

# Welcome to the JEA Awards Meeting

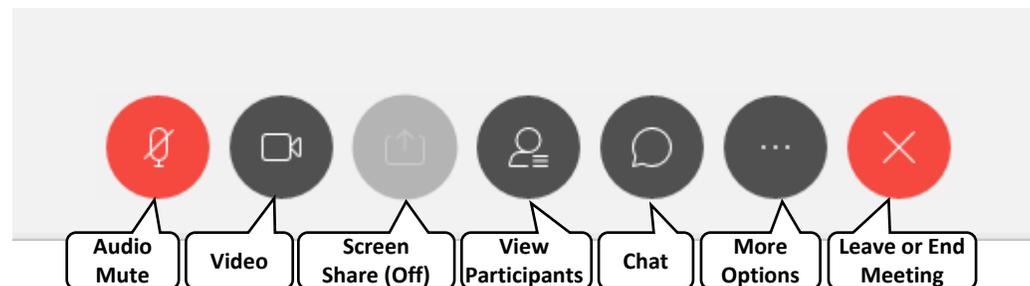
You have been joined to the meeting with your **audio muted** by default.

We will unmute your lines during the public comment time and provide opportunity for you to speak.

During the meeting, interested persons can also email **Halley Stewart** at [reimhj@jea.com](mailto:reimhj@jea.com) to submit public comments to be read during the meeting regarding any matter on the agenda for consideration. Public comments by e-mail must be received no later than 9:00 a.m. to be read during the public comment portion of the meeting.

Please contact **Halley Stewart** by telephone at **(904) 665-8815** or by email at [reimhj@jea.com](mailto:reimhj@jea.com) if you experience any technical difficulties during the meeting.

Below is a summary of the meeting controls you will see at the bottom of your screen.



## **AWARDS COMMITTEE AGENDA**

**DATE:** Thursday, February 17, 2022

**TIME:** 10:00 A.M.

**PLACE:** JEA, Customer Center, Bid Office, 1st Floor, 21 West Church Street, Jacksonville, FL  
32202 OR  
WebEx/Teleconference  
WebEx Meeting Number (access code): 160 199 4252  
WebEx Password: pxP6CqUSt63

### **Public Comments:**

### **Awards:**

1. Approval of the minutes from the last meeting (02/10/2022).
2. Request approval to award a contract amendment to Garney Companies, Inc. for construction of the Greenland WRF Pipelines for Water, Reclaimed Water and Sanitary Sewer Force Mains projects in the amount of \$43,376,077.17, for a new not-to-exceed amount of \$53,955,900.07, subject to the availability of lawfully appropriated funds.
3. Request approval to award a ratification of a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of \$6,724,253.00 for a new not-to-exceed amount of \$33,681,518.00, subject to the availability of lawfully appropriated funds.
4. 1410335448 – Request approval to award a contract to Pickett & Associates, Inc. for LIDAR surveying services for JEA in the amount of \$1,007,567.00, subject to the availability of lawfully appropriated funds.
5. 1410468246– Request approval to award a contract to T. G. Utility Company, Inc. for construction services for the for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main Project in the amount of \$3,697,970.00, subject to the availability of lawfully appropriated funds.
6. Request approval to award a contract amendment to CBRE Inc. in the amount of \$156,224.00, for a new not-to-exceed amount of \$1,236,310.32, subject to the availability of lawfully appropriated funds.
7. Request approval for contract Gresco Supply in the amount of (\$6,303,776.85) and increase to Tri-State Utility Products by the amount of \$18,345,513.79 for the supply of Single Phase Padmounted Transformers for inventory stock, for a total not-to-exceed amount of \$46,160,022.66, subject to the availability of lawfully appropriated funds.
8. 1410523446 – Request approval to award a contract to Reliable Substation Services, Inc. for the Park & King Substation Construction Project in the amount of \$1,822,500.00, subject to the availability of lawfully appropriated funds.
9. Request approval to award an amendment and contract increase to American Construction Enterprises of NE FL, Inc. in the amount of \$206,390.89, for a new not-to-exceed of \$2,151,268.22, subject to the availability of lawfully appropriated funds.

10. Request approval to award a ratification of \$143,000.00 a renewal, and a contract increase to C & L Landscape, Inc. in the amount of \$452,851.00, for a new not-to-exceed of \$1,719,363.50, subject to the availability of lawfully appropriated funds.

**Informational Items:** N/A

**Open Discussion:** N/A

**Public Notice:** N/A

**General Business:** N/A

**SPECIAL NOTES:** Copies of the above items are available in JEA Procurement, if needed for review. If a person decides to appeal any decision made by the Awards Committee, with respect to any matter considered at this meeting, that person will need a record of the proceedings, and, for such purpose, needs to ensure that a verbatim record of the proceedings is made, which record includes the evidence and testimony upon which the appeal is to be based. If you have a disability that requires reasonable accommodations to participate in the above meeting, please call 665-8625 by 8:30 a.m. the day before the meeting and we will provide reasonable assistance for you.

## 02-17-2022 Awards Committee

<u>Award #</u>	<u>Type of Award</u>	<u>Business Unit</u>	<u>Estimated/Budgeted Amount</u>	<u>Amount</u>	<u>Awardee</u>	<u>Term</u>	<u>Summary</u>
1	Minutes	N/A	N/A	N/A	N/A	N/A	Approval of minutes from the 02/10/2022 meeting.
2	Contract Increase	Vu	\$49,886,261.00	\$43,376,077.17	Garney Companies, Inc.	Project Completion (Expected: April 2024)	<p><b><u>Greenland Water Reclamation Facility (WRF) Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains</u></b></p> <p>Originally approved by Awards Committee on 06/20/2019 in the amount of \$3,605,160.00 to Garney Companies, Inc. Six administrative (less than 10% of original award) contract amendments have been issued. A contract amendment was approved by the Awards Committee on 09/02/2021 for final design services. Additionally, the Awards Committee approved a contract increase on 12/09/2021 for the early purchase of materials. A copy of the previous awards are attached for reference.</p> <p>This contract increase request is for the construction of the water main, reclaimed water line and force main leading to the new Greenland Water Reclamation Facility (WRF), which include approximately 13 miles of 24" or greater pipelines. This guaranteed maximum price (GMP) is based on the 100% design documents. JEA decided to base the GMP on the 100% design to reduce the amount of contingency needed in the final GMP. JEA estimating staff has reviewed the GMP proposals and deemed them reasonable when comparing to previous projects and current market conditions. The fee tables for the work are attached for reference. The total current approved budget for these projects is \$56,263,198.00, and this work is included in that budget.</p> <p>Request approval to award a contract amendment to Garney Companies, Inc. for construction of the Greenland WRF Pipelines for Water, Reclaimed Water and Sanitary Sewer Force Mains projects in the amount of \$43,376,077.17.</p>
3	Contract Amendment	Vu	\$6,724,253.00	\$6,724,253.00	Jacobs Engineering Group, Inc.	Five (5) Years w/Two (2) – 1 Yr. Renewals	<p><b><u>Water/Wastewater Capital Program Management</u></b></p> <p>Originally approved by Awards Committee on 06/13/2019 in the amount of \$10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20 in the amount of</p>

## 02-17-2022 Awards Committee

						<p>\$11,762,643.00. A contract increase was approved on 03/25/2021 by the Awards Committee for work during FY21 in the amount of \$7,048,749.00. Additionally, a contract increase was approved by the Awards Committee on 09/21/2021 for work during FY22 in the amount of \$3,145,619.00.</p> <p>This a contract increase request to the Program Management contract of Jacobs Engineering Group Inc. to cover an additional FY22 task order. The task covers installation of a chilled water line from the Hogans Creek District Energy System (DES) plant to the upcoming Jaguars Performance Facility. The new chilled water line will allow JEA to add this new facility to our DES customer base, and allow for the possible future expansion to the stadium. JEA is awarding to our budget estimate for engineering, services during construction and construction for this project. The final project budget will be completed once a design has been progressed to a point accurate estimating can be accomplished. A copy of the project definition is attached for reference.</p> <p>The scope of work of this task order will consist of the design and construction of approximately 1,800 LF of 20" chilled water mains (supply and return) from the existing system to a vault at the northwest corner of the Stadium, primarily within the Duval Street corridor, via the Progressive Design-Build method. The method of construction will be mixed due to the presence of numerous adjacent utilities (large diameter water and force mains, high voltage electrical underground crossings). The project will include the installation of the energy delivery station to the Jaguars Performance Facility (coordinated with and designed by others) and stub-out for future stadium connection. The requested start date for chilled water service at this facility is March 2023.</p> <p>Request approval to award a ratification of a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of \$6,724,253.00 for a new not-to-exceed amount of \$33,681,518.00.</p>
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4	Request for Proposal (RFP)  10 proposers	Erixton	\$1,008,000.00	\$1,007,567.00	Pickett & Associates, Inc.	Project Completion (Estimated: 9/30/2022)	<p><b><u>LiDar Surveying Services for Electric Transmission System.</u></b></p> <p>JEA is seeking a consultant/surveyor to provide professional services for an aerial Light Detection and Ranging (LIDAR) survey and Power Line Systems-Computer Aided Design and Draft (PLS-CADD) modeling of JEA's entire Electric Transmission System.</p> <p>These specifications are for a LIDAR survey used to develop three dimensional PLS-CADD computer models for transmission right of way vegetation management and for the design and analysis of existing and future overhead transmission line projects.</p> <p>The raw data, aerial photographs, and other collected information shall be processed with final information and engineered products delivered to JEA in accordance with these specifications.</p> <p>When comparing Pickett &amp; Associates average hourly rate of \$138.00 compared to other surveying rates in the range of \$130.00 to \$150.00 per hour, rates are deemed reasonable and were used to develop the award amount. JEA established the budget of \$1,008,000.00 for this award in FY21, and it covers the needs based on successful negotiations.</p> <p>1410335448 – Request approval to award a contract to Pickett &amp; Associates, Inc. for LIDAR surveying services for JEA in the amount of \$1,007,567.00, subject to the availability of lawfully appropriated funds.</p>
5	Invitation for Bid (IFB)  6 bidders	Vu	\$4,137,958.00	\$3,697,970.00	T. G. Utility Company, Inc.	Project Completion (Estimated: April 2023)	<p><b><u>Construction Services for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main Project</u></b></p> <p>The scope of work for this project consists of the installation of a new water main (WM) along City of Jacksonville's POW-MIA Memorial Parkway (formerly known as New World Ave.) and other appurtenances for a complete and operable system. This water main project will provide increased reliability and increased redundancy during peak times or during a water main break.</p> <p>Advertised on 12/17/2021. Eight (8) prime contractors attended the</p>

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						<p>mandatory pre-bid meeting held on 1/11/2022. At Bid opening on 1/25/2022, JEA received six (6) Bids. T. G. Utility Company, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.</p> <p>The award amount of \$3,697,970.00 is approximately 11% lower than the budget estimate and deemed reasonable.</p> <p>Request approval to award a contract to T. G. Utility Company, Inc. for construction services for the for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main Project in the amount of \$3,697,970.00.</p>
6	Contract Amendment	McElroy	\$156,224.00	\$156,224.00	CBRE, Inc.	<p><b><u>JEA Downtown Campus Owner's Representative</u></b></p> <p>The purpose of the original Invitation to Negotiate (the "ITN") was to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work").</p> <p>The original services were competitively procured for a new headquarters solution. The project approach evolved over time since the original engagement and has been extended through a longer time period. This contract amendment is intended to cover continued Owner's Rep support through project move-in, expected in September of 2022 and project close out, expected at the end of the calendar year 2022. CBRE has two staff members working on the JEA project, Robert Shaw and Eric Lee. They are managing time and effort appropriately. Much of the effort included in change order 3 covered reviewing and negotiating project changes on both core and shell (base building and garage work) and in coordinating with JEA's tenant improvement design firm and between all the parties working on the project. JEA delayed its tenant improvement design and plan development to incorporate the reduced project size and incorporate the move beyond a</p> <p style="text-align: center;">Project Completion (Expected move in – September 2022, estimated project close – December 2022)</p>

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						<p>hybrid work model to the current workplace model.</p> <p>JEA has benefitted from CBRE's representation on timing, progress and schedule interpretation as the project approaches core and shell completion including contract review and interpretation. As JEA transitions to the tenant improvement build out, JEA continues to benefit from the detailed oversight, coordination and tracking on all aspects of the project. CBRE reviewed and led the effort to negotiate guaranteed maximum price (GMP) for the tenant improvement construction contract with Ryan Companies and continues to review and coordinate buy out for the disciplines included in the GMP. The overall scope, complexity and extended duration support the request for additional effort. The hourly rates have remained the same throughout the duration of the contract. The estimated hours and rates have been attached as back-up.</p> <p>Request approval to award a contract amendment to CBRE Inc. in the amount of \$156,224.00, for a new not-to-exceed amount of \$1,236,310.32, subject to the availability of lawfully appropriated funds.</p>
7	Contract Amendment	McElroy	\$28,429,846.24	<p>\$0.00</p> <p>(\$6,303,776.85)</p> <p>\$0.00</p> <p>\$12,207,154.38</p> <p>\$0.00</p>	<p>Stuart C Irby Co</p> <p>Gresco Supply</p> <p>WEG Transformers USA</p> <p>Tri-State Utility Products</p> <p>WESCO Distribution Inc.</p>	<p><b><u>Contract Amendment for Transformers for JEA Inventory Stock</u></b></p> <p>The purpose of this contract amendment is to modify the original Award amounts from the June 10, 2021 Award Committee. The purpose of the original Invitation to Negotiate (ITN) was to solicit pricing for Three-Phase, Single Phase Padmounted, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock; these collectively consist of ninety-six (96) JEA specific transformers. The primary use of these items is to enable voltage changes from one to another within our network system, with the items being utilized by the Electric department. Our current inventory balance for the single phase padmount transformers found in this amendment is \$852,452.36. As it relates to item spend, the last twelve (12) months totaled \$6,904,056.00.</p> <p>JEA is requesting this contract amendment based on three primary reasons. The first being a transfer of work and funds from Gresco Supply to</p>

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						<p>Tri-State Utility Products due to Gresco Supply not signing the contract to perform the work. The second request is for an additional increase in funds to Tri-State Utility Products beyond the original planned work due to increased material costs. The third request is for an additional increase in funds to Tri-State Utility Products beyond the original planned work due to larger than planned volumes.</p> <p>The amount being transferred from Gresco to Tri-State is \$6,303,776.85 because after Contract Amendment One (1), Gresco Supply felt like they could not manage the volume required by JEA due to the supply chain risks, and refused to sign their contract after the initial change order. After JEA then approached Tri-State Utility Products, who part of Contract Amendment One (1) had been awarded 40% of the Single Phase Padmounted Transformer portion of this contract, to see if they could supply 100% of JEA's needs. Contract Amendment One (1), The financial impact of transitioning Gresco's 60% of the award to TriState Utility Products is \$242,298.41. In addition to transferring work, JEA requested that Tri-State Utility Products hold our general and storm stocking requirements which had been requested of the primary vendor. Over the period of the last six (6) months Tri-State Utility Products and JEA has worked to resolve the increase in volume, stocking requirements, and price adjustment methodologies with the manufacturer Howard Industries. JEA will move forward with awarding Tri-State 100% of the all items listed on Single Phase Padmount Transformers spend.</p> <p>JEA has also seen a dramatic increase in pricing of units since the original award driven by commodity price increases in Copper, Steel, Electrical Steel or Silicon Steel, labor, and transportation.</p> <p>The upward trajectory in commodity prices has impacted the unit pricing of Single Phase Padmount Transformers substantially. Since Contract Amendment One (1) on June 10, 2021, JEA has seen a 22.12% increase and a cumulative of 32.06% to date since the original bid. Accounting for the additional costs impact from</p>
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						<p>commodity pricing increase to the original award amount, along with this new unit price being applied to the units needed to resolve lead-time concerns, we estimate JEA will see a total of \$4,112,789.55 in cost increases since Change Order One (1) and project continued price increases in the future based on current commodity price trajectory. Easing in some materials has occurred, but labor, transportation, and Electrical Steel make a sizeable portion of the material costs and these continue to see rapid increases to date. Unit pricing for the contract(s) will be adjusted quarterly with adjustments corresponding to fluctuations for Stainless Steel, Silicon Steel, Aluminum, Copper, Oil and All other variable costs and margins.</p> <p>Lastly, JEA has seen a dramatic increase in demand driven from new growth in the JEA territory and a need to order more material due to longer lead-times. JEA is now ordering single phase padmount transformers approximately twelve (12) months earlier than we did prior to the award, so approximately twelve (12) months demand for FY25 is now needing to be ordered on this award instead of a future contract. To give background on this, lead times for transformers have gone from 20 weeks to 52 weeks, increasing the number of transformers that must be ordered under this contract for FY25 delivery. This accounts for \$7,686,648.97 of the total contract amendment.</p> <p>Request approval for contract Gresco Supply in the amount of - \$6,303,776.85 and increase to Tri-State Utility Products by the amount of \$18,345,513.79 for the supply of Single Phase Padmounted Transformers for inventory stock, for a total not-to-exceed amount of \$46,160,022.66, subject to the availability of lawfully appropriated funds.</p>
8	<p>Invitation for Bid (IFB)</p> <p>3 bidders</p>	Erixton	\$1,900,000.00	\$1,822,500.00	Reliable Substation Services, Inc	<p>Project Completion (Estimated: 12/30/2022)</p> <p><b><u>Park &amp; King Substation Construction</u></b></p> <p>The purpose of this solicitation is to evaluate and select a vendor to provide a Construction Services for JEA's Park &amp; King substation as described in this Solicitation (the "Work") and to determine the best method for JEA to procure the Work with regards to</p>

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							pricing, quality, design, and workmanship.  1410523446 – Request approval to award a contract to Reliable Substation Services, Inc in the amount of \$1,822,500, for the Park & King Substation Construction Project, subject to the availability of lawfully appropriated funds.
<b>9</b>	Contract Increase and Renewal	Vu	\$206,390.89	\$206,390.89	American Construction Enterprises of NE FL Inc	Five (5) Years w/ One (1) - One (1) Year Renewal	<p><b><u>Restoration of Disturbed Sod (South/East)</u></b> Originally competitively bid and awarded on 07/09/2018 in the amount of \$300,000.00. On 03/14/2019, a contract increase of \$994,875.00 was approved by the Awards Committee for a not-to-exceed amount of \$1,294,875.00. On 03/25/2021, a contract increase of \$473,195.30 was approved by the Awards Committee for a not-to-exceed amount of \$1,768,070.30. On 07/02/2021, an admin contract increase of \$176,807.03 was approved, for a not-to-exceed amount of \$1,944,877.33. Copies of the previous awards are attached for reference.</p> <p>American Construction Enterprises of NE FL, Inc. has performed well under this contract and JEA desires to issue an amendment and process an increase up to the budget amount of \$206,390.89. The vendor has agreed to keep current pricing for this renewal. The contract expiration date has been set to 3/28/2023, in order to align with the contract for the North/West service territory. This change allows both contracts to be rebid at the same time. Upon further consideration, and due current inflationary market conditions, it was decided to issue this amendment, at the current contract rates.</p> <p>Request approval to award an amendment and contract increase to American Construction Enterprises of NE FL, Inc. in the amount of \$206,390.89, for a new not-to-exceed amount of \$2,151,268.22, subject to the availability of lawfully appropriated funds.</p>
<b>10</b>	Contract Increase and Renewal	Vu	\$595,851.00	\$595,851.00	C & L Landscape, Inc.	Three Years w/ Two (2) - One (1) Year Renewals	<p><b><u>Restoration of Disturbed Sod (North/West) JSEB Sheltered Market</u></b> Originally competitively bid and awarded on 03/14/2019 in the amount of \$1,021,375.00. An administrative increase was approved on 07/02/2021 in the amount of \$102,137.50 due to</p>

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							<p>increases in repair work in the service area. A copy of the previous award document is attached for reference.</p> <p>C &amp; L Landscape, Inc. has performed well under this contract and JEA desires to exercise the available one (1) year renewal up to the budget of \$595,851.00. This amount includes a ratification of \$143,000.00. The budget has been increased due to increased repair activities in this service area. JEA originally planned on rebidding this contract with the South/East service territory contract to better align their scheduled beginning and end dates. Upon further consideration, and due to current inflationary market conditions, it was instead decided to exercise the renewal option at the current contract rates.</p> <p>Request approval to award a ratification of \$143,000, a renewal, and a contract increase to C &amp; L Landscape, Inc. in the amount of \$452,851.00, for a new not-to-exceed of \$1,719,363.50, subject to the availability of lawfully appropriated funds.</p>
<b>Total Award</b>				<b>\$63,490,210.59</b>			

## **JEA AWARDS COMMITTEE**

### **FEBRUARY 10, 2022 MEETING MINUTES**

The JEA procurement Awards Committee met on February 10, 2022, in person with a WebEx option.

