

**Action Requested/Required:**

- ☒ Vote/Action Requested
☒ Discussion or Presentation Only
☐ Public Hearing
Report Date: _____
Hearing Date: _____
Voting Date: _____

Department: Community Development**Presenter(s) & Title:** Bethany Watson

City Engineer

Agenda Item Title:

Discussion and Possible Action on Atkins Task Order 26 for Riverstone Parkway, Mid-Block Crossing Design and Construction Services in the amount of \$142,950.00

Summary:

Upon receipt of GDOT comments on the original warrant study completed by Atkins on the Riverstone Parkway, Mid-Block Crossing, additional information was requested that was not in the original scope of the warrant study analysis. Atkins has prepared a proposal that covers both the remaining warrant study requirements, as well as survey, signal and roadway design, permitting, bid assistance and construction management services.

Budget Implications:Budgeted? ☒ Yes ☐ No ☒ N/ATotal Cost of Project: \$ 142,950.00 Check if Estimated ☐Fund Source: General Fund ☐ Water & Sewer ☐ Sales Tax ☒ Other: _____**Staff Recommendations:**

Staff recommends award of Task Order 26 to Atkins for Riverstone Parkway, Mid-Block Crossing Design and Construction Services in the amount of \$142,950.00

Reviews:Has this been reviewed by Management and Legal Counsel, if required? ☐ Yes ☐ No**Attachments:**

Proposal
Task Order 26

November 21, 2022

Ms. Bethany Watson
City Engineer
110 Academy Street
Canton, Georgia 30114

RE: Proposal for Riverstone Parkway, Mid-Block Crossing

Dear Ms. Watson,

Atkins is pleased to have the opportunity to provide this proposal to the City of Canton for the Surveying, Pedestrian Signal Design, Civil Engineering, Permitting, Bid Assistance and Construction Management Services for the Riverstone Parkway, Mid-Block Crossing project. As part of these services Atkins proposes to provide the following services.

Task 100 Survey Services

Atkins survey will prepare a detailed topographic survey, right-of-way survey, and locate all above and underground utilities along Riverstone Parkway. Approximate survey limits: 1,700 linear feet along Riverstone Parkway. The corridor width will extend approximately 10-feet outside the r/w of Riverstone Parkway.



1. Primary Control

- a. This is a new Atkins Survey project. GPS control points will be established using VRS, CORS, and OPUS.
- b. Mission Planning for GPS is not included in this scope as GPS will be processed through CORS or OPUS.
- c. A GPS baseline will be established. Once the baseline is established, a conventional traverse will be run along the corridor.
- d. Run GPS Sessions in the field

- e. GPS of photo control will not be necessary as all survey work will be field run
- f. Compute Primary Field Control using Trimble Business Center
- 2. **Secondary Control**
 - a. Set spur points for scanning the roadway
 - b. Establish Benchmarks & Run Levels (Estimated 4 Benchmarks)
 - c. Compute Horizontal & Vertical Traverse using least squares adjustment
- 3. **Supplemental Surveying**
 - a. Courthouse property research will be for properties within the survey limits.
 - b. Property owner notification letters will be generated and mailed to the addresses specified in County public records. Letters will also be given to the survey crew for distribution owners/occupants on site.
 - c. Property corner evidence will be located for the sides of properties which abut the roadway for each of the approximately one parcel. Property lines will be resolved based on field located evidence and the accompanying deeds or plats found in the Cherokee County Public Records. Full property surveys will not be done; however, the surveys will be conducted in accordance with standard Georgia Department of Transportation (GDOT) specifications. Easements within the corridor will be defined where possible based on documentation found in Fulton County Public Records
 - d. Employ non-intrusive geophysical technologies to designate the existence and horizontal positions of known and unknown utilities at the site. A combination of GPR and EM technologies will be used across the survey corridor to locate traceable utilities. Untraceable fiber optic lines (dark fiber), plastic irrigation lines, and some types of water piping may not be traceable and will not be shown on the survey.
 - e. Field survey the area outlined in the image on page one. Atkins survey will provide a detailed as-built survey that will all planimetric features fences, buildings, dugouts, etc. The survey will be sufficient in detail to generate contours at 2-foot intervals.
 - f. Tree location – Hardwoods and Softwoods 18" and greater, Understory trees 6" and greater.
 - g. Survey shall include all existing above grade and overhead utilities, storm drainage, existing public improvements (including power, telephone, cable, gas, water, sewer, fiber optic lines, fire hydrants, etc.). The survey shall include underground power, telephone, cable, gas, or water lines marked as part of the utility designation efforts. Survey shall locate and identify all built and non-built features including but not limited to: curbs, pavements, walls (identify height, material) fences, signs, poles, vaults, meters, valves, manholes, and all other site features. Inverts, top elevations, and pipe sizes and material will be provided on all sanitary and storm sewer structures within the survey area and all pipes leading to or from the project area.
 - h. Provide 2-foot contour intervals and topographic elevations at critical spot elevations for the entire project area. For both the sidewalk and roadway areas, provide spot elevations at center of road, top and bottom curb, and face of building (where applicable) every 50 feet along the length of project roadways and for 50 feet in both directions for all side streets. In addition, provide shots at entrances into parking lots, at each cross street and at each curb cut (handicap ramps, driveway, etc.). Identify types of pavement surfaces in both the walkway and street.
 - i. Provide the location of existing pavement striping, including the centerline of the street, location and width of each travel lane.

