design Plans in Autodesk Civil 3D Software



CPWG utilizes Autodesk Civil 3D design software to develop engineering plans with cutting edge technology. This software allows the design team to build a software model and review the construction documents in 3D. Autodesk Civil 3D can assist in determining conflicts between the utilities, roadway, drainage, landscape and other parts of the plans. Using this process significantly reduces the number of change orders during construction providing financial savings on the total project.

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