WebEx Meeting Number (access code): 160 199 4252

WebEx Password: pxP6CqUSt63

Members in attendance were Jenny McCollum as Chief Procurement Officer, Stephen Datz as Chairperson (on site), Hai Vu as Vice Chairperson (on site), Laure Whitmer as Budget Representative, Rebecca Lavie as Office of General Counsel Representative; with Ricky Erixton (on site), Juli Crawford for Joe Orfano, and Laura Dutton. Unless otherwise indicated, all attendees were via WebEx.

Chair Datz called the meeting to order at 10:00 a.m., introduced the Awards Committee Members, and confirmed that there was an in-person quorum of the Committee membership present.

#### Public Comments:

Chair Datz recognized the public comment speaking period and opened the meeting floor to public comments. No public comments were provided by email, phone or videoconference.

#### Awards:

1. Approval of the minutes from the last meeting (02/03/2022). Chair Datz verbally presented the Committee Members the proposed February 3, 2022 minutes as presented.

**MOTION:** Hai Vu made a motion to approve the February 3, 2022 minutes (Award Item 1). The motion was seconded by Laura Dutton and approved unanimously by the Awards Committee (5-0).

The Committee Members reviewed and discussed the following Awards Items 2 - 4:

2. Request approval to award a change order to H. Stephen Jones and Associates, Inc. for Owner's Representative Services for Technology, Security, and Facilities Systems for new JEA Headquarters (HQ1) contract in the amount of \$497,772.00 for a new not-to-exceed amount of \$1,229,008.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 2 as presented in the committee packet. The motion was seconded by Laura Dutton and approved unanimously by the Awards Committee (5-0).

3. 1410468246– Request approval to award a contract to Sawcross, Inc. for construction services for the McDuff WTP and Norwood WTP Refurbishment Projects in the amount of \$11,223,795.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Hai Vu made a motion to approve Award Item 3 as presented in the committee packet. The motion was seconded by Ricky Erixton and approved unanimously by the Awards Committee (5-0).

4. Request approval to award a contract to Duval Ford for the purchase of six (6) vehicles for JEA's FY23 fleet capital requirements in the amount of \$396,330.00, subject to the availability of lawfully appropriated funds.

**MOTION:** Laura Dutton made a motion to approve Award Item 4 as presented in the committee packet. The motion was seconded by Hai Vu and approved unanimously by the Awards Committee (5-0).

Informational Item:

No informational items were presented to the Awards Committee.

Ratifications:

No ratifications were presented to the Awards Committee

Public Comments:

No additional public comment speaking period was taken.

Adjournment:

Chair Datz adjourned the meeting at 10:56 a.m.

**NOTE: These minutes provide a brief summary only of the Awards Committee meeting. For additional detail regarding the content of these minutes or discussions during the meeting, please review the meeting recording. The recording of this meeting as well as other relevant documents can be found at the link below:**  
[https://www.jea.com/About/Procurement/Awards\\_Meeting\\_Agendas\\_and\\_Minutes/](https://www.jea.com/About/Procurement/Awards_Meeting_Agendas_and_Minutes/)



# Formal Bid and Award System

Award #2 February 17, 2022

**Type of Award Request:** CONTRACT INCREASE  
**Requestor Name:** Williams, Michael S. - Water Wastewater Engineer  
**Requestor Phone:** (904) 665-7454  
**Project Title:** Greenland Water Reclamation Facility (WRF) Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains  
**Project Number:** 102-33, 730-12, 100-62, 102-37, 268-W3  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$49,886,261.00 (including previous material purchase)

**Scope of Work:**

This project is a combination of three JEA capital projects. The force main will redirect waste water from existing JEA pump stations to the proposed JEA Greenland WRF. The reclaim water main will convey reclaimed water away from the proposed JEA Greenland WRF to existing JEA reclaim water system. The water main is part of the JEA water master plan for conveying water from JEA's north water grid to the south water grid. The water main was grouped with the reclaim water main since they share the same proposed route. This project will be delivered using the Progressive Design-Build delivery method.

**JEA IFB/RFP/State/City/GSA#:** 040-19  
**CPA#** 182958  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
GARNEY COMPANIES, INC.	Dan Smolik	dsmolik@garney.com	1333 NW Vivion Road, Kansas City, MO 64118	(407) 887-5903	\$43,376,077.17

**Amount of Original Award:** \$3,605,160.00  
**Date of Original Award:** 06/20/2019  
**Change Order Amount:** \$43,376,077.17

**List of Previous Change Order/Amendments:**

Amendment	Amount	Date	Reason
1	\$45,720.00	11/01/2019	Additional reclaimed water modeling and route evaluations.
2	\$110,579.00	03/02/2020	Add 3 HDD drills across I-9B; expanded the evaluation of the Mandarin WRF outfall capacity.
3	\$40,441.00	04/22/2020	Design fiber optic system expansion to support communications at the new Greenland WRF.
4	\$112,973.53	09/28/2020	Phase II design services. Brings most design to 90%. Changes construction GMP to 90% design vs. 60% to better estimate final costs. Redesign of reclaimed interconnections along US1 due to JEA initiated

			changes. Re-allocated \$479,507.47 in funding from design not used in Phase I to Phase II.
5	\$10,500.00	11/16/2020	Additional soil sampling and analysis of contamination found in original assessment.
6	\$21,039.60	04/08/2021	100% design for the water main, traffic control design and additional geotechnical services. Re-allocated \$49,800.00 from unused Phase I costs.
7	\$476,782.00	09/02/2021	Design services for reclaimed water main from Mandarin WRF and services during construction for the engineering firm.
8	\$6,156,627.77	12/09/2021	Early purchase of portions of ductile iron pipe, HDPE pipe and associated materials.

**New Not-To-Exceed Amount:** \$53,955,900.07  
**Length of Contract/PO Term:** Project Completion  
**Begin Date:** 06/25/2019  
**End Date:** Project Completion (Expected: April 2024)  
**JSEB Requirement:** Five Percent (5%) Evaluation Criteria

**Comments on JSEB Requirements:**

Original Award:

Meskel & Associates (Geotechnical) – 15.6%  
C&ES (MOT Engineering) – 4.3%

Amendments 1-3:

N/A

Amendment 4:

C&ES (Temporary Traffic Control/Permitting) - \$91,985.00 (15.5% of pre-adjusted fee)  
Meskel & Associates (Geotechnical) – \$11,346.10 (1.92% of pre-adjusted fee)

Amendment 5:

Meskel & Associates (Geotechnical) – 100%

Amendment 6:

Meskel & Associates (Geotechnical) – \$24,275.60 (34.3% of pre-adjusted fee)

Amendment 7:

Meskel & Associates (Geotechnical) – 15.3%  
C&ES (Temporary Traffic Control Plan) – 2.8%

Amendment 8:

N/A – Material Purchase

This Contract Increase:

Meskel & Associates (Materials Testing & Geotechnical) - \$164,552.00  
Garmon Trucking (Trucking) – \$487,507.00  
D and J Erosion Control Specialists, Inc. (Erosion Control) – \$118,660.00

\*Garney has also committed to soliciting JSEBs qualified to complete the landscaping services, once the scope of work is better defined.

**Background/Recommendations:**

Originally approved by Awards Committee on 06/20/2019 in the amount of \$3,605,160.00 to Garney Companies, Inc. Six administrative (less than 10% of original award) contract amendments have been issued. A contract amendment was approved by the Awards Committee on 09/02/2021 for final design

services. Additionally, the Awards Committee approved a contract increase on 12/09/2021 for the early purchase of materials. A copy of the previous awards are attached for reference.

This contract increase request is for the construction of the water main, reclaimed water line and force main leading to the new Greenland Water Reclamation Facility (WRF), which include approximately 13 miles of 24” or greater pipelines. This guaranteed maximum price (GMP) is based on the 100% design documents. JEA decided to base the GMP on the 100% design to reduce the amount of contingency needed in the final GMP. JEA estimating staff has reviewed the GMP proposals and deemed them reasonable when comparing to previous projects and current market conditions. The fee tables for the work are attached for reference. The total current approved budget for these projects is \$56,263,198.00, and this work is included in that budget. See the table below for the construction costs per project included in this award.

Project	GMP	Previously Awarded	Total
Reclaimed Water Main	\$30,643,180.16	\$4,328,023.41	\$26,315,156.75
Force Main	\$4,821,114.71	\$0.00	\$4,821,114.71
Water Main	\$14,068,410.08	\$1,828,604.37	\$12,239,805.71
			<b>\$43,376,077.17</b>

Request approval to award a contract amendment to Garney Companies, Inc. for construction of the Greenland WRF Pipelines for Water, Reclaimed Water and Sanitary Sewer Force Mains projects in the amount of \$43,376,077.17, for a new not-to-exceed amount of \$53,955,900.07, subject to the availability of lawfully appropriated funds.

**Manager:** DiMeo, Elizabeth A. - Mgr W/WW Project Management  
**Director:** Conner, Sean M. - Dir W/WW Project Engineering & Construction  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**



## Formal Bid and Award System

Award #5 December 9, 2021

**Type of Award Request:** CONTRACT INCREASE  
**Requestor Name:** Williams, Michael - Water Wastewater Engineer  
**Requestor Phone:** (904) 665-7454  
**Project Title:** Greenland Water Reclamation Facility (WRF) Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains  
**Project Number:** 102-33, 730-12  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** N/A (price is included in overall budget)

### Scope of Work:

This project is a combination of three JEA capital projects. The force main will redirect waste water from existing JEA pump stations to the proposed JEA Greenland WRF. The reclaim water main will convey reclaimed water away from the proposed JEA Greenland WRF to existing JEA reclaim water system. The water main is part of the JEA water master plan for conveying water from JEA's north water grid to the south water grid. The water main was grouped with the reclaim water main since they share the same proposed route. This project will be delivered using the Progressive Design-Build delivery method.

**JEA IFB/RFP/State/City/GSA#:** 040-19  
**CPA#** 182958  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
GARNEY COMPANIES, INC.	Dan Smolik	dsmolik@garney.com	1333 NW Vivion Road, Kansas City, MO 64118	(407) 887-5903	\$6,156,627.77

**Amount of Original Award:** \$3,605,160.00  
**Date of Original Award:** 06/20/2019  
**Change Order Amount:** \$6,156,627.77

### List of Previous Change Order/Amendments:

Amendment	Amount	Date	Reason
1	\$45,720.00	11/01/2019	Additional reclaimed water modeling and route evaluations
2	\$110,579.00	03/02/2020	Add 3 HDD drills across I-9B; expanded the evaluation of the Mandarin WRF outfall capacity
3	\$40,441.00	04/22/2020	Design fiber optic system expansion to support communications at the new Greenland WRF
4	\$112,973.53	09/28/2020	Phase II design services. Brings most design to 90%. Changes construction GMP to 90% design

			vs. 60% to better estimate final costs. Redesign of reclaimed interconnections along US1 due to JEA initiated changes. Re-allocated \$479,507.47 in funding from design not used in Phase I to Phase II.
5	\$10,500.00	11/16/2020	Additional soil sampling and analysis of contamination found in original assessment
6	\$21,039.60	04/08/2021	100% design for the water main, traffic control design and additional geotechnical services. Re-allocated \$49,800.00 from unused Phase I costs.
7	476,782.00	09/02/2021	Design services for reclaimed water main from Mandarin WRF and services during construction for the engineering firm.

**New Not-To-Exceed Amount:** \$10,579,822.90  
**Length of Contract/PO Term:** Project Completion  
**Begin Date:** 06/25/2019  
**End Date:** Project Completion (Expected: January 2024)  
**JSEB Requirement:** Five Percent (5%) Evaluation Criteria

**Comments on JSEB Requirements:**

Original Award:

Meskel & Associates (Geotechnical) – 15.6%  
C&ES (MOT Engineering) – 4.3%

Amendments 1-3:

N/A

Amendment 4:

C&ES (Temporary Traffic Control/Permitting) - \$91,985.00 (15.5% of pre-adjusted fee)  
Meskel & Associates (Geotechnical) – \$11,346.10 (1.92% of pre-adjusted fee)

Amendment 5:

Meskel & Associates (Geotechnical) – 100%

Amendment 6:

Meskel & Associates (Geotechnical) – \$24,275.60 (34.3% of pre-adjusted fee)

Amendment 7:

Meskel & Associates (Geotechnical) – 15.3%  
C&ES (Temporary Traffic Control Plan) – 2.8%

This Change Order

N/A – Material Purchase

**Background/Recommendations:**

Originally approved by Awards Committee on 06/20/2019 in the amount of \$3,605,160.00 to Garney Companies, Inc. Six administrative (less than 10% of original award) contract amendments have been issued. A contract amendment was approved by the Awards Committee on 09/02/2021 for final design services. A copy of the previous awards are attached for reference. An overview of the previous change orders can also found in the table above.

The scope of work for this amendment includes the partial purchase of ductile iron pipe, HDPE pipe, and associated materials, for both the water main and the reclaimed water main. These materials have been identified as long lead items and need to be purchased before the final guaranteed maximum price (GMP) is

finalized to keep the project on schedule. The JEA W/WW project team has reviewed the pricing and deemed it reasonable when compared to current projects. A copy of the costs are attached as backup. The overall project budget is \$49,775,095.98, and the purchase of these materials is included within this budget.

Request approval to award a contract amendment to Garney Companies, Inc. for material purchases for the Greenland WRF Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains project in the amount of \$6,156,627.77, for a new not-to-exceed amount of \$10,579,822.90, subject to the availability of lawfully appropriated funds.

**Manager:** DiMeo, Elizabeth - Mgr W/WW Project Management  
**Director:** Conner, Sean M. - Dir W/WW Project Engineering & Construction  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

	<u>12-9-21</u>
<b>Chairman, Awards Committee</b>	<b>Date</b>
	12/10/21
<b>Budget Representative</b>	<b>Date</b>



## Formal Bid and Award System

Award #6 September 2, 2021

**Type of Award Request:** CHANGE ORDER  
**Requestor Name:** Williams, Michael - Water Wastewater Engineer  
**Requestor Phone:** (904) 665-7454  
**Project Title:** Greenland Water Reclamation Facility (WRF) Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains  
**Project Number:** 21421014  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$900,000.00 (design of added reclaimed water main)

### Scope of Work:

This project is a combination of three JEA capital projects. The force main will redirect waste water from existing JEA pump stations to the proposed JEA Greenland WRF. The reclaim water main will convey reclaimed water away from the proposed JEA Greenland WRF to existing JEA reclaim water system. The water main is part of the JEA water master plan for conveying water from JEA's north water grid to the south water grid. The water main was grouped with the reclaim water main since they share the same proposed route. This project will be delivered using the Progressive Design-Build delivery method.

**JEA IFB/RFP/State/City/GSA#:** 040-19  
**CPA#** 182958  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
GARNEY COMPANIES, INC.	Dan Smolik	dsmolik@garney.com	1333 NW Vivion Road, Kansas City, MO 64118	(407) 887-5903	\$476,782.00

**Amount of Original Award:** \$3,605,160.00  
**Date of Original Award:** 06/20/2019  
**Change Order Amount:** \$476,782.00

### List of Previous Change Order/Amendments:

Amendment	Amount	Date	Reason
1	\$45,720.00	11/01/2019	Additional reclaimed water modeling and route evaluations
2	\$110,579.00	03/02/2020	Add 3 HDD drills across I-9B; expanded the evaluation of the Mandarin WRF outfall capacity
3	\$40,441.00	04/22/2020	Design fiber optic system expansion to support communications at the new Greenland WRF
4	\$112,973.53	09/28/2020	Phase II design services. Brings most design to 90%. Changes construction GMP to 90% design vs. 60% to better estimate final costs. Redesign

			of reclaimed interconnections along US1 due to JEA initiated changes. Re-allocated \$479,507.47 in funding from design not used in Phase I to Phase II.
5	\$10,500.00	11/16/2020	Additional soil sampling and analysis of contamination found in original assessment
6	\$21,039.60	04/08/2021	100% design for the water main, traffic control design and additional geotechnical services. Re-allocated \$49,800.00 from unused Phase I costs.

**New Not-To-Exceed Amount:** \$4,423,195.13  
**Length of Contract/PO Term:** Project Completion  
**Begin Date:** 06/25/2019  
**End Date:** Project Completion (Expected: January 2024)  
**JSEB Requirement:** Five Percent (5%) Evaluation Criteria

**Comments on JSEB Requirements:**

Original Award:

Meskel & Associates (Geotechnical) – 15.6%  
C&ES (MOT Engineering) – 4.3%

Amendments 1-3:

N/A

Amendment 4:

C&ES (Temporary Traffic Control/Permitting) - \$91,985.00 (15.5% of pre-adjusted fee)  
Meskel & Associates (Geotechnical) – \$11,346.10 (1.92% of pre-adjusted fee)

Amendment 5:

Meskel & Associates (Geotechnical) – 100%

Amendment 6:

Meskel & Associates (Geotechnical) – \$24,275.60 (34.3% of pre-adjusted fee)

This Change Order:

Meskel & Associates (Geotechnical) – 15.3%  
C&ES (Temporary Traffic Control Plan) – 2.8%

**Background/Recommendations:**

Originally approved by Awards Committee on 06/20/2019 in the amount of \$3,605,160.00 to Garney Companies, Inc. A copy of the original award is attached as backup. Six administrative (less than 10% of original award) contract amendments have been issued. An overview of the administrative change orders can be found in the table above.

Mandarin WRF is limited on how much reclaimed water can be pumped into the south grid as a result of its interconnection with the Arlington East WRF reclaimed water pumps. The proposed reclaimed water main in this amendment will allow Mandarin WRF to discharge directly into a tank at Greenland WRF, increasing the average reclaimed water discharge from 3 to 6 million gallons per day. JEA Electric Planning is in the process of evaluating the expansion of Greenland Energy Center (GEC) to a combined cycle. Reclaimed water is included in the evaluation for water to be used in the cooling towers. Additionally, this project will allow more reclaimed water to be available to both GEC and Greenland WRF.

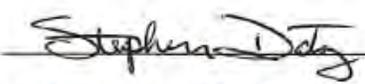
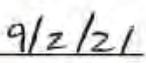
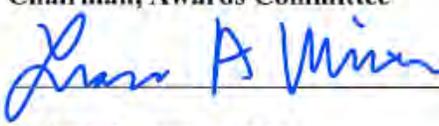
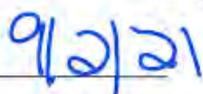
The scope of work for this amendment includes the design approximately 9,500 feet of 24” reclaimed water main from just North of the JEA Bartram Repump Station (where the two existing 20” reclaimed water

mains from Mandarin and Arlington WRFs tie together) to the new Greenland WRF. On the West end, the new 24" reclaimed water main will tie into the existing 20" reclaimed water main west of the existing tee to the Bartram Repump Station so that all Mandarin WRF reclaimed water flow will be redirected into the new 24". Garney will also install a valve between the 24" tie in point and the existing tee that leads to the Bartram Repump Station. This amendment request also includes services during construction for the design firm (Mott MacDonald) for all of the pipeline projects. It is anticipated that this amendment is the last design-related increase to the contract. When design reaches 90%, Garney will prepare a Guaranteed Maximum Price (GMP) for the construction of the pipelines, which will be brought before the Awards Committee for approval. The fee for this work is approximately 47% lower than estimated due to adding this pipeline to the existing route for the other Greenland WRF pipelines, saving costs on route study and explorations. A copy of the proposed fees are attached as backup.

Request approval to award a contract amendment to Garney Companies, Inc. for additional Design-Build services for the Greenland WRF Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains project in the amount of \$476,782.00, for a new not-to-exceed amount of \$4,423,195.13, subject to the availability of lawfully appropriated funds.

**Manager:** DiMeo, Elizabeth - Mgr W/WW Project Management  
**Director:** Conner, Sean M. - Dir W/WW Project Engineering & Construction  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

	
Chairman, Awards Committee	Date
	
Budget Representative	Date

**Formal Bid and Award System****CPA 182958**

Award #4 June 20, 2019

**Type of Award Request:** PROPOSAL (RFP)  
**Request #:** 6466  
**Requestor Name:** DiMeo, Elizabeth A.  
**Requestor Phone:** (904) 665-8139  
**Project Title:** Greenland Water Reclamation Facility (WRF) Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains  
**Project Number:** 730-12, 100-62, 102-33  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$3,830,620.20 (60% Design Budget Estimate)

**Scope of Work:**

JEA is requesting proposals for a design-build team to design and construct the Greenland WRF Pipelines: Water, Reclaimed Water and Sanitary Sewer Force mains project. This project is a combination of three JEA capital projects. The force main will redirect waste water from existing JEA pump stations to the proposed JEA Greenland WRF. The reclaim water main will convey reclaimed water away from the proposed JEA Greenland WRF to existing JEA reclaim water system. The water main is part of the JEA water master plan for conveying water from JEA's north water grid to the south water grid. The water main was grouped with the reclaim water main since they share the same proposed route. This project will be delivered using the Progressive Design-Build delivery method.