Survey data will be provided in MicroStation format. Final deliverables will include the following: a topo.dgn, prop.dgn, utle.dgn, a DTM file, and an alg file.

Data will include 2-foot contours, spot elevations, improvements and descriptions of those improvements, property lines and parcel owner information, and control point locations and coordinate information for contractor use.

Task 200- Prepare and update GDOT Traffic Report

On October 18, 2022, Atkins received GDOT comments on the Preliminary Riverstone Parkway, Pedestrian Mid-Block Crossing report. GDOT has requested additional documentation to support the Pedestrian Mid-Block crossing on Riverstone Parkway. The proposed task and fees will address GDOT recent comments and provide the additional information they have requested, to submit for final review and approval of the Riverstone Parkway Pedestrian Mid-Block Crossing.

Task 300- Signal Design Services

Atkins shall provide Signal Design Services for the intersection of Riverstone Parkway, Pedestrian Mid-Block Crossing report. The design will be completed in accordance with GDOT Traffic Signal Standards. The proposed Signal Design Services include the following:

1. Preliminary Signal Design Plans (60%) including materials and quantities
2. Utility Coordination
3. Submit Preliminary Signal Plans to City for review
4. Respond to City comments
5. Prepare Final Signal Design Plans (100%) including materials quantities
6. Prepare Specifications and Special Provisions for project
7. Coordinate with District 6 for signal permit
8. Atkins QAQC of Final Design
9. Finalize plans for bid

Task 400- Roadway Design Services

Atkins will prepare Riverstone Parkway, Mid-Block Crossing project improvements at this location shall include: The construction documents will consist of 60% and 100% submittals to the City for their review and approval. The following Design Plans shall be prepared:

1. Cover sheet
2. Digital base for the project will be from the prepared boundary and mapping information provided with this project. Site development plans will be prepared in a Computer-Aided Drafting and Design (CADD) format.
3. Coordination with the applicable permitting agencies (City of Canton)
4. Demolition Plan
5. Site plan for proposed work improvements including pedestrian refuge median
6. Cross Sections,
7. Since the disturbed area will be less than one acre; therefore, a three-phase erosion control plan is not required.
8. Technical specifications in the form of notes on the plan sheets
9. Design will be in accordance with the local municipal requirements
10. Final Erosion Control Plans and Details
11. Final Cost Estimate of proposed improvements

Task 500- Bidding Phase Services

During Contract Bid, Atkins will provide the following services:

1. Assemble a complete set of contract documents marked "Approved for Construction."
Provide the City with up to four sets of final plans and specifications marked "Approved for Construction."

2. Attend a pre-bid meeting with contractors to discuss the project and to issue an addendum
3. Attend bid opening
4. Tabulate bids and provide guidance based on the competitive bid process and City requirements

Task 600- Limited Construction Management Services

Construction Management Services shall include periodic review and observation, of the construction contractor's work. Based on such review and observations, Atkins will keep the City of Canton informed of the progress and apparent overall quality of the work. In addition, Atkins, will assist the City with review of Contractor Pay Request and Payment. The following services will be included in the construction phase:

1. Attend a pre-construction conference
2. Review and process required contractor submittals
3. Review and process of contractor pay requests and change orders
4. Prepare clarification on drawings and proposed improvements as necessary
5. Visit the construction site periodically during construction activity. Visits will be as Consultant deems necessary and generally not more than one occurrence per week.
 - a. Observing subgrade construction
 - b. Observing base construction
 - c. Observing paving
 - d. Reviewing Geotechnical test results
6. Attend monthly progress meetings with the City of Canton and the Contractor
7. Provide substantial inspection and final punch list and close out of the project

Professional Fees for Proposed Services

Atkins proposes to provide the scope of services for the Design Services for Riverstone Parkway, Pedestrian Mid-Block Crossing project. The proposed Professional Fee's for each of the Tasks will be provided based on our normal hourly rates for a Not to Exceed Fee Amount. Invoices are mailed monthly and are due within 30 days. Any additional services requested by the Client that are not specifically identified in the above scope of services will be invoiced at our standard hourly rates in accordance with **Attachment B**. Reimbursable expenses for the project, such as printing, photography, reproduction, couriers, travel, mileage, etc., will be billed in addition to the professional fees to the City. The proposed Fees for the services indicated in this scope of work includes:

Proposed Fees for Reinhardt Parkway and Reservoir Road Improvements

Task 100- Survey Services	\$ 32,500.00
Task 200- Prepare GDOT Traffic Report	\$ 9,500.00
Task 300- Signal Design Services	\$ 22,500.00
Task 400- Roadway Design Services	\$ 49,500.00
Task 500- Bidding Phase Services	\$ 6,610.00
<u>Task 600- Limited Construction Management Services</u>	<u>\$ 20,340.00</u>
Proposed Design Fee -Estimated Hourly Fee	\$140,950.00
<u>Estimated Expenses</u>	<u>\$ 2,000.00</u>
TOTAL PROPOSED FEE	\$142,950.00

Proposed Schedule

Atkins' anticipates that it will take approximately 6-7 months to successfully complete the construction documentation and permitting approvals and approximately 8 months to complete the advertisement, bidding, and construction of the project.