This award positively impacts the following JEA Measures of Value:

- Customer Value - Provides reliable water, sewer and reclaim service to our customers.
- Community Value - The new force main will provide sewer system reliability by redirecting flow from an existing overloaded treatment grid to a new treatment grid. The water main will increase system reliability for the South Grid. The reclaim water main will provide potable water consumption offsets.
- Environmental Value - The new sewer force main will help mitigate sanitary sewer overflows (SSOs) by redirecting flow from an existing overloaded treatment grid to a new grid. The reclaim water main will provide potable water consumption offsets. The water main will transfer water from the North grid to the South grid to protect the existing well fields' water quality in the area.
- Financial Value - The new force main will reduce the potential for SSO fines. The reclaim water main will increase reclaim water sales.

**JEA IFB/RFP/State/City/GSA#:** 040-19

**Purchasing Agent:** Kruck, Daniel R.

**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
GARNEY COMPANIES, INC.	Dan Smolik	dsmolik@garney.com	1333 NW Vivion Road, Kansas City, MO	(407) 887-5903	\$3,605,160.00

**Amount for entire term of Contract/PO:** \$3,605,160.00  
**Award Amount for remainder of this FY:** \$914,070.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 06/14/2019  
**End Date (mm/dd/yyyy):** Project Completion (Expected: October 2022)  
**JSEB Requirement:** Five Percent (5%) Evaluation Criteria  
**Comments on JSEB Requirements:**  
 Meskel & Associates (Geotechnical) – 15.6%  
 C&ES (MOT Engineering) – 4.3%

**PROPOSERS:**

NAME	Amount	Rank
GARNEY COMPANIES INC.	\$3,605,160.00	1
REYNOLDS CONSTRUCTION	N/A	2
JB COXWELL CONTRACTING INC.	N/A	3
LANZO CONSTRUCTION	N/A	4

**Background/Recommendations:**

Advertised on 02/05/2019. Nine (9) prime companies attended the mandatory pre-proposal meeting held on 02/12/2019. At proposal opening on 03/05/2019, JEA received four (4) Proposals. The public evaluation meeting was held on 03/26/2019 and JEA deemed Garney Companies, Inc. most qualified to perform the work. A copy of the evaluation matrix and negotiated schedule and fees are attached as backup.

Negotiations with Garney Companies Inc. were successfully completed for Phase 1 of this project. This project will be delivered using the Progressive Design-Build method, splitting the effort into two (2) phases. Phase 1 includes engineering design up to sixty percent (60%), support services and pre-construction services, which is approximately 7.55% of the estimated project cost. After Phase 1, a Guaranteed Maximum Price (GMP) will be established, with the option of an "off ramp" if construction pricing is not acceptable. Upon acceptance of the GMP and subsequent approval by the Awards Committee, Phase 2 will commence. Phase 2 will include the final design, services during construction (SDC) and construction costs. Negotiations of the design builder fee resulted in a cost savings of \$35,034.00 for the Phase 1 fee.

**Project Budget and Schedule Details:**

- Original Project Budget: \$42,219,274.00
  - Engineering Cost: \$4,301,824.00
  - Construction Cost: \$34,135,413.00
  - JEA Services Cost: \$3,735,486.00
- Revised Project Budget: \$52,126,834.00
  - Engineering: \$6,384,367.00
    - Phase 1 Fee (60% design): \$3,830,620.20
    - Phase 2 Fee (40% Design): \$2,553,746.80

- Phase 2 Fee (Construction): \$41,317,267.00
    - JEA Services Costs: \$4,425,201.00
  - Estimate at Completion: \$52,126,834.00
    - Engineering: \$6,384,367.00
      - Phase 1 Design (60%): \$3,605,160.00 (this award, 7.55% of DB fee estimate)
      - Phase 2 Design (40%): 2,779,206.00
    - Construction: \$41,317,267.00
    - JEA Services Costs: \$4,425,201.00
  - Original Project Schedule:
    - Engineering Completion: December 2019
    - Construction Completion: February 2022
  - Revised Project Schedule:
    - Engineering Completion: September 2020
    - Construction Completion: October 2022

Major Issues/Changes

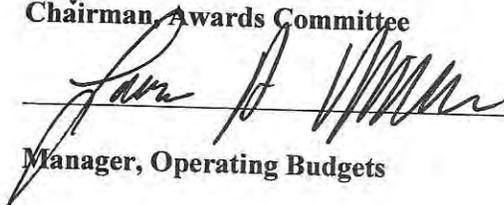
The original cost estimates were updated to include cost escalations, contingency costs and design-build fees. Originally each of the three pipelines was envisioned to be its own design-bid-build project. The schedule was delayed due to the need to write a design criteria package to solicit the design build firm.

040-19 – Request approval to award a contract to Garney Companies, Inc. for design-build services for the Greenland WRF Pipelines: Water, Reclaimed Water and Sanitary Sewer Force Mains project in the amount of \$3,605,160.00, subject to the availability of lawfully appropriated funds.

**Director:** Conner, Sean M. – Dir W/WW Project Engineering & Construction  
**VP:** Calhoun, Deryle I. – VP/GM Water Wastewater Systems

**APPROVALS:**

 6/20/19  
 \_\_\_\_\_  
**Chairman, Awards Committee** **Date**

 6/20/19  
 \_\_\_\_\_  
**Manager, Operating Budgets** **Date**



**CURRENT WORKING ESTIMATE**

GCIITEM #	OWNER ITEM #	SIZE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
10	-	-	<b>36" FM PORTION</b>	-	-	-	\$ -
20	XVII.1	24	PVC FM, DR 25	23	LF	541.25	\$ 12,448.67
30	XVII.1	36	PVC FM, DR 25	1,870	LF	453.79	\$ 848,588.58
40	XVII.1	42	PVC FM, DR 25	39	LF	577.12	\$ 22,507.85
50	XVII.7	36	FM BELL RESTRAINTS	63	EA	3,183.11	\$ 200,535.76
60	XVII.3	24	22.5 BEND	1	EA	5,731.73	\$ 5,731.73
70	XVII.3	36x24	TEE	-	EA	-	\$ -
80	XVII.3	36	11.25 BEND	2	EA	12,148.69	\$ 24,297.38
90	XVII.3	36	22.5 BEND	9	EA	12,332.29	\$ 110,990.62
100	XVII.3	36	45 BEND	8	EA	13,245.06	\$ 105,960.50
110	XVII.3	36X24	REDUCER	1	EA	9,552.85	\$ 9,552.85
120	XVII.3	36X2	CAP	1	EA	8,439.81	\$ 8,439.81
130	XVII.3	42	11.25 BEND	2	EA	15,783.90	\$ 31,567.81
140	XVII.3	42X36	REDUCER	2	EA	19,338.93	\$ 38,677.86
150	XVIII.1	36	GATE VALVE, VERTICAL W/ GEAR	2	EA	47,240.15	\$ 94,480.30
160	XXIV.1	42	HDD, DR13.5 IPS HDPE	1,659	LF	694.46	\$ 1,152,100.86
170	XVIII.4	3	FM AIR RELEASE ASSEMBLY	6	EA	13,992.65	\$ 83,955.90
180	XVIII.3	24	CONNECT TO EXISTING FM - 9B/NOCATEE FM	1	EA	6,551.76	\$ 6,551.76
190	N/A	42	SWABBING PORT	2	EA	91,613.78	\$ 183,227.57
200	N/A	36	SWABBING PORT	1	EA	65,078.48	\$ 65,078.48
210	XVII.1	-	CLEARING & GRUBBING	1	ACRES	1,602.69	\$ 1,442.42
220	XVII.1	-	EROSION CONTROL	1	LS	2,650.82	\$ 2,650.82
230	XVII.1	-	TEMPORARY TRAFFIC CONTROL (TTC)	1	LS	-	\$ -
240	VIII	-	GRASSING	5,300	SY	2.04	\$ 10,825.28
250	XI	-	FENCING	40	LF	25.00	\$ 1,000.00
730	-	-	<b>FORCE MAIN SYSTEM - 9B CROSSING</b>	-	-	-	\$ -
740	XVII.1	24	PVC FM, DR 18	61	LF	966.50	\$ 58,956.61
750	XVII.1	30	PVC FM, DR 18	36	LF	330.72	\$ 11,905.90
760	XVII.7	24	FM BELL RESTRAINTS	3	EA	1,265.17	\$ 3,795.51
770	XVII.3	24	11.25 BEND	-	EA	-	\$ -
780	XVII.3	24	45 BEND	2	EA	5,808.37	\$ 11,616.75
790	XVII.3	24	CAP	1	EA	3,145.89	\$ 3,145.89
800	XVII.3	30	11.25 BEND	2	EA	10,074.01	\$ 20,148.01
810	XVII.3	30X24	REDUCER	2	EA	10,854.42	\$ 21,708.85
820	XVIII.1	24	GATE VALVE, VERTICAL W/ GEAR	2	EA	19,372.65	\$ 38,745.30
830	XXIV.1	30	FM HDD, DR11 IPS HDPE	1,715	LF	395.83	\$ 678,844.80
840	XVIII.4	3	ARV ASSEMBLY	3	EA	14,335.71	\$ 43,007.13
850	XVII.3	36X24	TEE	1	EA	15,390.96	\$ 15,390.96
860	N/A	-	SWABBING PORT	2	EA	30,582.71	\$ 61,165.41
1,890	-	-	-	-	-	-	\$ -
1,900	-	-	MOBILIZATION	1	LS	12,891.19	\$ 12,891.19
1,910	-	-	DESIGN FEE	1	LS	-	\$ -
1,920	-	-	GENERAL CONDITIONS INCLUDING BOND	1	LS	243,793.31	\$ 243,793.31
1,930	-	-	DESIGN-BUILDER FEE - 7.5%	1	LS	245,797.30	\$ 245,797.30
2,000	-	-	-	-	-	-	\$ -
<b>SUBTOTAL</b>							<b>\$ 4,491,525.71</b>
1,950	\$ -	-	PERMITTING ALLOWANCE	1.00	LS	\$ -	\$ -
<b>ALLOWANCE SUBTOTAL</b>							<b>\$ -</b>
1,960	\$ -	-	PROJECT CONTINGENCY	1.00	LS	\$ 329,589.00	\$ 329,589.00
<b>TOTAL W/ FEE</b>							<b>\$ 4,821,114.71</b>
<b>TOTAL GMP</b>							<b>\$ 4,821,114.71</b>

M	L	E	S/O	TAX	MH
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 8,679.25	\$ 1,420.10	\$ 1,108.16	\$ 585.12	\$ 656.03	29.43
\$ 640,821.86	\$ 78,249.79	\$ 57,409.85	\$ 23,804.07	\$ 48,303.01	1,651.19
\$ 18,000.00	\$ 1,756.17	\$ 1,385.47	\$ 9.75	\$ 1,356.45	36.27
\$ 161,091.00	\$ 16,769.00	\$ 10,560.84	\$ -	\$ 12,114.92	368.00
\$ 3,454.63	\$ 1,125.75	\$ 888.12	\$ -	\$ 263.23	23.25
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 17,596.30	\$ 3,002.00	\$ 2,368.33	\$ -	\$ 1,330.76	62.00
\$ 80,720.46	\$ 13,509.00	\$ 10,657.47	\$ -	\$ 6,103.68	279.00
\$ 78,544.24	\$ 12,008.00	\$ 9,473.31	\$ -	\$ 5,934.95	248.00
\$ 7,009.15	\$ 1,125.75	\$ 888.12	\$ -	\$ 529.82	23.25
\$ 7,100.10	\$ 450.30	\$ 355.25	\$ -	\$ 534.16	9.30
\$ 23,358.30	\$ 3,602.40	\$ 2,841.99	\$ -	\$ 1,765.11	74.40
\$ 29,972.30	\$ 3,602.40	\$ 2,841.99	\$ -	\$ 2,261.16	74.40
\$ 81,881.55	\$ 3,602.40	\$ 2,841.99	\$ -	\$ 6,154.36	74.40
\$ 498,172.49	\$ 24,565.50	\$ 14,805.55	\$ 577,153.00	\$ 37,404.31	544.50
\$ 57,955.32	\$ 14,658.90	\$ 6,990.07	\$ -	\$ 4,351.61	339.90
\$ 463.00	\$ 3,377.25	\$ 2,664.37	\$ -	\$ 47.14	69.75
\$ 155,426.50	\$ 9,006.00	\$ 7,104.98	\$ -	\$ 11,690.09	186.00
\$ 53,029.25	\$ 4,503.00	\$ 3,552.49	\$ -	\$ 3,993.74	93.00
\$ -	\$ 998.10	\$ 444.32	\$ -	\$ -	23.40
\$ 975.00	\$ 1,109.00	\$ 493.69	\$ -	\$ 73.13	26.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ 4,436.00	\$ 1,974.78	\$ 4,414.50	\$ -	104.00
\$ -	\$ -	\$ -	\$ 1,000.00	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 33,223.95	\$ 6,725.03	\$ 4,054.73	\$ 12,436.72	\$ 2,516.18	151.28
\$ 8,800.00	\$ 1,350.90	\$ 1,080.32	\$ 9.72	\$ 664.96	27.90
\$ 3,153.00	\$ 225.15	\$ 180.05	\$ -	\$ 237.30	4.65
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 7,029.25	\$ 2,251.50	\$ 1,800.53	\$ -	\$ 535.47	46.50
\$ 2,171.00	\$ 450.30	\$ 360.11	\$ -	\$ 164.48	9.30
\$ 13,706.30	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 1,039.01	62.00
\$ 16,417.25	\$ 2,251.50	\$ 1,800.53	\$ -	\$ 1,239.57	46.50
\$ 31,006.10	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 2,336.49	62.00
\$ 276,591.50	\$ 18,354.87	\$ 11,889.60	\$ 351,197.70	\$ 20,811.13	405.18
\$ 19,359.97	\$ 13,408.50	\$ 8,737.88	\$ -	\$ 1,500.79	295.50
\$ 11,799.15	\$ 1,501.00	\$ 1,200.35	\$ -	\$ 890.45	31.00
\$ 49,344.00	\$ 4,503.00	\$ 3,601.06	\$ -	\$ 3,717.35	93.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 860.00	\$ 1,109.00	\$ 493.69	\$ 10,364.00	\$ 64.50	26.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 60,792.27	\$ 50,976.00	\$ -	\$ 127,465.63	\$ 4,559.42	544.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 2,458,504.43	\$ 311,987.55	\$ 181,651.45	\$ 1,108,440.21	\$ 185,144.78	6144.24

**CURRENT WORKING ESTIMATE**

GCI ITEM #	OWNER ITEM #	SIZE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
10	-	-	<b>RECLAIMED WATER MAIN SYSTEM</b>	-	-	-	\$ -
20	XXII.1	16	RWM DIP, CL. 200	319	LF	231.98	\$ 74,002.23
30	XXII.1	24	RWM DIP, CL. 200	2,808	LF	187.50	\$ 526,507.93
40	XXII.1	30	RWM DIP, CL. 200	26,861	LF	259.72	\$ 6,976,380.77
50	XXII.1	36	RWM DIP, CL. 200	2,168	LF	332.45	\$ 720,755.21
60	XXII.1	42	RWM DIP, CL. 200	12	LF	721.12	\$ 8,653.43
70	XXII.4	16	RWM POLYETHYLENE WRAP	-	LF	-	\$ -
80	XXII.4	24	RWM POLYETHYLENE WRAP	40	LF	1.77	\$ 70.95
90	XXII.4	30	RWM POLYETHYLENE WRAP	300	LF	12.70	\$ 3,809.55
100	XXII.4	36	RWM POLYETHYLENE WRAP	-	LF	-	\$ -
110	XXII.6	16	RWM JOINT RESTRAINTS	16	EA	376.78	\$ 6,028.43
120	XXII.6	24	RWM JOINT RESTRAINTS	38	EA	730.73	\$ 27,767.79
130	XXII.6	30	RWM JOINT RESTRAINTS	355	EA	1,407.78	\$ 499,760.84
140	XXII.6	36	RWM JOINT RESTRAINTS	53	EA	1,887.72	\$ 100,049.24
150	XXII.2	16	22.5 BEND	2	EA	1,507.30	\$ 3,014.60
160	XXII.2	16	45 BEND	4	EA	1,782.50	\$ 7,130.00
170	XXII.2	24	11.25 BEND	1	EA	4,344.22	\$ 4,344.22
180	XXII.2	24	22.5 BEND	-	EA	-	\$ -
190	XXII.2	24	45 BEND	12	EA	4,530.20	\$ 54,362.40
200	XXII.2	24	90 BEND	1	EA	4,278.65	\$ 4,278.65
210	XXII.2	24	TEE	-	EA	-	\$ -
220	XXII.2	24	CAP	2	EA	2,127.46	\$ 4,254.92
230	XXII.2	30	11.25 BEND	8	EA	7,482.18	\$ 59,857.46
240	XXII.2	30	22.5 BEND	2	EA	6,368.48	\$ 12,736.96
250	XXII.2	30	45 BEND	15	EA	7,891.76	\$ 118,376.35
260	XXII.2	30X24	REDUCER	4	EA	5,482.14	\$ 21,928.56
270	XXII.2	30X16	TEE	3	EA	8,699.08	\$ 26,097.25
280	XXII.2	36	11.25 BEND	16	EA	8,996.35	\$ 143,941.54
290	XXII.2	36	22.5 BEND	3	EA	9,169.42	\$ 27,508.26
300	XXII.2	36	45 BEND	8	EA	9,823.02	\$ 78,584.17
310	XXII.2	36X24	TEE	1	EA	11,540.87	\$ 11,540.87
320	XXII.2	36X30	REDUCER	11	EA	8,375.00	\$ 92,124.96
330	XXII.2	36	CAP	1	EA	5,157.94	\$ 5,157.94
340	XXII.2	42	11.25 BEND	2	EA	10,525.65	\$ 21,051.29
350	XXII.2	42X36	REDUCER	2	EA	11,205.05	\$ 22,410.09
360	XXIII.1	16	GATE VALVE	1	EA	6,614.33	\$ 6,614.33
370	XXIII.1	24	GATE VALVE	4	EA	19,437.15	\$ 77,748.60
380	XXIII.1	30	GATE VALVE	24	EA	33,193.92	\$ 796,654.19
390	XXIII.1	36	GATE VALVE	3	EA	50,455.85	\$ 151,367.55
400	XXIV.1	30	RWM HDD, DR 11 IPS HDPE	1,700	LF	396.77	\$ 674,516.88
410	XXIV.1	36	RWM HDD, DR 11 IPS HDPE	5,875	LF	610.21	\$ 3,584,977.38
420	XXIV.1	42	RWM HDD, DR 13.5 IPS HDPE	1,700	LF	671.41	\$ 1,141,393.00
430	XXII.3	30	JACK & BORE STEEL CASING	170	LF	1,923.57	\$ 327,006.25
440	XXII.3	48	JACK & BORE STEEL CASING	415	LF	2,794.42	\$ 1,159,682.63
450	XXII.3	42	OPEN CUT STEEL CASING	1,640	LF	548.44	\$ 899,448.84
460	XXIII.5	2	OFFSET ARV ASSEMBLY	31	EA	9,202.60	\$ 285,280.68
470	XXIII.4	24	CONNECT TO EXISTING RWM - VALLEY RIDGE	1	EA	12,868.48	\$ 12,868.48
480	XXIII.4	20	CONNECT TO EXISTING RWM - BARTRAM RWM	1	EA	29,551.12	\$ 29,551.12
490	XXIII.4	16	CONNECT TO EXISTING RWM - WELLS CREEK RD	1	EA	3,016.12	\$ 3,016.12
500	XXIII.4	24	CONNECT TO EXISTING RWM - CR 210	1	EA	9,466.08	\$ 9,466.08
510	XXII.2	30	90 BEND	7	EA	8,421.73	\$ 58,952.12
520	XXII.2	30X20	TEE	1	EA	9,042.01	\$ 9,042.01
530	XXIII.1	20	GATE VALVE	1	EA	14,698.01	\$ 14,698.01
540	XXII.2	20	PLUG	1	EA	1,553.81	\$ 1,553.81
550	XXIII.4	20	CONNECT TO EXISTING RWM - US1 RWM BPS	1	EA	27,938.62	\$ 27,938.62

M	L	E	S/O	TAX	MH
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 40,453.61	\$ 11,280.20	\$ 5,655.84	\$ 13,537.95	\$ 3,074.65	264.46
\$ 303,033.95	\$ 73,077.69	\$ 53,875.08	\$ 73,526.22	\$ 22,994.99	1,551.99
\$ 4,444,382.48	\$ 867,610.71	\$ 651,944.01	\$ 675,936.58	\$ 336,506.99	18,310.66
\$ 490,642.09	\$ 82,396.09	\$ 58,934.08	\$ 51,683.69	\$ 37,099.26	1,766.84
\$ 7,140.20	\$ 540.36	\$ 432.13	\$ 3.24	\$ 537.50	11.16
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 66.00	\$ -	\$ -	\$ -	\$ 4.95	-
\$ 711.00	\$ 1,688.63	\$ 1,350.40	\$ -	\$ 59.53	34.88
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 5,607.84	\$ -	\$ -	\$ -	\$ 420.59	-
\$ 25,830.50	\$ -	\$ -	\$ -	\$ 1,937.29	-
\$ 464,893.80	\$ -	\$ -	\$ -	\$ 34,867.04	-
\$ 93,069.06	\$ -	\$ -	\$ -	\$ 6,980.18	-
\$ 1,562.20	\$ 887.20	\$ 444.84	\$ -	\$ 120.36	20.80
\$ 4,148.40	\$ 1,774.40	\$ 889.68	\$ -	\$ 317.52	41.60
\$ 2,152.63	\$ 1,125.75	\$ 900.27	\$ -	\$ 165.58	23.25
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 27,907.50	\$ 13,509.00	\$ 10,803.19	\$ -	\$ 2,142.71	279.00
\$ 2,091.63	\$ 1,125.75	\$ 900.27	\$ -	\$ 161.01	23.25
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 2,447.25	\$ 900.60	\$ 720.21	\$ -	\$ 186.85	18.60
\$ 35,537.20	\$ 12,008.00	\$ 9,602.83	\$ -	\$ 2,709.42	248.00
\$ 6,812.30	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 521.96	62.00
\$ 72,347.25	\$ 22,515.00	\$ 18,005.31	\$ -	\$ 5,508.79	465.00
\$ 12,844.60	\$ 4,503.00	\$ 3,601.06	\$ -	\$ 979.89	93.00
\$ 16,722.45	\$ 4,503.00	\$ 3,601.06	\$ -	\$ 1,270.73	93.00
\$ 93,610.80	\$ 24,016.00	\$ 19,205.67	\$ -	\$ 7,109.07	496.00
\$ 18,035.03	\$ 4,503.00	\$ 3,601.06	\$ -	\$ 1,369.18	93.00
\$ 52,957.40	\$ 12,008.00	\$ 9,602.83	\$ -	\$ 4,015.94	248.00
\$ 8,217.68	\$ 1,501.00	\$ 1,200.35	\$ -	\$ 621.84	31.00
\$ 57,999.43	\$ 16,511.00	\$ 13,203.90	\$ -	\$ 4,410.64	341.00
\$ 4,042.68	\$ 450.30	\$ 360.11	\$ -	\$ 304.86	9.30
\$ 13,539.35	\$ 3,602.40	\$ 2,880.85	\$ -	\$ 1,028.69	74.40
\$ 14,803.35	\$ 3,602.40	\$ 2,880.85	\$ -	\$ 1,123.49	74.40
\$ 4,642.05	\$ 900.60	\$ 720.21	\$ -	\$ 351.46	18.60
\$ 62,252.20	\$ 6,004.00	\$ 4,801.42	\$ -	\$ 4,690.98	124.00
\$ 680,641.20	\$ 36,024.00	\$ 28,808.50	\$ -	\$ 51,180.49	744.00
\$ 131,742.15	\$ 5,403.60	\$ 4,321.27	\$ -	\$ 9,900.52	111.60
\$ 275,469.50	\$ 18,321.60	\$ 11,872.92	\$ 348,126.00	\$ 20,726.86	404.40
\$ 1,377,837.25	\$ 115,092.61	\$ 73,826.24	\$ 1,914,465.00	\$ 103,756.28	2,547.44
\$ 486,136.00	\$ 20,351.92	\$ 12,890.92	\$ 585,480.00	\$ 36,534.16	452.00
\$ 24,392.45	\$ 15,593.00	\$ 9,161.53	\$ 275,973.34	\$ 1,885.92	353.00
\$ 60,982.40	\$ 52,005.66	\$ 37,619.20	\$ 1,004,311.55	\$ 4,763.83	1,111.22
\$ 501,959.00	\$ 199,173.08	\$ 154,938.90	\$ 5,000.00	\$ 38,377.86	4,154.12
\$ 178,303.34	\$ 59,428.30	\$ 33,961.23	\$ -	\$ 13,587.81	1,354.30
\$ 4,416.63	\$ 4,503.00	\$ 3,601.06	\$ -	\$ 347.80	93.00
\$ 16,884.05	\$ 5,628.75	\$ 4,501.33	\$ 1,250.00	\$ 1,286.99	116.25
\$ 1,253.10	\$ 1,109.00	\$ 556.05	\$ -	\$ 97.98	26.00
\$ 5,028.63	\$ 2,251.50	\$ 1,800.53	\$ -	\$ 385.42	46.50
\$ 37,213.05	\$ 10,507.00	\$ 8,402.48	\$ -	\$ 2,829.59	217.00
\$ 5,893.15	\$ 1,501.00	\$ 1,200.35	\$ -	\$ 447.50	31.00
\$ 11,784.05	\$ 1,125.75	\$ 900.27	\$ -	\$ 887.94	23.25
\$ 690.00	\$ 450.30	\$ 360.11	\$ -	\$ 53.40	9.30
\$ 15,384.05	\$ 5,628.75	\$ 4,501.33	\$ 1,250.00	\$ 1,174.49	116.25

GCI ITEM #	OWNER ITEM #	SIZE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
560	XXIII.4	20	CONNECT TO EXISTING RWM - CROSS RIDGE	1	EA	27,938.62	\$ 27,938.62
570	XXII.2	30	TEE	1	EA	11,037.21	\$ 11,037.21
580	XXII.2	24X16	REDUCER	1	EA	3,907.77	\$ 3,907.77
590	-	-	<b>RAW WATER MAIN SYSTEM - 9B CROSSING</b>	-	-	-	\$ -
600	XIII.1	30	RAW WM DIP, CL. 200	551	LF	269.17	\$ 148,313.08
610	XIII.1	36	RAW WM DIP, CL. 200	14	LF	359.28	\$ 5,029.95
620	XIII.4	30	RAW WM POLYETHYLENE WRAP	-	LF	-	\$ -
630	XIII.6	30	RAW WM JOINT RESTRAINTS	16	EA	1,407.78	\$ 22,524.43
640	XIII.2	30	11.25 BEND	1	EA	7,482.18	\$ 7,482.18
650	XIII.2	30	22.5 BEND	-	EA	-	\$ -
660	XIII.2	30	45 BEND	2	EA	7,891.76	\$ 15,783.51
670	XIII.2	30	CAP	2	EA	3,582.44	\$ 7,164.89
680	XIII.2	36	11.25 BEND	2	EA	7,530.56	\$ 15,061.11
690	XIII.2	36X30	REDUCER	2	EA	8,354.01	\$ 16,708.01
700	XIV.3	30	GATE VALVE	2	EA	33,219.72	\$ 66,439.45
710	XXIV.1	36	RAW WM HDD, DR 11 DIPS HDPE	1,730	LF	617.27	\$ 1,067,879.53
720	XIV.9	2	AIR RELEASE VALVE	2	EA	9,351.09	\$ 18,702.18
730	-	-	<b>FORCE MAIN SYSTEM - 9B CROSSING - MOVED TO FM GMP</b>	-	-	-	\$ -
870	XVII.1	-	CLEARING & GRUBBING	15.50	ACRES	28,850.35	\$ 447,180.43
880	XVII.1	-	EROSION CONTROL	51,000	LF	3.44	\$ 175,301.24
890	XVII.1	-	TEMPORARY TRAFFIC CONTROL (TTC)	1	LS	315,799.93	\$ 315,799.93
900	VIII	-	GRASSING	106,075	SY	2.85	\$ 302,242.74
910	XI	-	FENCING	845	LF	10.13	\$ 8,557.50
920	IX.1	-	REMOVAL OF PAVING	3,120	SY	17.27	\$ 53,879.51
930	IX.2	-	ASPHALT PAVEMENT REPAIR	3,120	SY	68.85	\$ 214,802.89
940	IX.6	-	ASPHALT MILLING AND RESURFACING	6,300	SY	23.27	\$ 146,589.12
950	X.1	-	REMOVAL OF SIDEWALK	-	SY	-	\$ -
960	X.2	-	REMOVAL OF DRIVEWAY	-	SY	-	\$ -
970	X.3	-	REMOVAL OF CURB & GUTTER	90	LF	8.12	\$ 730.80
980	X.4	-	INSTALLATION OF SIDEWALK	-	SY	-	\$ -
990	X.5	-	INSTALLATION OF DRIVEWAYS	-	SY	-	\$ -
1,000	X.6	-	INSTALLATION OF CURB & GUTTER	90	LF	46.05	\$ 4,144.15
1,010	XII.1	-	INSTALLATION OF DRAINAGE PIPE	72	LF	316.48	\$ 22,786.38
1,020	XII.2	-	INSTALLATION OF STRUCTURES	-	EA	-	\$ -
1,030	N/A	-	DIRT ROAD RESTORATION	7,100	SY	24.54	\$ 174,227.81
1,040	N/A	-	FEC FLAGMEN	381	DAYS	-	\$ -
1,050	-	-	<b>RECLAIMED WATER MAIN SERVICE CONNECTIONS</b>	-	-	-	\$ -
1,060	XXII.1	4	RWM DIP, CL. 350	4	LF	138.19	\$ 552.77
1,070	XXII.1	8	RWM DIP, CL. 350	438	LF	177.07	\$ 77,555.24
1,080	XXII.6	8	RWM JOINT RESTRAINTS	23	EA	111.89	\$ 2,573.38
1,090	XXII.2	8	22.5 BEND	-	EA	-	\$ -
1,100	XXII.2	8	45 BEND	8	EA	513.35	\$ 4,106.83
1,110	XXII.2	8	90 BEND	2	EA	543.45	\$ 1,086.91
1,120	XXII.2	30X8	TEE	2	EA	7,743.92	\$ 15,487.84
1,130	XXII.2	8X4	REDUCER	1	EA	420.34	\$ 420.34
1,140	XXIII.1	8	GATE VALVE	2	EA	1,779.74	\$ 3,559.47
1,150	XXII.3	20	JACK & BORE STEEL CASING	325	LF	1,500.00	\$ 487,498.83
1,160	XXIII.4	8	CONNECT TO EXISTING RWM - COMMERCIAL PARK	1	EA	1,970.04	\$ 1,970.04
1,170	XXIII.4	6	CONNECT TO EXISTING RWM - WILLIAMSTOWN	1	EA	5,835.21	\$ 5,835.21
1,180	X.1	-	REMOVAL OF SIDEWALK	223	SY	47.27	\$ 10,541.23
1,190	X.4	-	INSTALLATION OF SIDEWALK	223	SY	77.68	\$ 17,323.64
1,200	VIII	-	LANDSCAPING & GRASSING RESTORATION	1	LS	68,436.17	\$ 68,436.17
1,250	-	-	<b>FIBER OPTIC CABLE SYSTEM</b>	-	-	-	\$ -
1,260	IX	4	FIBER CONDUIT W/ 3-1" INNER DUCTS - OPEN CUT	2,243	LF	32.30	\$ 72,443.64
1,270	IX	6	FIBER HDD - DR 13.5 IPS W/ 3-1" INNER DUCTS	1,865	LF	51.44	\$ 95,937.29
1,280	IX	-	FIBER MANHOLE - JEA FURNISHED	8	EA	625.00	\$ 5,000.00

M	L	E	S/O	TAX	MH
\$ 15,384.05	\$ 5,628.75	\$ 4,501.33	\$ 1,250.00	\$ 1,174.49	116.25
\$ 7,749.15	\$ 1,501.00	\$ 1,200.35	\$ -	\$ 586.70	31.00
\$ 1,746.63	\$ 1,125.75	\$ 900.27	\$ -	\$ 135.13	23.25
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 95,138.17	\$ 16,548.05	\$ 11,199.65	\$ 18,231.52	\$ 7,195.68	360.80
\$ 3,794.20	\$ 525.35	\$ 420.12	\$ 3.78	\$ 286.50	10.85
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 20,952.96	\$ -	\$ -	\$ -	\$ 1,571.47	-
\$ 4,442.15	\$ 1,501.00	\$ 1,200.35	\$ -	\$ 338.68	31.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 9,646.30	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 734.51	62.00
\$ 5,154.20	\$ 900.60	\$ 720.21	\$ -	\$ 389.87	18.60
\$ 8,974.30	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 684.11	62.00
\$ 10,506.30	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 799.01	62.00
\$ 56,768.10	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 4,268.64	62.00
\$ 431,126.65	\$ 23,317.49	\$ 15,721.12	\$ 565,294.80	\$ 32,419.47	508.96
\$ 9,676.18	\$ 5,336.60	\$ 2,944.40	\$ -	\$ 745.00	122.60
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ 48,849.23	\$ 24,492.77	\$ 373,662.50	\$ 175.93	1,145.25
\$ 18,250.00	\$ 33,270.00	\$ 16,681.42	\$ 106,980.00	\$ 119.82	780.00
\$ 209,388.40	\$ 37,706.00	\$ 18,905.61	\$ 33,960.00	\$ 15,839.93	884.00
\$ 15,000.00	\$ 67,221.24	\$ 33,704.41	\$ 184,950.00	\$ 1,367.09	1,575.97
\$ -	\$ -	\$ -	\$ 8,557.50	\$ -	-
\$ -	\$ 11,239.49	\$ 8,988.25	\$ 33,610.47	\$ 41.31	232.13
\$ 52,000.00	\$ 34,600.80	\$ 17,348.67	\$ 106,828.80	\$ 4,024.61	811.20
\$ 3,000.00	\$ 3,327.00	\$ 1,668.14	\$ 138,357.00	\$ 236.98	78.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ 443.60	\$ 222.42	\$ 63.18	\$ 1.60	10.40
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 416.67	\$ 362.95	\$ 181.98	\$ 3,150.00	\$ 32.56	8.51
\$ 4,200.00	\$ 10,131.75	\$ 8,102.39	\$ -	\$ 352.24	209.25
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 113,079.33	\$ 34,995.11	\$ 17,546.38	\$ -	\$ 8,606.98	820.44
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 513.20	\$ -	\$ -	\$ 1.08	\$ 38.49	-
\$ 31,187.00	\$ 12,199.00	\$ 6,116.52	\$ 25,669.76	\$ 2,382.96	286.00
\$ 2,393.84	\$ -	\$ -	\$ -	\$ 179.54	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 2,164.20	\$ 1,182.93	\$ 593.12	\$ -	\$ 166.58	27.73
\$ 597.05	\$ 295.73	\$ 148.28	\$ -	\$ 45.84	6.93
\$ 9,371.25	\$ 3,002.00	\$ 2,400.71	\$ -	\$ 713.88	62.00
\$ 184.00	\$ 147.87	\$ 74.14	\$ -	\$ 14.33	3.47
\$ 2,690.10	\$ 443.60	\$ 222.42	\$ -	\$ 203.36	10.40
\$ 8,978.00	\$ 22,180.00	\$ 11,120.95	\$ 444,466.65	\$ 753.23	520.00
\$ 280.00	\$ 1,109.00	\$ 556.05	\$ -	\$ 24.99	26.00
\$ 1,881.05	\$ 2,218.00	\$ 1,112.09	\$ 475.00	\$ 149.07	52.00
\$ -	\$ 6,594.85	\$ 3,306.63	\$ 616.00	\$ 23.75	154.61
\$ -	\$ 1,109.00	\$ 556.05	\$ 15,654.60	\$ 3.99	26.00
\$ -	\$ 4,436.00	\$ 2,224.19	\$ 61,760.00	\$ 15.98	104.00
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ 72,443.64	\$ -	-
\$ 21,206.25	\$ 554.50	\$ 278.02	\$ 72,306.05	\$ 1,592.47	13.00
\$ -	\$ -	\$ -	\$ 5,000.00	\$ -	-

GCIITEM #	OWNER ITEM #	SIZE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1,290	IX	-	144CT FIBER OPTIC CABLE - JEA FURNISHED	5,800	LF	1.10	\$ 6,380.00
1,300	IX	-	CONTROL HOUSE MODIFICATIONS	-	LS	-	\$ -
1,310	IX	-	ASPHALT REMOVAL	410	SF	8.50	\$ 3,485.00
1,320	IX	-	ASPHALT REPLACEMENT	410	SF	11.00	\$ 4,510.00
1,330	IX	-	GRAVEL RESTORATION	-	SF	-	\$ -
1,340	IX	-	GRASSING	1	LS	2,500.00	\$ 2,500.00
1,900	-	-	MOBILIZATION	1	LS	246,402.17	\$ 246,402.17
1,910	-	-	DESIGN FEE	1	LS	9,056.00	\$ 9,056.00
1,920	-	-	GENERAL CONDITIONS INCLUDING BOND	1	LS	2,451,790.13	\$ 2,451,790.13
1,930	-	-	DESIGN-BUILDER FEE - 7.5%	1	LS	2,009,802.09	\$ 2,009,802.09
1,940	-	-	-	-	-	-	\$ -
1,970	-	-	-	-	-	-	\$ -
1,980	-	-	-	-	-	-	\$ -
1,990	-	-	-	-	-	-	\$ -
2,000	-	-	-	-	-	-	\$ -
<b>SUBTOTAL</b>							<b>\$ 27,838,732.16</b>
1,950	\$ -	-	PERMITTING ALLOWANCE	1.00	LS	\$ 15,000.00	\$ 15,000.00
<b>ALLOWANCE SUBTOTAL</b>							<b>\$ 15,000.00</b>
1,960	\$ -	-	PROJECT CONTINGENCY	1.00	LS	\$ 2,789,448.00	\$ 2,789,448.00
<b>TOTAL W/ FEE</b>							<b>\$ 30,643,180.16</b>
<b>TOTAL GMP</b>							<b>\$ 30,643,180.16</b>

M	L	E	S/O	TAX	MH
\$ -	\$ -	\$ -	\$ 6,380.00	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ 3,485.00	\$ -	-
\$ -	\$ -	\$ -	\$ 4,510.00	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ 2,500.00	\$ -	-
\$ 37,903.60	\$ 42,477.00	\$ 28,014.16	\$ 135,010.00	\$ 2,997.41	933.00
\$ -	\$ -	\$ -	\$ 9,056.00	\$ -	-
\$ 662,193.69	\$ 539,747.22	\$ -	\$ 1,200,184.69	\$ 49,664.53	5,696.33
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ -	\$ -	\$ -	\$ -	\$ -	-
\$ 12,084,450.83	\$ 2,717,881.36	\$ 1,528,718.81	\$ 8,584,961.58	\$ 912,917.48	52675.75

<b>RWM MATERIALS PURCHASE (INCLUDED IN GMP)</b>						<b>\$ 4,328,023.41</b>
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# Formal Bid and Award System

Award #3 February 17, 2022

**Type of Award Request:** CONTRACT INCREASE  
**Requestor Name:** Domingo, Oliver  
**Requestor Phone:** (904) 665-6325  
**Project Title:** Water/Wastewater Capital Program Management  
**Project Number:** 428-130  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$6,724,253.00 (awarding to budget estimate)

**Scope of Work:**

JEA is seeking a vendor (also referred to as the “Company”) that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA’s Water/Wastewater (W/WW) capital improvement program as required by JEA (the “Work” or “Services”).

**JEA IFB/RFP/State/City/GSA#:** 062-19  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** NO

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes@jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	\$6,724,253.00

**Amount of Original Award:** \$10,354,970.00  
**Date of Original Award:** 06/13/2019

**List of Previous Change Order/Amendments**

CPA #	Amount	Date	Reason
182848	\$11,762,643.00	03/05/2020	FY20 Task Orders
182848	\$7,048,749.00	3/25/2021	FY21 Task Orders
182848	(\$5,354,716.00)	04/14/2021	Reduction in scope and fee in executed contract amendment (see ratification/background sections)
182848	\$3,145,619.00	09/09/2021	FY22 Task Orders

**Contract Increase Amount:** \$6,724,253.00  
**New Not-To-Exceed Amount:** \$33,681,518.00  
**Length of Contract/PO Term:** Five (5) Years w/Two (2) - 1 Yr. Renewals  
**Begin Date:** 07/01/2019  
**End Date:** 06/30/2024  
**Renewal Options:** Yes – Two (2) – 1 Yr. Renewals  
**JSEB Requirement:** N/A

**Comments on JSEB Requirements:**

Original Award:

N/A

This Change Order:

Each task order will be reviewed for JSEB requirements before authorization

\*JSEB Note: JSEB participation so far under this contract is set at \$5,773,109.00 for the various task orders.