Assumptions/Exclusions

Atkins has identified the following Assumptions and Exclusions for this project. The following services are not currently included in the current scope of services.

1. Preparation of a Hydrology Report and Water Quality Analysis. A stormwater letter will be prepared that describes the overall impact. It is not anticipated that any improvements will be required.
2. Right of way acquisitions services.
3. Revisions to drawings and/or specifications previously approved by the City of Canton.
4. Sanitary sewer, and/or utility design or relocation services.
5. Material testing services during construction
6. Electrical lighting design services
7. Analysis of the existing storm system, including Jet Vac, Video of existing lines
8. Environmental Services or Permitting
9. Land Disturbance is anticipated to be less than one acre, a set of 3 Phase Erosion Control Plans is not anticipated

Thank you for the opportunity to provide this proposal for Riverstone Parkway Mid-Block Crossing. Should you have any questions or require additional information, please do not hesitate to contact me at 770.933.0280 or by email at john.boudreau@atkinsglobal.com

Sincerely,

John D. Boudreau, RLA
Project Director



Atkins North America, Inc.
1600 RiverEdge Parkway, NW, Suite 700
Atlanta, Georgia 30328
Telephone: +1.770.933.0280
www.atkinsglobal.com/northamerica

Attachment 'B' – Standard Hourly Rate Schedule
(Effective through 3-31-23)

<u>CLASSIFICATION</u>	<u>HOURLY RATE</u>
Project Principal	\$ 260.00
Project Director	\$ 215.00
Senior Project Manager	\$ 210.00
Senior Engineer IV	\$ 195.00
Senior Engineer III	\$ 175.00
Senior Engineer II	\$ 160.00
Senior Transportation Engineer	\$ 155.00
Senior Designer/CADD Tech	\$ 150.00
Senior Engineer I	\$ 124.00
Engineer III	\$ 118.00
Engineer II	\$ 112.00
Engineer I	\$ 100.00
Survey Technical Director	\$ 205.00
Registered Surveyor	\$ 165.00
Sr. Surveyor	\$ 135.00
Survey Party Chief	\$ 100.00
Survey Instrument Operator	\$ 60.00
2-person Survey Crew	\$ 155.00
3- Person Survey Crew	\$ 196.00
Survey CADD Tech	\$ 100.00
Senior Landscape Architect IV	\$ 180.00
Senior Landscape Architect III	\$ 155.00
Senior Landscape Architect II	\$ 135.00
Senior Landscape Designer	\$ 125.00
Landscape Designer	\$ 90.00
Senior Construction Inspector	\$ 160.00
Senior Designer I/GIS Operator	\$ 145.00
CADD/GIS Operator	\$ 88.00
Operations/Admin Coordinator	\$ 68.00
Mileage per the Federal rates in force at the time of service	0.62/mile
Survey Truck Rental Fee	\$ 48.00 per day
Reproduction charges (in-house):	
Color Plotting, Large Document: \$3.35 per square foot.	
Color Plotting, Small Document (8 ½x11 and 11x17): \$1.00 per each.	
Plotting, Large Document, black and white copies: \$.26 per square foot.	
Printing, black and white copies, Small Document: \$.19 per each.	

THIS SERVES AS A SUPPLEMENTAL AGREEMENT made as of _____, between the **City of Canton, Georgia, (OWNER)** and **Atkins-North America, (Consultant)**.

Owner and **Consultant** have previously executed a Professional Services Agreement dated September 18, 2014, and amended on May 20, 2021 that defines general terms under which **Consultant** will furnish General Consulting Engineering Services and Project Engineering Services to **Owner**. **Owner** now wishes to engage **Consultant** to provide services in connection with the Project known as Task Order No. 26 – Riverstone Parkway, Mid-Block Crossing – Design Services. The Scope of Services is defined in Attachment A.

The fee for these services will be a Time and Expense Amount as outlined in Exhibit A of the Professional Services Agreement. Payments will be made monthly in accordance with the number of hours worked by personnel of **Consultant**. The amount will be a not to exceed amount of One Hundred Forty-two thousand Nine Hundred Fifty dollars (\$142,950.00).

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

Owner:

City of Canton

Bill Grant

Mayor

Title

Signature

Attest:

Consultant:

Atkins North America, Inc.

By (Typed Name)

Title

Signature

Attest:

Approved as to form

Robert M. Dyer

City of Canton

Attorney