**Background/Recommendations:**

Originally approved by Awards Committee on 06/13/2019 in the amount of \$10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20 in the amount of \$11,762,643.00. A contract increase was approved on 03/25/2021 by the Awards Committee for work during FY21 in the amount of \$7,048,749.00. Additionally, a contract increase was approved by the Awards Committee on 09/21/2021 for work during FY22 in the amount of \$3,145,619.00. Copies of the previous awards are attached as backup.

This a contract increase request to the Program Management contract of Jacobs Engineering Group Inc. to cover an additional FY22 task order. The task covers installation of a chilled water line from the Hogans Creek District Energy System (DES) plant to the upcoming Jaguars Performance Facility. The new chilled water line will allow JEA to add this new facility to our DES customer base, and allow for the possible future expansion to the stadium. JEA is awarding to our budget estimate for engineering, services during construction and construction for this project. The final project budget will be completed once a design has been progressed to a point accurate estimating can be accomplished. A copy of the project definition is attached for reference.

The scope of work of this task order will consist of the design and construction of approximately 1,800 LF of 20" chilled water mains (supply and return) from the existing system to a vault at the northwest corner of the Stadium, primarily within the Duval Street corridor, via the Progressive Design-Build method. The method of construction will be mixed due to the presence of numerous adjacent utilities (large diameter water and force mains, high voltage electrical underground crossings). The project will include the installation of the energy delivery station to the Jaguars Performance Facility (coordinated with and designed by others) and stub-out for future stadium connection. The requested start date for chilled water service at this facility is March 2023.

Request approval to award a ratification of a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of \$6,724,253.00 for a new not-to-exceed amount of \$33,681,518.00, subject to the availability of lawfully appropriated funds.

**Director:** Conner, Sean M. - Dir W/WW Project Engineering & Construction

**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**



## Formal Bid and Award System

Award #2 September 9, 2021

**Type of Award Request:** CONTRACT AMENDMENT  
**Requestor Name:** Domingo, Oliver  
**Requestor Phone:** (904) 665-6325  
**Project Title:** Water/Wastewater Capital Program Management  
**Project Number:** 425-14; 10100  
**Project Location:** JEA  
**Funds:** Capital, O&M  
**Budget Estimate:** \$4,485,183.00 (Funding from well rehab index #425-14: \$2,936,451.00, and cost center 10100: \$209,168.00)

### Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

**JEA IFB/RFP/State/City/GSA#:** 062-19  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** YES (Partial)

After Award Committee approval on 03/25/2021, JEA removed part of the approved scope and fee from the approved contract amendment amount of \$7,048,749.00, resulting in an amendment increase of only \$1,694,033.00. This resulted in a reduction of the approved contract NTE in the amount (\$5,354,716.00) which requires Awards Committee approval.

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes@jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	\$3,145,619.00

**Amount of Original Award:** \$10,354,970.00

**Date of Original Award:** 06/13/2019

### List of Previous Change Order/Amendments

CPA #	Amount	Date	Reason
182848	\$11,762,643.00	03/05/2020	FY20 Task Orders
182848	\$7,048,749.00	3/25/2021	FY21 Task Orders
182848	(\$5,354,716.00)	04/14/2021	Reduction in scope and fee in executed contract amendment (see ratification/background sections)

**Contract Increase Amount:** \$3,145,619.00

**New Not-To-Exceed Amount:** \$26,957,265.00  
**Length of Contract/PO Term:** Five (5) Years w/Two (2) - 1 Yr. Renewals  
**Begin Date:** 07/01/2019  
**End Date:** 06/30/2024  
**Renewal Options:** Yes – Two (2) – 1 Yr. Renewals  
**JSEB Requirement:** N/A

**Comments on JSEB Requirements:**

Original Award:  
N/A

This Change Order:

Each task order will be reviewed for JSEB requirements before authorization

\*JSEB Note: JSEB participation so far under this contract is set at \$5,773,109.00 for the various task orders. Actual JSEB spend under this contract is \$1,813,089.39 for services billed to date.

**Background/Recommendations:**

Originally approved by Awards Committee on 06/13/2019 in the amount of \$10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20 in the amount of \$11,762,643.00. A contract increase was approved on 03/25/2021 by the Awards Committee for work during FY21 in the amount of \$7,048,749.00. A copy of the previous awards are attached as backup.

During contract execution for the FY21 amendment approved by the Awards Committee on 03/25/2021, JEA determined that the scope of work for FY21 task orders be reduced to only wellfield rehabilitation services. This resulted in a decrease of the contract amendment NTE in the amount of (\$5,354,716.00). Since this decrease was not brought before the Awards Committee it has resulted in this ratification request.

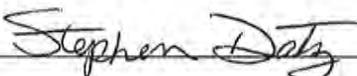
This award request is also for a contract increase to the program management contract of Jacobs Engineering Group Inc. to cover the additional task order amounts needed for FY22. The funding breakdown for the task orders is attached as backup. The task orders being authorized under this contract increase request are listed below.

1. TO-W8 Wellfield Rehabilitation Subprogram - FY22 Well Rehabilitation Services - \$2,936,451.00
2. TO-BSS Business Strategy Services in support of DES - \$209,168.00 (Phases 1 & 2 of attached quote)

Request approval to award a ratification of reduction in contract scope and fee in the amount of (\$5,354,716.00) and a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of \$3,145,619.00, for a new not-to-exceed amount of \$26,957,265.00, subject to the availability of lawfully appropriated funds.

**Director:** Conner, Sean M., - Dir W/WW Project Engineering & Construction  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

 9/9/21

**Chairman, Awards Committee**

**Date**

John A. W. M. 9/9/21

**Budget Representative**

**Date**



## Formal Bid and Award System

Award #11 June 13, 2019

**Type of Award Request:** PROPOSAL (RFP)  
**Request #:** 6531  
**Requestor Name:** Domingo, Oliver. – Program Manager  
**Requestor Phone:** (904) 665-6325  
**Project Title:** Water/Wastewater Capital Program Management  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$12,500,000.00

**Scope of Work:**

JEA is seeking a vendor (also referred to as the “Company”) that can provide the following services: program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation, large diameter pipe design and construction, and various other programs as needed to support JEA’s Water/Wastewater (W/WW) capital improvement program as required by JEA (the “Work” or “Services”).

This award impacts the following JEA’s Measures of Value:

- Customer Value – JEA’s investment in improving services and assets through this program will add value to customers by executing projects that will improve JEA’s operational capabilities with regards to water and wastewater management while also improving service reliability.
- Community Impact Value – This program will stimulate local economic development through the execution of design and construction contracts while supporting the Jacksonville Small & Emerging Business program.
- Environmental Value – Management of the Southside Water Transmission Pipeline and Wellfield Rehabilitation and Replacement Programs under a single Program Manager is critical to the success of both programs. These two large programs will play a significant role in the utilization and management of Northeast Florida’s water resources by providing solutions for water conveyance between the North and South water grids and wellfield improvements for a reliable water supply. The execution of both of these two programs will require significant investments in resources, coordination and planning that a Program Manager will bring to the table.
- Financial Value – Program Manager will bring financial value by completing tasks efficiently and in a more timely manner than conducting these tasks as individual projects.

**JEA IFB/RFP/State/City/GSA#:** 062-19  
**Purchasing Agent:** Kruck, Daniel R.  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	<a href="mailto:Mike.dykes@jacobs.com">Mike.dykes@jacobs.com</a>	200 W Forsyth Street, Suite 1520, Jacksonville, FL 32202	(904) 442-2286	\$10,354,970.00

**Amount for entire term of Contract/PO:** \$10,354,970.00  
**Award Amount for remainder of this FY:** \$2,052,415.00  
**Length of Contract/PO Term:** Five (5) Years w/Two (2) - 1 Yr. Renewals  
**Begin Date (mm/dd/yyyy):** 07/01/2019  
**End Date (mm/dd/yyyy):** 06/30/2024  
**Renewal Options:** Yes – Two (2) – 1 Yr. Renewals  
**JSEB Requirement:** N/A – Optional for Phase 1 Startup

**Comments on JSEB Requirements:**

No JSEB requirement for Phase 1 startup. There will specific JSEB goals for each task order authorized tailored to that project.

**PROPOSERS:**

Name	Amount	Rank
JACOBS ENGINEERING GROUP INC.	\$10,354,970.00	1
BLACK & VEATCH CORPORATION	N/A	2
AECOM TECHNICAL SERVICES, INC.	N/A	3
HASKELL COMPANY	N/A	4

**Background/Recommendations:**

Advertised on 02/18/2019. Ten (10) prime companies attended the mandatory pre-proposal meeting held on 02/25/2019. At proposal opening on 03/19/2019, JEA received four (4) proposals. The public evaluation meeting was held on 04/03/2019 and JEA deemed Jacobs Engineering Group Inc. most qualified to perform the work. A copy of the evaluation matrix and negotiated fees for Phase1 are attached as backup.

This Program Management contract will consist of three (3) main sub-programs: Southside Integrated Piping System (SIPS), Wellfield Rehabilitation, and Large Diameter Piping. The SIPS sub-program consists of designing and constructing five (5) raw water pipelines that will traverse the Jacksonville Southside area to move raw water from the current river crossing to water treatment plants in the South Grid. This strategy will allow JEA to meet the projected customer growth in the South Grid without increasing the CUP. The Wellfield Rehabilitation sub-program will work in conjunction with SIPS to identify and prioritize under producing wells and bring them back to acceptable production. This sub-program in particular is well suited for delivery by a program manager as it requires a holistic approach to prioritizing, designing, and rehabilitating or constructing new wells as well as managing the work to provide uninterrupted service. The large diameter pipe sub-program will be responsible for designing and constructing large pipelines that have been identified as high-risk by the current Large Diameter Pipe Program managed by Arcadis. Constructing these pipelines under one program will increase competition by encouraging out-of-market firms to participate while reducing design and construction management overhead costs.

FY19 will be the first phase of the program: Program Kickoff. For the remainder of the fiscal year, Jacobs will work with JEA to set up program communication, reporting, billing, and other protocol as well as determine the specific delivery structure for each sub-program. Activities in Phase 1 also include fast-start design work to get critical activities started. The first critical fast-start activity of note is the route study needed to setup the SIPS sub-program.

Negotiations with Jacobs Engineering were successfully completed for Phase 1. The monthly invoices will be matched to the appropriate capital budget project. The negotiated rates were compared to current rates for engineering services on other projects through current contracts and deemed reasonable. Future years will be funded by sub-program through various task orders. These task orders will be negotiated and funded using both traditional and alternative delivery methods. It is currently expected that some of this work will be contracted using "at-risk" methods where the contractor's fee is tied to performance based metrics. Negotiations resulted in cost savings of \$1,121,707.06 for Phase 1 from the originally proposed fee.

The original cost of Program Manager services to support the W/WW Capital Improvement Plan was estimated at \$50,000,000.00 over five years. This initial estimate was calculated by taking 5% of the projected five-year capital spend of \$1.04B from FY19-FY23. This equated to an estimated average budget of \$10,000,000.00 per fiscal year of the five year contract with an estimated budget of \$12,500,000.00 for FY19 and FY20. The final negotiated fee for FY19 and FY20 services is \$10,354,970.00; a difference of \$2,145,030.00 less than the original estimate of \$12,500,000.00.

**Contract Budget Details:**

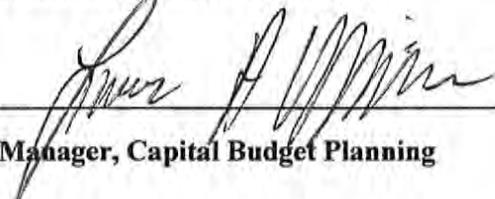
- FY19: \$2,052,415.00
- FY20: \$8,302,555.00

062-19 – Request approval to award a contract to Jacobs Engineering Group Inc. for Water/Wastewater Capital Program Management in the amount of \$10,354,970.00, subject to the availability of lawfully appropriated funds.

**Director:** Conner, Sean M., - Dir W/WW Project Engineering & Construction  
**VP:** Calhoun, Deryle I. - VP/GM Water Wastewater Systems

**APPROVALS:**

  
\_\_\_\_\_  
**Chairman, Awards Committee**                      **Date**                      6/13/19

  
\_\_\_\_\_  
**Manager, Capital Budget Planning**                      **Date**                      6/13/19



## Formal Bid and Award System

Award #2 March 05, 2020

**Type of Award Request:** CONTRACT INCREASE  
**Requestor Name:** Domingo, Oliver  
**Requestor Phone:** (904) 665-6325  
**Project Title:** Water/Wastewater Capital Program Management  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$11,762,643.00

### Scope of Work:

JEA is seeking a vendor (also referred to as the "Company") that can provide the following services: program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation, large diameter pipe design and construction, and various other programs as needed to support JEA's Water/Wastewater (W/WW) capital improvement program as required by JEA (the "Work" or "Services").

**JEA IFB/RFP/State/City/GSA#:** 062-19  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes@jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	\$11,762,643.00

**Amount of Original Award:** \$10,354,970.00  
**Date of Original Award:** 06/13/2019  
**Contract Increase Amount:** \$11,762,643.00  
**New Not-To-Exceed Amount:** \$22,117,613.00  
**Length of Contract/PO Term:** Five (5) Years w/Two (2) - 1 Yr. Renewals  
**Begin Date (mm/dd/yyyy):** 07/01/2019  
**End Date (mm/dd/yyyy):** 06/30/2024  
**Renewal Options:** Yes – Two (2) – 1 Yr. Renewals  
**JSEB Requirement:** N/A

### Comments on JSEB Requirements:

Original Award:

N/A

This Change Order:

Each task order will be reviewed for JSEB requirements

**Background/Recommendations:**

Originally approved by Awards Committee on 06/13/2019 in the amount of \$10,354,970.00 to Jacobs Engineering Group Inc. A copy of the original award is attached as backup.

In this Program work is authorized via task orders. Before a task order can be authorized there needs to be sufficient cap within the contract to cover the task order. Once sufficient cap is established the task order can then be authorized. This award request is for a contract increase to the program management contract of Jacobs Engineering Group Inc. The amount of the contract increase is to cover the additional task order amounts needed for the remainder of FY20. One such task order is TO-L4 which is the task order for the Emergency Repair Work at Buckman St. This task order alone is worth approximately \$5M.

1. TO-P1 Program Management Services Subprogram
2. TO-P2 Program Startup
3. TO-P3 Owners rep services – MarshWagner
4. TO-S1 SIPS Subprogram - Phase 1 Services
5. TO-S2 SIPS Subprogram Startup
6. TO-S3 SIPS - Deerwood - Southside Blvd. Intertie to Deerwood III WTP Pipeline - Design
7. TO-S5 SIPS - Greenland - Deerwood III WTP to Greenland WTP Pipeline - Design
8. TO-L1 LDP Subprogram - Phase 1 Services
9. TO-L2 LDP Subprogram Startup
10. TO-L3 South Shores Sub-Aqueous Force Main Rehabilitation Project
11. TO-L4 Emergency Repair-Buckman St 42" Trunk Sewer-S - JPM
12. TO-L5 LDP-Martin Luther King: Fairfax to Brentwood Water Main Replacement
13. TO-W1 Wellfield Rehabilitation Subprogram - Phase 1 Services
14. TO-W2 Wellfield Rehabilitation Subprogram Startup
15. TO-W3 Wellfield Rehabilitation Subprogram - Group 1 Well Rehabilitation Services
16. TO-W4 New Well Construction

Request approval to award a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of \$11,762,643.00, for a new not-to-exceed amount of \$22,117,613.00, subject to the availability of lawfully appropriated funds.

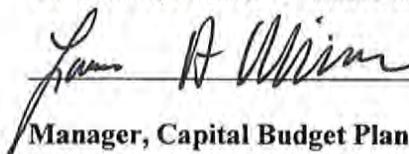
**Director:** Conner, Sean M., - Dir W/WW Project Engineering & Construction

**VP:** Calhoun, Deryle I. - VP/GM Water Wastewater Systems

**APPROVALS:**

 \_\_\_\_\_ 3/5/2020

**Chairman, Awards Committee** **Date**

 \_\_\_\_\_ 3/5/20

**Manager, Capital Budget Planning** **Date**



## Formal Bid and Award System

Award #3 March 25, 2021

**Type of Award Request:** CONTRACT AMENDMENT  
**Requestor Name:** Domingo, Oliver  
**Requestor Phone:** (904) 665-6325  
**Project Title:** Water/Wastewater Capital Program Management  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$7,250,000.00

### Scope of Work:

JEA is seeking a vendor (also referred to as the “Company”) that can provide program management of various large infrastructure programs including the Southside Integrated Piping System (SIPS), wellfield rehabilitation and various other programs as needed to support JEA’s Water/Wastewater (W/WW) capital improvement program as required by JEA (the “Work” or “Services”).

**JEA IFB/RFP/State/City/GSA#:** 062-19  
**Purchasing Agent:** Kruck, Dan  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
JACOBS ENGINEERING GROUP INC.	Mike Dykes	mike.dykes@jacobs.com	200 W Forsyth St., Ste. 1520, Jacksonville, FL 32202	(904) 442-2286	\$7,048,749.00

**Amount of Original Award:** \$10,354,970.00

**Date of Original Award:** 06/13/2019

### List of Previous Change Order/Amendments

CPA #	Amount	Date	Reason
182848	\$11,762,643.00	03/05/2020	FY20 Task Orders

**Contract Increase Amount:** \$7,048,749.00  
**New Not-To-Exceed Amount:** \$29,166,362.00  
**Length of Contract/PO Term:** Five (5) Years w/Two (2) - 1 Yr. Renewals  
**Begin Date (mm/dd/yyyy):** 07/01/2019  
**End Date (mm/dd/yyyy):** 06/30/2024  
**Renewal Options:** Yes – Two (2) – 1 Yr. Renewals  
**JSEB Requirement:** N/A

### Comments on JSEB Requirements:

Original Award:

N/A

This Change Order:

Each task order will be reviewed for JSEB requirements before authorization

**Background/Recommendations:**

Originally approved by Awards Committee on 06/13/2019 in the amount of \$10,354,970.00 to Jacobs Engineering Group Inc. A contract increase was approved on 03/05/2020 by the Awards Committee for work during FY20. A copy of the previous awards are attached as backup.

This Program work is authorized via task orders. Before a task order can be authorized there needs to be sufficient contract cap to cover the task order(s). Once sufficient cap is established the task order(s) can then be authorized. This award request is for a contract increase to the program management contract of Jacobs Engineering Group Inc. to cover the additional task order amounts needed for the remainder of FY21. The funding breakdown for the task orders is attached as backup. The task orders being authorized under this contract increase request are listed below.

1. TO-P3 Owner’s rep services – MarshWagner
2. TO-S3 SIPS - Deerwood - Southside Blvd. Intertie to Deerwood III WTP Pipeline - Design
3. TO-W1 Wellfield Rehabilitation Subprogram - Phase 1 Services
4. TO-W4 Purchase and Installation of Pumps for the W3 Well Rehab Projects
5. TO-W7 St Johns Forest 5 Well Construction

Request approval to award a contract increase to Jacobs Engineering Group Inc. for additional Water/Wastewater Capital Program Management in the amount of \$7,048,749.00, for a new not-to-exceed amount of \$29,166,362.00, subject to the availability of lawfully appropriated funds.

**Director:** Conner, Sean M., - Dir W/WW Project Engineering & Construction

**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

	03/25/2021
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<b>Chairman, Awards Committee</b>	<b>Date</b>
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	3/25/21
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<b>Budget Representative</b>	<b>Date</b>
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## Payment for Services

The total estimated fee for TO-W8 is **\$2,936,451** as summarized in Table 2. Time and materials are the basis of payment for this scope of service. It is expected that Jacobs' fee will be expended during JEA Fiscal Year (FY) 2022 and FY 2023 per the schedule included. A further breakdown of Activities 1 through 11 can be found in Attachment 1.

Monthly invoices will be submitted to JEA. Jacobs may adjust budgets between activities, as shown in Attachment 1, within the total budget to meet the subprogram needs.

**Table 2. Estimated Time and Materials Fee Summary for TO-W8 Activities**

*TO-W8: Wellfield Rehabilitation Subprogram – Group 3 Well Rehabilitation Services*

Activity No.	Description	Labor Subtotal	Jacobs Expenses	Subcontractor Costs	5% Markup	Total
1	Southeast Well No. 2 Rehabilitation Services	\$78,703	\$7,597	\$178,700	\$8,935	\$273,935
2	Ridenour Well No. 4 Rehabilitation Services	\$63,700	\$3,800	\$142,200	\$7,110	\$216,810
3	Ridenour Well No. 5 Rehabilitation Services	\$63,700	\$3,800	\$142,200	\$7,110	\$216,810
4	Julington Creek Well No. 1 Rehabilitation Services	\$78,700	\$3,800	\$178,700	\$8,935	\$270,135
5	Julington Creek Well No. 2 Rehabilitation Services	\$78,700	\$3,800	\$178,700	\$8,935	\$270,135
6	St. Johns North Well No. 4 Rehabilitation Services	\$87,289	\$7,600	\$193,700	\$9,685	\$298,274
7	Brierwood Well No. 1 Rehabilitation Services	\$78,700	\$7,600	\$178,700	\$8,935	\$273,935
8	Arlington Well No. 4 Rehabilitation Services	\$78,700	\$7,600	\$200,700	\$10,035	\$297,035
9	Greenland Well No. 2 Rehabilitation Services	\$63,700	\$7,600	\$161,200	\$8,060	\$240,560
10	Lofton Oaks Well No. 1 Rehabilitation Services	\$78,701	\$7,600	\$183,700	\$9,185	\$279,186
11	Well Rehabilitation Services (TBD)	\$81,300	\$7,600	\$200,700	\$10,035	\$299,635
<b>Total for TO-W8: Wellfield Rehabilitation Subprogram</b>		<b>\$831,894</b>	<b>\$68,397</b>	<b>\$1,939,200</b>	<b>\$96,960</b>	<b>\$2,936,451</b>



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August 20, 2021

Attention: Victor Blackshear  
JEA, Financial Planning & Rates, Manager  
[blacvl@jea.com](mailto:blacvl@jea.com)

Project Name: JEA District Cooling Systems

**Subject: Proposal for DCS Business Strategy Services**

Dear Victor,

Jacobs is pleased to provide this proposal for Business Strategy Services in support of JEA's District Cooling Systems business. We understand that developing and running a successful district cooling business is unique and presents a number of challenges that must be thoroughly understood and evaluated in order to have a successful business operation that provides financial stability for JEA and promotes growth and sustainable development for the city as a whole.

Our proposed approach and scope of services for this project are included in the attached. Services are proposed on a lump sum basis, anticipated to be delivered using the existing JEA Contract No. 182848 - Capital Program Management. If you have any questions related to this proposal, please contact Seth Kraal ([seth.kraal@jacobs.com](mailto:seth.kraal@jacobs.com); 512-732-7513) or me (contact information below). We are please to be of service to JEA with this important evaluation and look forward to starting work quickly upon your authorization.

Sincerely

**Kevin Fox, P.E.**  
Vice President  
817.372.3134  
[kevin.fox@jacobs.com](mailto:kevin.fox@jacobs.com)

Copies to: Seth Kraal  
Mike Dykes

**SCOPE OF WORK**  
August 20, 2021

**PROPOSAL FOR  
DCS BUSINESS STRATEGY SERVICES  
FOR  
JEA DISTRICT COOLING SYSTEMS**

**1.0 INTRODUCTION**

JEA is a public utility serving the need of over 400,000 customers in the greater Jacksonville area with potable water, wastewater, natural gas, electricity, and district energy services. JEA is recognized nationally as a leader in water resource management and sustainability. JEA's mission; "to energize our community through high-value energy and water solutions" solidifies JEA's role as a pillar of reinvestment in the community to the benefit of all of its customers in the Jacksonville area.

JEA and its predecessor agencies have owned and operated district energy infrastructure in Jacksonville since 2003. JEA delivers chilled water to the convention center, Federal buildings, and several medical buildings in the downtown area and medical district. Today, JEA owns and operates chilled water assets that comprise this district energy system, including the three chilled water plants at the locations below.

- Springfield Plant, 2103 Boulevard Street
- Hogan's Creek Plant, 777 East Church Street
- Downtown Plant, 521 West Duval Street

50% of the JEA downtown customer load is committed to the Federal Courthouse and the remaining 50% of the load is committed to State and City facilities. The Springfield Plant's primary customer are the loads within the Shands Facility with 10% of the customer load serving the Proton Beam and Research Laboratory. 90% of the Hogan's Creek customer load is currently held by the Sports Arena with the remainder of the customer load serving the penthouses at the Ballfield.

Between 2018 and 2020, JEA and Jacobs performed master-planning studies on all of JEAs district energy assets in order to determine likely development scenarios and to budget capital outlay. Based on the study findings, discussions with private investors and developers, and input from the Board, JEA anticipates moving forward with continuing to own, operate, and grow the DCS. However, to efficiently own and operate the system in a sustainable manner, JEA must develop a business plan.

With a business plan JEA seeks a plan to maximize the value of the DCS and develop a guide in establishing a chilled water service that is efficient and economical, while also adequately capitalized, expanded, and developed to accommodate the growth and vertical development occurring in downtown Jacksonville. This proposal is for the consulting and advisory services to develop a business plan to optimize operations and grow the DCS.

## **2.0 SCOPE OF WORK**

JEA desires a three-part program to support development of its district cooling systems (DCS). The first two phases are to be started immediately to support near-term development upon the JEA DCSs. The third phase would be implemented in within the colander year and would support of long-term goals of the District Energy business model. The object of the project is to create an all-encompassing strategy to assist with the sustainability and potential growth of JEA' DCS, maximize the benefit of the DCS to the community and the City and equitably distribute resources to existing clients.

Phase I would examine the JEAs current district energy rate structure with respect to similar district cooling providers and evaluate the best practices for utilizing both standard published rates and individually negotiated rates.

Phase II of the program would establish JEAs DCS revenue requirements including its planned system expansions, buildings, equipment, distribution systems, easements and rights of way, and contracts for chilled water services. The second phase will go on to interpret and examine JEAs current rates and structures to help JEA determine their sufficiency to meet the revenue requirements and revenue potential of the DCSs. Jacobs consultants will provide recommendations to the existing rate structure if opportunities for improvement exist.

The third phase (Phase III) of the project would provide business development consulting directed at enhancing JEA's ability to predict prospective customers cost to self-generate HVAC or process cooling and marketing the benefits of district cooling services. The consulting will focus on utilizing rates and connection agreements to help JEA create predictable and profitable revenue streams for both the customer and JEA. Jacobs will provide business and market strategy consulting to engage potential clients and educate them on the benefits of District Cooling and the capital and cost savings associated therein. The strategy will include a cost of service analysis, rate structure development, marketing and communication plans, and other recommendations.

Jacobs will support this endeavor by providing consulting and advisory services for the JEA District Cooling System Business Strategy Consulting Services Task. Jacobs will partner with Sub-consultants as necessary to provide these services.

## **3.0 SCOPE OF SERVICES**

Jacobs will support this endeavor by providing consulting and advisory services as indicated herein for the JEA District Cooling System Business Strategy Services Project.

- 3.1 Phase 1 – Revenue Gap Analysis.** Review JEAs current DCS rates vs industry peers:
- a) Jacobs will compile an industry sampling of similar DCS rates, connection agreements and rates structures for comparison with JEAs rates, connecting agreements and rate structures.
  - b) Jacobs will provide an assessment of available rate structures and connection agreements, detailing the advantages and disadvantages of each option.
  - c) Jacobs will review JEA' existing rate structures and connection agreements with regard to industry peers.
  - d) Jacobs to report findings in a Revenue Gap Analysis report
- 3.2 Phase 2 – Financial Planning.** Develop a short and long-term DCS financial plan
- a) Jacobs will perform a high-level visual assessment incorporating condition, market, and book value of existing DCS physical assets including facilities, equipment, and infrastructure.
  - b) Jacobs will report financial planning assumptions to JEA' Financial Department and Capital Planning group for review and incorporation for use in analysis.
  - c) Jacobs will calculate JEA' true "cost of service" both now and in the future to develop appropriate rate structures.
  - d) Jacobs will review JEA' existing rate structures & contracts and make recommendations to help with full cost recovery of JEA needed capital investments and operating costs.
  - e) Jacobs will develop operational and financial metrics for tracking DCS performance over time and benchmarking with other DCSs.
  - f) Jacobs will submit a draft Financial plan for JEA to review.
  - g) Jacobs will address JEA comments and update Financial plan.
  - h) Jacobs will submit final Financial plan.
  - i) Jacobs will attend (2) Owner's meetings. One to review and discuss the final Financial plan and a second to present the recommendations to stakeholders
- 3.3 Phase 3 – Marketing and Communication Plan.** Develop plan with intent of informing existing and potential customers of JEA plans for moving forward and acquiring new customers.
- a) Jacobs will develop life cycle business models comparing district cooling costs to developer chilled water CAPEX and O&M costs (JEA cost vs "on their own" customer costs).
  - b) Jacobs will support the development a communication and marketing plan in conjunction with subconsultants.
  - c) Jacobs will attend meetings between JEA and potential customers, the development community in downtown, Lot J, and medical district and Jacksonville regional government. (15) total meetings including: (3) potential

customers, (3) w/Chamber of Commerce, (3) w/ area Developers, (3) w/Architectural and Engineering firms, (3) at JEA discretion.

- d) Jacobs will create a heat map of potential customer locations and prioritize list of development areas.
- e) Jacobs will develop a set of recommendations for local building and energy code to help catalyze widespread district cooling development.
- f) Jacobs will develop a contracting template with Terms & Conditions and rate structure, in collaboration with the JEA Utility team.
- g) Jacobs will develop a connection agreement with mechanical, metering and workmanship specifications, in collaboration with the District Cooling team.
- h) Jacobs will develop and document the strategy for long-term acquisition of future customers.
- i) Jacobs will submit a draft communication and marketing plan for JEA to review.
- j) Jacobs will address JEA comments and update communication and marketing plan. Energy efficiency updates will be included.
- k) Jacobs will submit final communication and marketing plan.
- l) Jacobs and Diamond Engineering Services, LLC will attend (1) Owner's meeting to review and discuss the final communication and marketing plan.

#### **4.0 SUBCONSULTANTS**

Jacobs proposes the use of the following subconsultants for the completion of this work:

1. Diamond Engineering Services LLC.
2. (marketing specialist to be evaluated and agreed upon with JEA)

#### **5.0 DELIVERABLES**

The Jacobs team will deliver the following:

##### **6.1 Phase 1 – Revenue Gap Analysis**

- a) Peer assessment
- b) Revenue Gap Analysis Report

##### **6.2 Phase 2 – Financial Plan**

- a) Memo of financial planning assumptions
- b) Calculated "true cost of service"
- c) Draft Financial Plan
- d) Final Financial Plan

##### **6.3 Phase 3 – Communication and Marketing Plan**

- a) Life cycle business models for 5 customer types and 2 sizes per type

- b) Heat map of potential customers overlaid upon updated masterplans
- c) Strategy document
- d) Contracting and connection templates and standards
- e) Draft communication and marketing plan
- f) Final communication and marketing plan

## 6.0 SCHEDULE

This proposal is based on a 7-month duration. See below for proposed timelines for subtasks. Once the project has been awarded, Jacobs will work with JEA for a mutually agreeable schedule.

NTP	September 26, 2021
Project Kickoff Meeting	October 3, 2021
Revenue Gap Analysis	October 4, 2021 – November 5, 2021
Financial Plan	November 7, 2021 – January 5, 2022
Marketing Plan	October 4, 2021 – April 25, 2022

## 7.0 BASIS OF COMPENSATION

For the Scope of Work described above, we propose that the basis of compensation for Jacobs and all Subconsultants will be a lump sum fee of \$ 613,695.00 as follows:

Revenue Gap Analysis	\$ 61,590.00
Financial Plan	\$ 147,578.00
<u>Marketing Plan</u>	<u>\$ 404,527.00</u>
<b>Total Fee</b>	<b>\$ 613,695.00</b>

Budgeted travel and expenses are included in the lump sum fee.

For additional services requested by JEA, we propose the basis of compensation will be determined based on the requested scope of work and rates as agreed upon per the executed JEA Contract No. 182848 - Capital Program Management.

## **8.0 QUALIFICATIONS**

- a) JEA will facilitate the availability of information and scheduling of meetings as requested by Jacobs to assist in maintaining the project schedule.
- b) Project delivery is contingent upon receipt of site information, equipment submittal documentation, billing information, approvals, and coordination information to be obtained from JEA. Delays in the receipt of this information may impact the schedule. Jacobs is not responsible for these delays and the resultant impact to the schedule caused by these delays.
- c) This proposal does not include any detailed (Issued for Construction) design services.
- d) Equipment evaluations will be based upon nameplate and site observations. Forensic or tested analysis is not included in this proposal.
- e) This proposal does not include construction management/oversight.
- f) Travel is expected to occur late or early to accommodate full days of work on-site and cost-effective services. Business class travel is budgeted to promote staff effectiveness.
- g) The proposal fee for all subtasks assumes a sequence of work identified in Section 7.0 and approval of all subtask in this proposal. Each subtask will inform various other subtasks. Some subtasks are performed and managed in parallel with others allowing some efficiencies of effort to be realized. If various subtasks are not approved or removed from the scope, Jacobs reserves the right to adjust its fees for the subtasks accordingly.
- h) It is expected that this project will span 32 weeks. Our project team anticipates (32) weekly one-hour conference calls. Jacobs will determine the need for additional coordination meetings outside of the weekly conference calls and determine the team attendees required for each call or coordination meeting.
- i) The proposal includes up to 15 trips of one to two nights per trip for up to four of the team members for kick-off and finalization meetings and for three members for consulting and site evaluation trips
- j) Trips will be overlapped to the greatest extent possible to make for efficient time at the site(s). Jacobs reserves the right to re-evaluate travel expenses if the client places the project phases on holds or staggers the effort within or between phases.

## Project Scope Statement

<b>Project Name:</b>	DES - Hogans Creek - CW Extension - Jags Performance Facility
<b>Address:</b>	
<b>Overall Project Budget:</b>	\$9,118,634.00
<b>Start Date:</b>	2/1/2022
<b>Index #:</b>	428-130
<b>Priority:</b>	High
<b>Requested By:</b>	Michael Dvoroznak, PE – Manager, W/WW Reuse Treatment Maintenance Planning and Engineering

Revision History (add rows as needed)			
Version	Date	Author	Comments
1.0	1/14/21	M. Dvoroznak	Initial Request

Project Stakeholders (add or delete rows as applicable)	
Role	Name
Project Manager	Beth DiMeo (to be handed off later)
Project Originator	Michael Dvoroznak, PE
Planning	
O&M	David Williams
Environmental	
Real Estate	
Facilities	
Security	
Safety	
Technology Services	
Energy	
Scheduler	
Estimator	
Cost Specialist	

Project Scope Statement Approval (add rows as applicable)			
Role	Name	Approval Received	Date of Approval
VP of Water/Wastewater	Hai Vu	<input type="checkbox"/>	
Project Owner/ Director	Bryan Wagoner	<input type="checkbox"/>	
Manager of PM		<input type="checkbox"/>	
Project Manager (PM)		<input type="checkbox"/>	
Project Originator	Michael Dvoroznak	<input type="checkbox"/>	
Planning		<input type="checkbox"/>	
O&M	David Williams	<input type="checkbox"/>	
Environmental		<input type="checkbox"/>	
Security		<input type="checkbox"/>	
Real Estate	Eileen Connolly / Brandon Traub	<input type="checkbox"/>	

## Introduction & Background

JEA owns, operates, and maintains the Hogan’s Creek District Energy System which consists of a Chilled Water Facility (Hogan’s Creek, 777 E. Church Street) which currently provides chilled water services to the VyStar Arena and Baseball Grounds of Jacksonville. Developers for properties in the area have expressed interest in connecting to the District Energy System (DES) for their projects around/in the TIAA Bank Field.

Customer	Contract Demand (Tons)
Performance Facility	500
Stadium	3,000+



## Project Justification/Scope of Work

The immediate request is to provide the Performance Facility with 500 tons of chilled water for their project by March 2023. The second phase of the Performance Facility (+350 tons) is being evaluated by the Developer but may not be realized. The Stadium project is in the initial stages of design and the estimated demand is preliminary. The Developer expects to be executing that project by 2028.

Due to the schedule constraints, JEA would like to utilize the existing Program Management Contract with Jacobs to execute the design and construction of the supply and return mains.

Future considerations for system expansion should be considered with this project. The Developer plans on replacing the on-site chillers at the Stadium with connection(s) to the mains for future expansions. The current estimate for those demands is 3,000+ tons, for a total of 3,500+ tons. Initially, 20" are expected to be used to facilitate this connection. Velocity in the mains may exceed 5 fps, but not exceed 6 fps for the proposed contract demands.

The most direct route for connection is through the Duval Street corridor to the existing 20" chilled water mains (supply & return) near the A. Phillip Randolph intersection. This route is advantageous due to the shorter overall length (roughly 600' shorter) and relative lack of obstructions (adjacent utilities – water/wastewater/electric) in the Adams Street corridor.

Intent is to issue Task Order through existing Program Management contract to provide these services in a Program Manager At Risk type of contract with a Design-Build methodology to meet time frame for needed completion:

The scope of work will consist of the design, coordination and construction of approximately ~1,800 LF of 20" chilled water mains from the existing system (Duval Street, west of A. Phillip Randolph) to a vault (provided by Developer) at the northwest corner of the Stadium primarily within the Duval Street corridor. Coordination with the Developer on the location of a proposed utility easement (near intersection of Duval Street and Georgia Street) will impact route shown. Preliminarily the method of construction will be mixed due to the presence of numerous adjacent utilities (large diameter water and force mains, high voltage electrical underground crossings). The project will include the installation of the energy delivery station to the Performance Facility (coordinated with and designed by others) and stub-out for future Stadium connection.

## Risks

### Schedule

The Developers have expressed a desire to have an in-service date of March 2023. This timeframe has limited the available options for JEA to self-perform the design & construction of the mains.

### Easement

The Developer is in the process of identifying the routing for adjacent utilities (water main) in an easement through adjacent parking lots (owned by COJ). This project is proposed to be collocated in those easements.

### Soil contamination

Lot J is known to have contaminated soils. The project will require the identification, possible disposal/remediation of those disturbed soils with this project.

## Project Cost Estimate and Expenditure Forecast

Please provide cost estimates for each cost category in the table below. For your initial request, please only fill in the project request column. As the project progresses please update the table to reflect your most current estimates in the column that corresponds with the project's current phase.

Project Cost Estimate Breakdown							
Cost Category	Project Request	10% Design	30% Design	60% Design	90% Design	100% Design	Construction
Program Management Fees	\$662,603						

(Assumed 10% of Total Direct Cost) <sup>1</sup>							
Engineering (enter engineering fee only)	\$993,904						
Surveys (survey portion of engineering consultant's fee if applicable)							
Studies (studies portion of engineering consultant's fee if applicable)							
Permitting							
Real Estate	\$66,260						
Project Management	\$132,521						
Project Support	\$172,277						
Construction	\$5,465,308						
Services During Construction	\$265,041						
JEA Supplied Labor/Materials	\$67,659						
Miscellaneous (Temporary Chiller/Generator Rental) <sup>2</sup>	\$200,000						
Contingency	\$1,093,062						
<b>Total</b>	<b>\$9,118,634</b>						

**Notes**

1. The project is being executed using the existing Program Management contract with Jacobs. The current cost estimate does not include any anticipated fees. This is an assumption that will be updated based upon contract negotiations with Jacobs.
2. The cost estimate does not include the use of temporary chillers and generators to maintain service to the existing customers during the tie-in for the new mains.

Significant Material Summary			
Description	Unit Measure	Quantity	Cost Estimate
[Insert Description]			

**Project Implementation Schedule**

Please provide start dates for each project milestone in the table. For your initial request, please only fill in the project request column. As the project progresses please update the table to reflect the most current schedule in the column that corresponds with the project's current phase.

For your initial request please provide a high level summary of your schedule assumptions here. Please update this summary as the project progresses, indicating any accelerations or slippages in schedule (and why).

Milestone	Project Request	10% Design	30% Design	60% Design	90% Design	100% Design	Construction
Project Start	1/31/2022						
Design Start	2/14/2022						
Design Finish	9/5/2022						
Bid & Award	5/23/2022, 8/1/2022						
Construction Start	9/5/2022						
Substantial Completion	2/27/2023						
Final Completion	4/4/2023						

Attachment B – Cost Loaded Primavera P6 Schedule (or other applicable schedule)

Attachment C – Project Request Form



# Formal Bid and Award System

Award #4 February 17, 2022

**Type of Award Request:** PROPOSAL (RFP)  
**Requestor Name:** Chmist, Sebastian  
**Requestor Phone:** (904) 665-7016  
**Project Title:** LIDAR Surveying Services  
**Project Number:** HE20410  
**Project Location:** JEA  
**Funds:** O&M  
**Budget Estimate:** \$1,008,000.00  
**Scope of Work:**

JEA is seeking a consultant/surveyor to provide professional services for an aerial Light Detection and Ranging (LIDAR) survey and Power Line Systems-Computer Aided Design and Draft (PLS-CADD) modeling of JEA’s entire Electric Transmission System.

These specifications are for a LIDAR survey used to develop three dimensional PLS-CADD computer models for transmission right of way vegetation management and for the design and analysis of existing and future overhead transmission line projects.

The raw data, aerial photographs, and other collected information shall be processed with final information and engineered products delivered to JEA in accordance with these specifications.

**JEA IFB/RFP/State/City/GSA#:** 1410335448  
**Purchasing Agent:** Lovgren, Rodney  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
PICKETT & ASSOCIATES, INC.	Russell Coby	rcoby@pickettusa.com	475 S. First Avenue, Bartow, FL 33830	(813)877-7770 X 101	\$1,007,567.00

**Amount for entire term of Contract/PO:** \$1,007,567.00  
**Award Amount for remainder of this FY:** \$1,007,567.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 02/30/2022  
**End Date (mm/dd/yyyy):** Project Completion (Estimated 09/30/2022)  
**JSEB Requirement:** Optional  
**Comments on JSEB Requirements:**  
 Johnson Surveying & Mapping - 5%

### PROPOSERS:

Name	Rank	Points
PICKETT & ASSOCIATES	1	85.3
SAM SURVEYING & MAPPING	2	82.1
GPI GEOSPATIAL LLC	3	80.5
NETWORK MAPPING INC.	4	74.5
MCKIM & CREED	5	72.7
MERRICK & COMPANY	6	69.2
CAMPOS EPC LLC	7	66.9
NV5 GEOSPATIAL	8	51.4
SMG	9	50.8
LINEWISE AERIAL INTERNATIONAL INC.	10	23.6

**Background/Recommendations:**

Advertised on 05/14/2021. Twelve (12) prime companies attended the mandatory pre-proposal meeting held on 05/21/2021. At proposal opening on 06/15/2021, JEA received ten (10) Proposals. Companies were evaluated on Professional Staff Experience, Project Approach & Work Plan, Company Experience, Project Manager Proximity to JEA and JSEB content. The public evaluation meeting was held on 07/22/2021 and JEA deemed Pickett & Associates, Inc. the most qualified to perform the work. A copy of the evaluation matrix and negotiated schedule and fees are attached as backup.

Each company submitted job titles, schedules and resource loaded hours forecasts for the scope of work in the solicitation. JEA reviewed the proposals comparatively between submitting respondents. The hours submitted by Pickett were consistent and in the low-end to middle range of submitting companies for the various deliverables.

Historically, JEA fulfills LIDAR surveying needs on a project by project basis which is included in the design phase for the individual project or by processing informal CCNA direct < \$35,000.00 purchase orders as needed. The last time JEA performed a large-scale LIDAR survey of the entire Transmission electric system was in 2010. The awarded amount was \$633K and the project was completed at a cost of \$466K.

The scopes are similar, however, when JEA developed this specific scope, the scope of services were tailored based on lessons learned from the previous projects and input from GIS and O&M departments that would allow improved use of the deliverables. The following scopes were included, which increased the overall costs:

- Vegetation management maps for O&M
- Various GIS data for our GIS group as requested. Formatted XYZ data of the conductors and structures that can be placed into JEA’s GIS
- Modeling of shield wires in addition to the phase conductors in PLS-CADD
- Additional reports to be submitted (thermal rating reports, clearance reports, accuracy reports, survey control reports, and overall system rating report). Previously, JEA only required a thermal rating report for each circuit

When comparing Pickett & Associates average hourly rate of \$138.00 compared to other surveying rates in the range of \$130.00 to \$150.00 per hour, rates are deemed reasonable and were used to develop the award amount. JEA established the budget of \$1,008,000.00 for this award in FY21, and it covers the needs based on successful negotiations.

1410335448 – Request approval to award a contract to Pickett & Associates, Inc. for LIDAR surveying services for JEA in the amount of \$1,007,567.00, subject to the availability of lawfully appropriated funds.

**Manager:** Hamilton, Darrell D. – Mgr. Transmission and Substation Projects  
**Sr. Director:** Acs, Gabor – Sr. Dir. Engineering & Projects  
**VP:** Erixton, Ricky D. - VP Electric Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

---

**Budget Representative** **Date**



August 16, 2021

Mr. Sebastian Chmist  
Transmission Engineer  
JEA Project Design  
[chmism@jea.com](mailto:chmism@jea.com)

**RE: Fee Proposal for Solicitation 1410335448 LiDAR and Mapping Services**

Dear Mr. Chmist,

Pickett and Associates is pleased to offer the enclosed fee proposal for LiDAR and Mapping Services.

If you have any questions or require additional information, please do not hesitate to contact me. We look forward to our continued relationship with JEA and are committed to a safe and successful project.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Leahy".

Mike Leahy, PE, PSM  
Chief Operations Officer  
(813) 877-7770 ext. 101  
[mleahy@pickettusa.com](mailto:mleahy@pickettusa.com)  
[www.pickettusa.com](http://www.pickettusa.com)



**FEE PROPOSAL**

---

**1.1 Scope of Work**

This fee proposal is based on the scope of work within Solicitation 141033548 to provide LiDAR and Mapping services for 561 circuit miles of transmission on the JEA system.

**1.2 Terms and Conditions**

Pickett proposes to perform this work under the terms and conditions of the provided contract with the attached exceptions and clarifications within Appendix 1. Our team proposes to utilize a combination of unit cost, time and expense, and lump sum contract segregated by task using the attached rates in Appendix 2 billed monthly based on progression.

Task	Type
LiDAR	Unit Cost
Engineering	Time & Expense
Subcontracts	Lump Sum

**1.3 Subcontracts**

Each subcontract has been estimated based on known information and engineering judgement. The following values are suggested as a basis for determining the total contract value. We propose to execute this work on a unit price basis per the attached proposals. The values include a six percent (6%) markup for the administration and management of the contracts. This will be invoiced with the regular monthly invoice in the month in which the subcontract invoice is received.

Ground Survey – Pickett proposes to utilize Johnson Survey and Mapping (JSEB) to establish ground control and weather stationing for the project.

LiDAR Processing – Pickett intends to utilize Business Process Solutions, LLC (BPS) to assist with processing LiDAR.

Helicopter Services – Pickett intends to utilize HeliService Powerline Solutions (HPS) to support aerial photography specifically for oblique structure photos.

**1.4 Expenses**

Expenses are proposed as reimbursable for travel and other direct receipt expenses on an as-needed basis if or when JEA requests travel events. Mileage is reimbursed at the current US GSA rates. Lodging, meals, and other direct expenses will be provided in monthly invoices.



### 1.5 Base Scope Fee Summary

Task	Voltage			Subtotal
	230kV	138kV	69kV	
Miles	242	205	114	561
<b>Geospatial</b>				
Survey	\$ 12,879	\$ 10,447	\$ 5,552	\$ 28,877
LiDAR Acquisition	\$ 198,634	\$ 159,408	\$ 83,722	\$ 441,763
BPS Feature Coding	\$ 33,288	\$ 28,199	\$ 15,681	\$ 77,168
Rate/Mile	\$ 1,012	\$ 966	\$ 921	\$ 976
Subtotal	\$ 244,801	\$ 198,053	\$ 104,954	\$ 547,808
<b>Engineering</b>				
Modeling	\$ 49,749	\$ 48,357	\$ 41,552	\$ 139,659
Clearance Reporting	\$ 33,166	\$ 32,238	\$ 27,702	\$ 93,106
Rate/Mile	\$ 343	\$ 393	\$ 607	\$ 415
Subtotal	\$ 82,915	\$ 80,595	\$ 69,254	\$ 232,764
<b>Total</b>	<b>\$ 327,716</b>	<b>\$ 278,649</b>	<b>\$ 174,208</b>	<b>\$ 780,573</b>

### Supplemental Fee Menu

These tasks can be added to the Base Scope as desired by JEA.

A la carte menu	Rate	Unit
Oblique Imaging	\$ 68	Mile
GIS Map - Geospatial	\$ 38	Mile
Vegetation Analysis	\$ 175	Mile
GIS Map - Engineering	\$ 25	Mile
Route Drawings	\$ 100	Mile



**1.6 Full Scope Fee Summary**

Task	Voltage			Subtotal
	230kV	138kV	69kV	
Miles	242	205	114	561
<b>Geospatial</b>				
Survey <sup>1</sup>	\$ 12,879	\$ 10,447	\$ 5,552	\$ 28,877
LiDAR Acquisition <sup>1</sup>	\$ 198,634	\$ 159,408	\$ 83,722	\$ 441,763
BPS Feature Coding <sup>1</sup>	\$ 33,288	\$ 28,199	\$ 15,681	\$ 77,168
Oblique Imaging <sup>2</sup>	\$ 16,461	\$ 13,944	\$ 7,754	\$ 38,160
GIS Map & Status Reporting <sup>2</sup>	\$ 9,196	\$ 7,380	\$ 3,876	\$ 20,452
Rate/Mile	\$ 1,118	\$ 1,070	\$ 1,023	\$ 1,081
Subtotal	\$ 270,458	\$ 219,378	\$ 116,585	\$ 606,420
<b>Engineering</b>				
Modeling <sup>1</sup>	\$ 49,749	\$ 48,357	\$ 41,552	\$ 139,659
Clearance Reporting <sup>1</sup>	\$ 33,166	\$ 32,238	\$ 27,702	\$ 93,106
Vegetation Analysis <sup>2</sup>	\$ 37,375	\$ 34,488	\$ 26,321	\$ 98,184
GIS Map <sup>2</sup>	\$ 5,266	\$ 4,910	\$ 3,863	\$ 14,040
Route Drawings <sup>2</sup>	\$ 21,066	\$ 19,639	\$ 15,453	\$ 56,158
Rate/Mile	\$ 606	\$ 681	\$ 1,008	\$ 715
Subtotal	\$ 146,622	\$ 139,633	\$ 114,892	\$ 401,146
<b>Total</b>	<b>\$ 417,080</b>	<b>\$ 359,010</b>	<b>\$ 231,477</b>	<b>\$ 1,007,567</b>

<sup>1</sup> indicates tasks which are part of the base scope and cannot be omitted without impact to overall project.

<sup>2</sup> indicates tasks which are not included in the Base scope pricing. However, these tasks can be added as desired holistically or via the a la carte menu pricing.



### Labor Summary

Below is an approximate breakdown of proposed resources to execute the Base Scope. Pickett reserves the right to modify and/or shift resource hours amongst team members within the overall project budget.

Title	Rate	Estimated Hours
Principal in Charge	\$190.00	18
Project Mgmt Director	\$190.00	18
Project Manager	\$165.00	182
Lead Engineer – Eng V	\$160.00	182
Project Controls Specialist	\$85.00	55
Senior Engineer – Eng IV	\$145.00	420
Project Engineer – Eng III	\$125.00	310
Associate Engineer – Eng I	\$100.00	365
GIS Manager	\$135.00	91
GIS Analyst	\$85.00	182
<b>Total</b>		<b>1,825</b>



**APPENDIX 1**  
**EXCEPTIONS AND CLARIFICATIONS**

Page	Section	Pickett Clarified Exception
21	2.1.11 Contract Price	Strike "However, this amount is not a guaranteed amount. Also referred to as the 'Maximum Indebtedness' of JEA." JEA to provide clarification in regard to not guaranteeing the contract amount.
24	2.4.2 Termination for Convenience	Consider changing JEA shall have absolute right to All parties have absolute right.
25	2.5 Termination for Default	Strike the reference to having no responsibility of notification of deficient performance and scorecards. This statement contradicts the first sentence in this section that states JEA may give written notice.
26	2.7.2 Indemnification	Strike of the word "Defend". Pickett will not be responsible to obtain, at our cost, an attorney for the project owner.
27	2.7.4 Environmental Indemnification	Strike of the word "Defend". Pickett will not be responsible to obtain, at our cost, an attorney for the project owner.
29	2.10.3 Completion of Work (PO)	Strike "time is of essence"; when a contract stipulation relating to time is of the essence, failure to meet that stipulation can lead to the contract being rescinded, no matter the party or cause of a delay. Consider replacing language with "to perform its services to meet the schedule as expeditiously as is consistent with the exercise of professional skill and care and the orderly progress of the Work."
31	2.12.1 Change in Scope of Services	Strike 'may' be paid, change to 'will' be paid.
37	2.14.18 Time of Essence	Strike this section in its entirety. Per comments in section 2.10.3, remove "Time is of Essence".



**APPENDIX 2**  
**RATE SCHEDULE**

**Hourly Labor Rates**

Classification	Classification Requirements	Years of Service in Classification	Rate
Principal in Charge	MBA, BA, PE or PMP certification	15+ yrs	\$190.00
Director	BA, PE or PMP certification	12+ yrs	\$185.00
Project Manager	PMP certification	12+ yrs	\$165.00
Project Controls Specialist Sr.	PMP certification	8-12 yrs	\$125.00
Project Controls Specialist	Minimum four years experience	4-8 yrs	\$85.00
Account Specialist	Administration	0-4 yrs	\$55.00
Engineering Manager	ABET accredited engineering degree and PE	15+ yrs	\$175.00
Engineer V	ABET accredited engineering degree and PE	12-15 yrs	\$160.00
Engineer IV	ABET accredited engineering degree and PE	8-12 yrs	\$145.00
Engineer III	ABET accredited engineering degree and PE	5-8 yrs	\$125.00
Engineer II	ABET accredited engineering degree	2-5 yrs	\$115.00
Engineer I	Entry level; ABET accredited engineering degree	0-2 yrs	\$100.00
Engineering Specialist IV	Engineering technician degree or equivalent	12+ yrs	\$135.00
Engineering Specialist III	Engineering technician degree or equivalent	7-12 yrs	\$115.00
Engineering Specialist II	Engineering technician degree or equivalent	4-7 yrs	\$100.00
Engineering Specialist I	Entry level; Engineering technician degree or equivalent	0-4 yrs	\$85.00
Engineering Field Specialist	ABET accredited engineering degree or PE	12-15 yrs	\$140.00
Survey Lead	Professional Surveyor and Mapper (PSM)	12-15 yrs	\$165.00
Survey Technician	Entry level; CST or equivalent certification	2-8 yrs	\$95.00
GIS Manager	MA, BA, or PE	12-15 yrs	\$135.00
GIS Sr. Analyst	BA or AA with minimum of eight years experience	8-12 yrs	\$100.00
GIS Analyst	GIS Analyst	5-8 yrs	\$85.00
GIS Technician	GIS Technician or equivalent	0-5 yrs	\$75.00
CAD/Drafter	BA or associates or equivalent	3-8 yrs	\$75.00



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June 15, 2021

Mr. Sebastian Chmist  
Transmission Engineer  
JEA Project Design  
chmism@jea.com

Mr. Rodney Lovgren  
Procurement  
JEA  
lovgrd@jea.com

**Re: JEA Solicitation 1410335448 LiDAR and Mapping Services**

Dear Mr. Chmist and Mr. Lovgren,

Pickett and Associates, Inc. (Pickett) is pleased to offer the enclosed proposal in response to JEA's solicitation for proposals for the LiDAR and Mapping Services. We are committed to JEA's interest and trust that our proposal communicates a level of capability and expertise that exceeds your expectations and communicates our desire to be a part of your team. We are fully prepared to continue to be a trusted and reliable extension of your team.

For over fifty years, our proven track record of reliability and quality is why our clients continually retain Pickett. We are excited for the opportunity to provide this service to JEA.

If you have any questions or require additional information, please do not hesitate to contact me. We look forward to working with JEA and are committed to a safe and successful relationship. Thank you for your consideration.

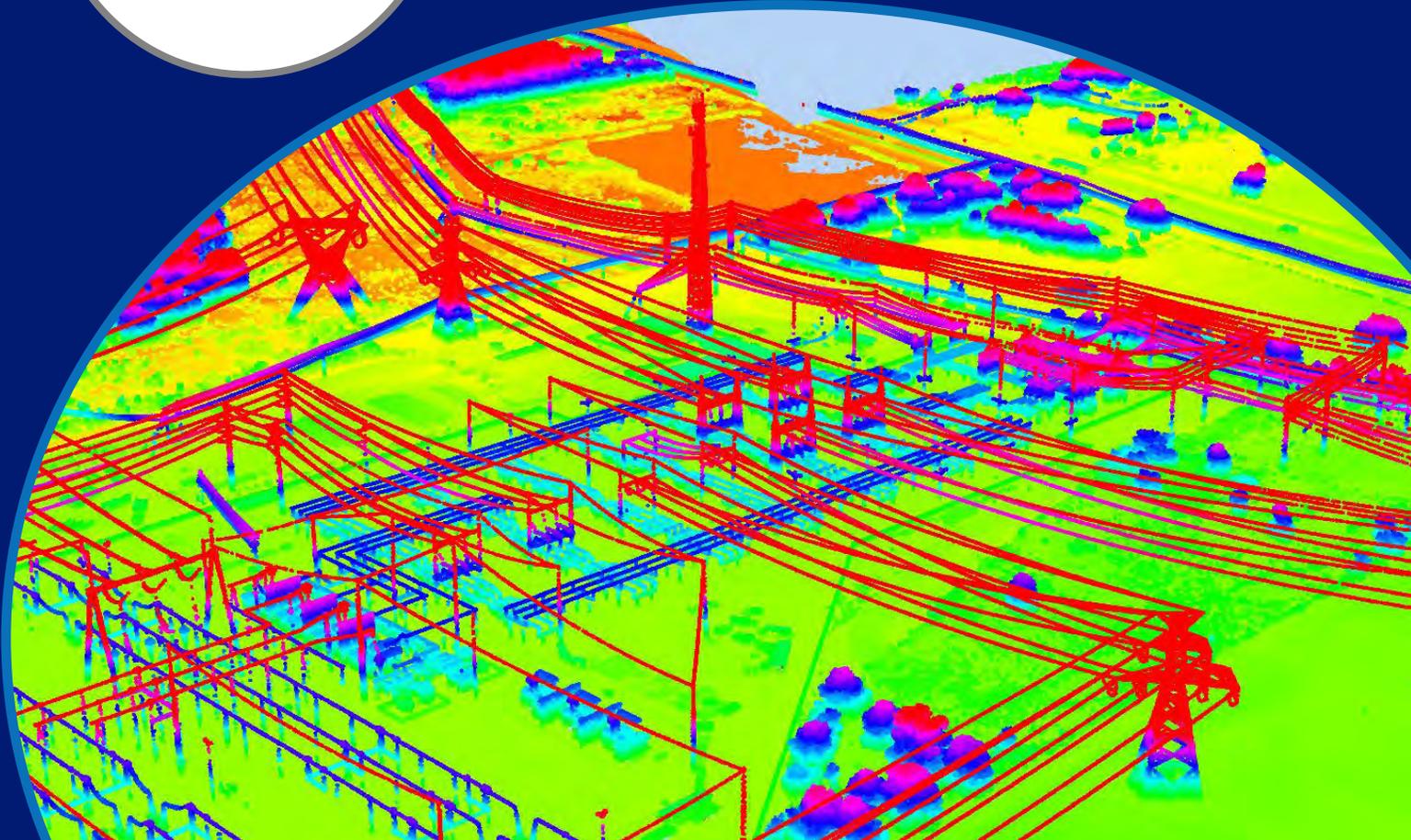
Sincerely,

Mike Leahy, PE, PSM  
Chief Operations Officer  
(813) 877-7770 ext. 101  
mleahy@pickettusa.com

Russell Coby, PE  
Program Manager  
(904) 382-9514  
rcoby@pickettusa.com



**Proposal for  
LiDAR Mapping Services  
Solicitation #1410335448**





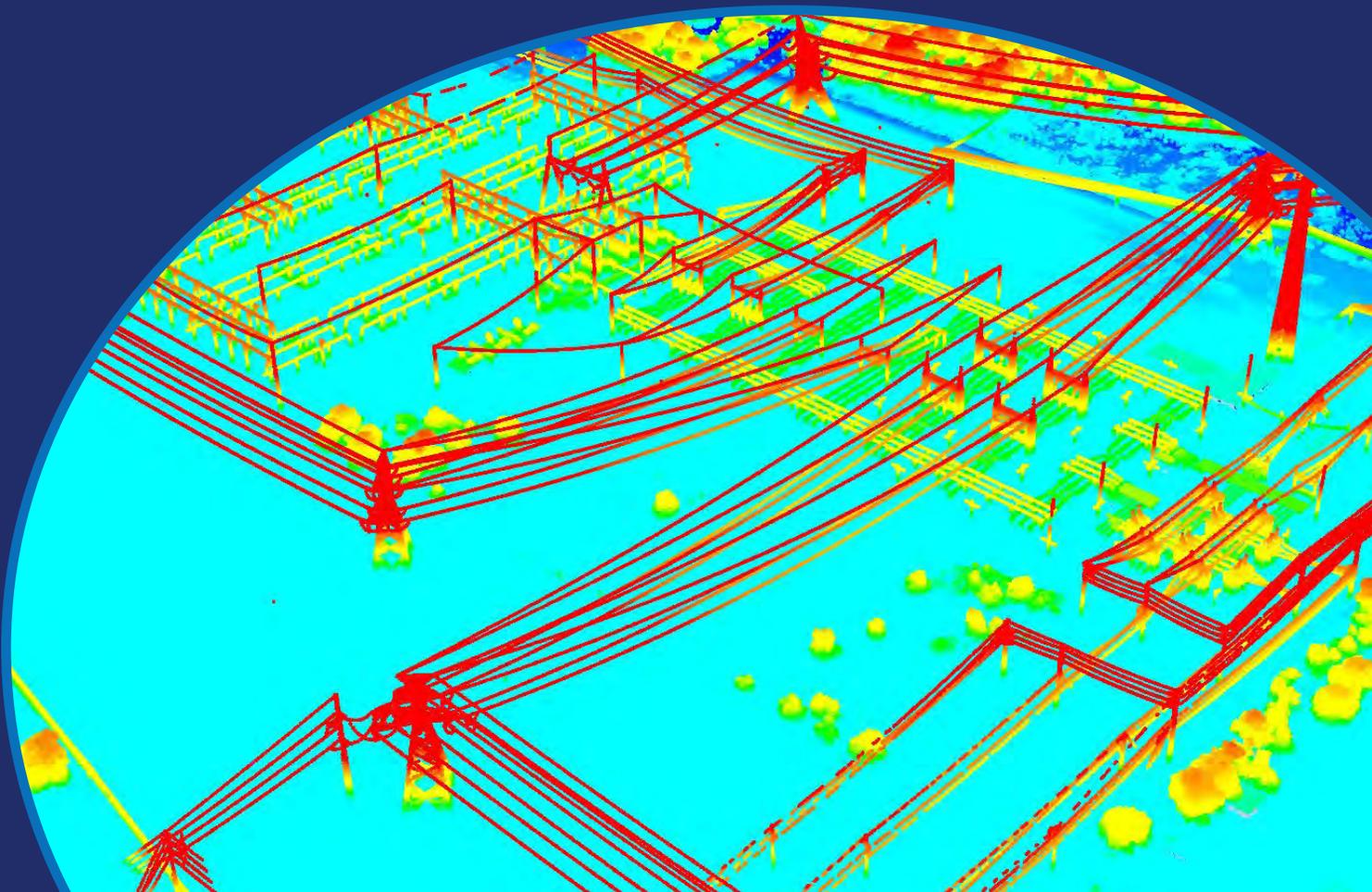
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# 1.0 Bid Forms



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Appendix B - Proposal Form  
1410335448 Lidar Mapping Services

**COMPANY INFORMATION:**

COMPANY NAME: Pickett and Associates, Inc.  
BUSINESS ADDRESS: 10151 Deerwood Park Boulevard, Building 300, Suite 230  
CITY, STATE, ZIP CODE: Jacksonville, FL 32256  
TELEPHONE: 813-877-7770  
FAX: 863-534-1464  
EMAIL OF CONTACT: rcoby@pickettusa.com

**PROJECT MANAGER PROXIMITY**

In order to receive points for this criterion, Company's office must be occupied and staffed with at least three (3) employees for a duration of six (6) months prior to the Proposal Due Date stated in the RFP.

Check the box to confirm Company meets criterion     YES     NO

**The Company shall submit one (1) electronic pdf of the signed Proposal Form and other documents with the proposal on the cloud sourcing platform by the Due Date.**

**Company's Certification**

By submitting this Proposal, the Proposer certifies that it has read and reviewed all of the documents pertaining to this RFP and agrees to abide by the terms and conditions set forth therein, that the person signing below is an authorized representative of the company, that the company is legally authorized to do business in the State of Florida, and that the company maintains in active status an appropriate license for the work. The company certifies that its recent, current, and projected workload will not interfere with the company's ability to Work in a professional, diligent and timely manner.

The Proposer certifies, under penalty of perjury, that it holds all licenses, permits, certifications, insurances, bonds, and other credentials required by law, contract or practice to perform the Work. The Proposer also certifies that, upon the prospect of any change in the status of applicable licenses, permits, certifications, insurances, bonds or other credentials, the Company shall immediately notify JEA of status change.

We have received addenda 2 through 2

J. Russell Coby  
Signature of Authorize Officer of Company or Agent

Russell Coby, Program Manager  
Printed Name & Title

6/15/2021

Date

813-877-7770

Phone Number

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

The minimum qualifications shall be submitted in the format attached. The references shall be presented in the order described below. In order to be considered a qualified supplier by JEA you must meet all the criteria listed and be able to provide all the services listed in this specification. Submit with Bid or Proposal in accordance with the requirements of the solicitation.

Company shall ensure listed references can be contacted to verify minimum qualifications compliance. If JEA cannot contact the submitted reference, JEA may request an additional point of contact from the same reference, however, will not allow the Company to change references. If the reference cannot be verified, JEA may reject the submitted Bid or Proposal.

**RESPONDENT INFORMATION**

COMPANY NAME: Pickett and Associates, Inc.

BUSINESS ADDRESS: 10151 Deerwood Park Boulevard, Building 300, Suite 230

CITY, STATE, ZIP CODE: Jacksonville, FL 32256

TELEPHONE: 813-877-7770

FAX: 863-534-1464

E-MAIL: rcoby@pickettusa.com

The successful Proposer shall have successfully completed at least two (2) similar projects within the last three (3) years. A similar project is defined as an aerial LiDAR study where the consultant has surveyed and modeled, in PLS-CADD, overhead electric transmission circuits for a utility company that demonstrates experience in planning, surveying, and PLS-CADD modeling of transmission voltages in excess of 100kV. Collectively the projects must include at least two-hundred 200 miles of surveyed transmission circuits.

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Reference   1   of   6  

Primary Nature of Service Provided: Aerial LiDAR and PLS CADD Modeling

Location: Multiple Counties, Florida

Customer: Duke Energy Florida

Reference Name: Thomas Camden, PSM

Reference Phone Number: 407-942-9301

Email Address: Thomas.Camden@duke-energy.com

Construction Value (\$1M min.): >\$1M

Description of Project:

Duke Energy desired to rebuild approximately 87 miles of transmission line in north Florida, between the Bradfordville West and Jasper Substations. To assist engineers in the design phase of the rebuild, Pickett was tasked with providing a LiDAR survey with weather data and a PLS-CADD model.

Pickett utilized its fixed wing aircraft, Optech Galaxy PRIME LiDAR sensor, and Phase One iXU-RS 1000 digital camera to capture airborne LiDAR and imagery along the existing corridor. Pickett also set and surveyed 36 aerial targets along with more than 150 checkpoints. Our team managed the project to account for weather, airspace, and weather data collection to maximize efficiency, leading to a successful project. After data calibration and accuracy verification, Pickett feature-coded the data to meet Duke Energy standards and created an ortho-mosaic image. Planimetric features were also mapped, and all data was delivered in a PLS-CADD model for use by the Duke engineering team. Weather data was provided to assist in the engineering analysis as well.

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Reference 2 of 6

Primary Nature of Service Provided: Aerial LiDAR and PLS CADD Modeling

Location: North Carolina and southern Virginia

Customer: Dominion Energy

Reference Name: Adam Swift

Reference Phone Number: 804-771-6293

Email Address: Adam.M.Swift@dominionenergy.com

Construction Value (\$1M min.): >\$1M

Description of Project:

Dominion wished to coordinate aerial surveys over 8 circuits in their service area, totaling 110 miles, for the purposes of engineering design and as-builts. Pickett was tasked with providing LiDAR surveys with weather data and a PLS-CADD model.

Pickett utilized its fixed wing aircraft, Optech Galaxy T2000 LiDAR sensor, and Phase One iXU-RS 1000 digital camera to capture airborne LiDAR and imagery along the existing corridors. Pickett subcontracted with a surveying and mapping firm in the region to set and survey aerial control as well as collect weather data. Our team managed the project to account for weather, airspace, and weather data collection to maximize efficiency, which lead to a successful project. After post processing, data calibration, and accuracy verification, Pickett feature-coded the data to meet Dominion Energy standards and created an ortho-mosaic image. Planimetric features were also mapped, and all data was delivered in PLS-CADD models for use by the Dominion engineering team. Weather data was provided to assist in the engineering analysis as well.

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Reference 3 of 6

Primary Nature of Service Provided: Aerial LiDAR and PLS CADD Modeling

Location: West Virginia

Customer: American Electric Power

Reference Name: John Booze

Reference Phone Number: 540-562-7061

Email Address: jrbooze@aep.com

Construction Value (\$1M min.): Will provide if requested

Description of Project:

The main objective of this project was to perform vegetation analysis for this 160 mile 765 kV line in a mountainous region of West Virginia. To complete the objective, a LiDAR survey was required as well as an as-built PLS-CADD model. This project was completed in 2019.

Pickett acquired the LiDAR data for the entire line, then processed the data, including classifying the points per the client's feature code. The LiDAR points were then loaded into PLS-CADD and an as-built PLS-CADD model was developed. This included developing structure files to match the as-surveyed structures and modeling the as-surveyed position of the conductor and overhead ground wires as well as completing calculations per IEEE-738 to determine the as-surveyed temperature of the wires. Pickett then evaluated the position of the vegetation and danger timber under different client specified weather and cable conditions. The results of the vegetation analysis were provided in tabular form and via Google Earth .KMZ files.

As-Built Survey Data Collection: Pickett conducted a LiDAR survey, which included collection of weather data through the use of multiple weather stations installed along the 160 mile transmission right of way. Imagery was also collected in the form of high-resolution aerial orthophotography.

As-Built PLS-CADD Model: An as-built PLS-CADD model was developed. This included the development of an as-surveyed wire model and fitting each individual structure model to match the as-surveyed LiDAR data.

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Clearance Analysis: The as-built PLS-CADD was utilized to evaluate clearances from the conductor to the vegetation LiDAR points over different combinations of weather conditions and minimum clearance values. The results of the reports were provided in a tabular report and shape files delivered in .KMZ format.

---

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Reference 4 of 6

Primary Nature of Service Provided: Aerial LiDAR and PLS CADD Modeling

Location: Florida

Customer: Florida Power & Light

Reference Name: Kim O'Donnell

Reference Phone Number: 561-904-3621

Email Address: Kim.O'Donnell@fpl.com

Construction Value (\$1M min.): Will provide if requested

Description of Project:

Florida Power & Light (FPL) desired to replace approximately 20 miles of transmission line between the Hobe and Plumosus Substations. Pickett was tasked with providing the survey data for design and acquiring the easements necessary for the transmission line. This project was completed in 2019.

Through aerial and field surveys, Pickett provided the data needed to support the design of the new transmission line, as well as information regarding existing rights of way and easements. Pickett utilized its fixed wing aircraft, Optech Galaxy PRIME LiDAR sensor, and Phase One iXURS 1000 digital camera to capture airborne LiDAR and imagery along the corridor, totaling approximately 20 miles. After post processing, data calibration, and accuracy verification, Pickett feature-coded the data to FPL standards and created an ortho-mosaic image. All data was delivered in a PLS-CADD model for use by the engineering team.

Pickett also conducted a ground survey to locate property corners, land corners, and features not visible from the aerial survey. Using a combination of aerial and ground survey, Pickett created a base map in CAD and PDF formats.

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Reference 5 of 6

Primary Nature of Service Provided: Aerial LiDAR and PLS CADD Modeling

Location: Florida

Customer: Gulf Power

Reference Name: Natalie Borrelli

Reference Phone Number: 954-321-2073

Email Address: Natalie.Borrelli@fpl.com

Construction Value (\$1M min.): Will provide if requested

Description of Project:

Phase 2A of the North Florida Resiliency Connection (NFRC) consisted of a 176 mile, 161kV transmission line connecting the Gulf Power grid to the Florida Power & Light (FPL) grid. FPL and Gulf Power requested aerial LiDAR and imagery data to support the design of this 48 mile phase of the new transmission line. This project started in 2019 and is currently ongoing.

ESP Associates, Inc. (ESP) won the award for surveying this phase, and ESP contracted Pickett to acquire and process the airborne data. Through an aerial survey, Pickett provided the data needed to support the design of the new transmission line for Phase 2A.

Pickett utilized its fixed wing aircraft, Optech Galaxy PRIME LiDAR sensor, and Phase One iXURS 1000 digital camera to capture airborne LiDAR and imagery along the proposed Phase 2A corridor, totaling approximately 48 miles. After post-processing, data calibration, and accuracy verification, Pickett featurecoded the data to FPL standards and created an ortho mosaic image. All data was delivered in a PLSCADD model for use by the engineering team.

Appendix B – Minimum Qualification Form  
1410335448 Lidar Mapping Services

Reference 6 of 6

Primary Nature of Service Provided: Aerial LiDAR and PLS CADD Modeling

Location: Maryland

Customer: POWER Engineers

Reference Name: Steve Pasquine, PE

Reference Phone Number: 207-869-1226

Email Address: steve.pasquine@powereng.com

Construction Value (\$1M min.): Will provide if requested

Description of Project:

Baltimore Gas & Electric (BG&E) planned to redesign 85 miles of transmission line over four counties north and west of Baltimore, Maryland. Through an aerial survey, Pickett provided the data needed to support the redesign of the existing transmission line from Mount Airy Substation, through Conastone, Graceton, Bagley, and Raphael substations, and ending at Northeast Substation. This project was completed in 2018.

Pickett utilized its fixed wing aircraft, Optech Galaxy PRIME LiDAR sensor, and Phase One iXU-RS 1000 digital camera to capture airborne LiDAR and imagery along the existing corridor, totaling approximately 85 miles. After post processing, data calibration, and accuracy verification, Pickett feature-coded the data to BG&E standards and created an ortho-mosaic image. All data was delivered in a PLS-CADD model for use by the engineering team.

## LIST OF SUBCONTRACTORS

JEA Solicitation Number 1410335448 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

The undersigned understands that failure to submit the required Subcontractor information on this form will result in bid rejection, and the Company agrees to employ the Subcontractors specified below: (Use additional sheets as necessary)

Note: This list of Subcontractors shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of JEA.

Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount
Surveying	Johnson Surveying & Mapping, Inc.	Don Johnson (904) 619-6630	Provided upon award	5%
Survey Processing	Business Process Solutions, LLC	Tarun Desai (719) 599-5839	Provided upon award	15%

Signed: J. Russell Coby

Company: Pickett and Associates, Inc.

10151 Deerwood Park Blvd.  
Bldg. 300, Suite 230  
Jacksonville, FL 32256

Address: \_\_\_\_\_

Date: 6/15/2021

**LIST OF JSEB SUBCONTRACTORS**

The following JSEB Subcontractors will be utilized in fulfilling the terms and conditions of a Project Authorization arising from award of JEA Solicitation # 1410335448. I (We) the undersigned understand that failure to submit said information will result in bid rejection. I (We) will employ the JSEB Subcontractors specified below: (Use additional sheets as necessary)

Class of Work (Category)	*Name of JSEB Contractor (Indicate below)	Percentage of Total Job or Dollar Amount
Surveying and Mapping	Johnson Surveying & Mapping, Inc.	5%

Signed J. Russell Coby

Company Pickett and Associates, Inc.

Address 10151 Deerwood Park Blvd.  
Bldg. 300, Suite 230  
Jacksonville, FL 32256

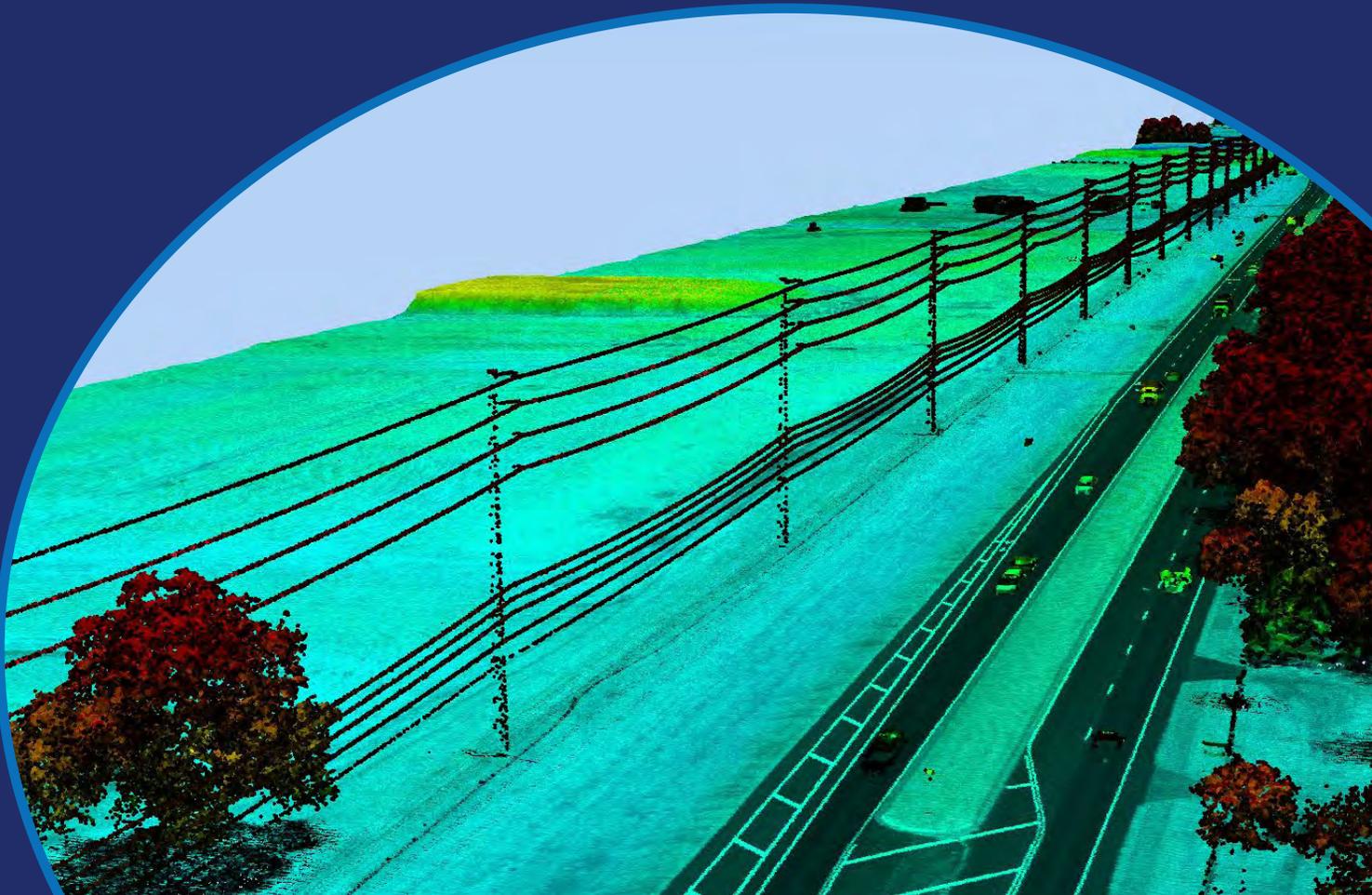
Date: 6/15/2021

Note: This list shall not be modified subsequent to bid opening without a showing of good cause and the written consent of the JEA.

## 2.0 Professional Staff Experience



PICKETT®



## 2.1 Professional Experience

Pickett's mission has always been to provide the safest, economical, high quality, and on time surveying, engineering, and project support services to its clients while becoming a trusted, flexible, and reliable extension of their internal staff.

## 2.2 Team Members

Pickett has assembled a team of veteran Professional Surveyors, Professional Engineers, and managers, who's work focus is local, to lead the project followed by a multi-disciplinary execution team with a diverse set of skills, expertise, and backgrounds to address the range and breadth of services required by the project. We are proposing a dedicated team of internal resources who will be committed to the project for the entire duration to ensure the project's success. There will be a project manager, lead surveyor, and lead engineer for each engineering discipline supported by respective engineering teams. As you will see in our workflow, Pickett utilizes a GIS team integral to the surveying and engineering team to support the LiDAR and Engineering effort.

Two page resumes are provided for the following requested staff:

- Project Manager: Mike Leahy, PE, PSM
- Professional Surveyor: Craig Emrick, PSM
- Lead Engineer: EJ Benton, PE
- Pilot: Mike Welsh



### 2.3 Subcontract Team

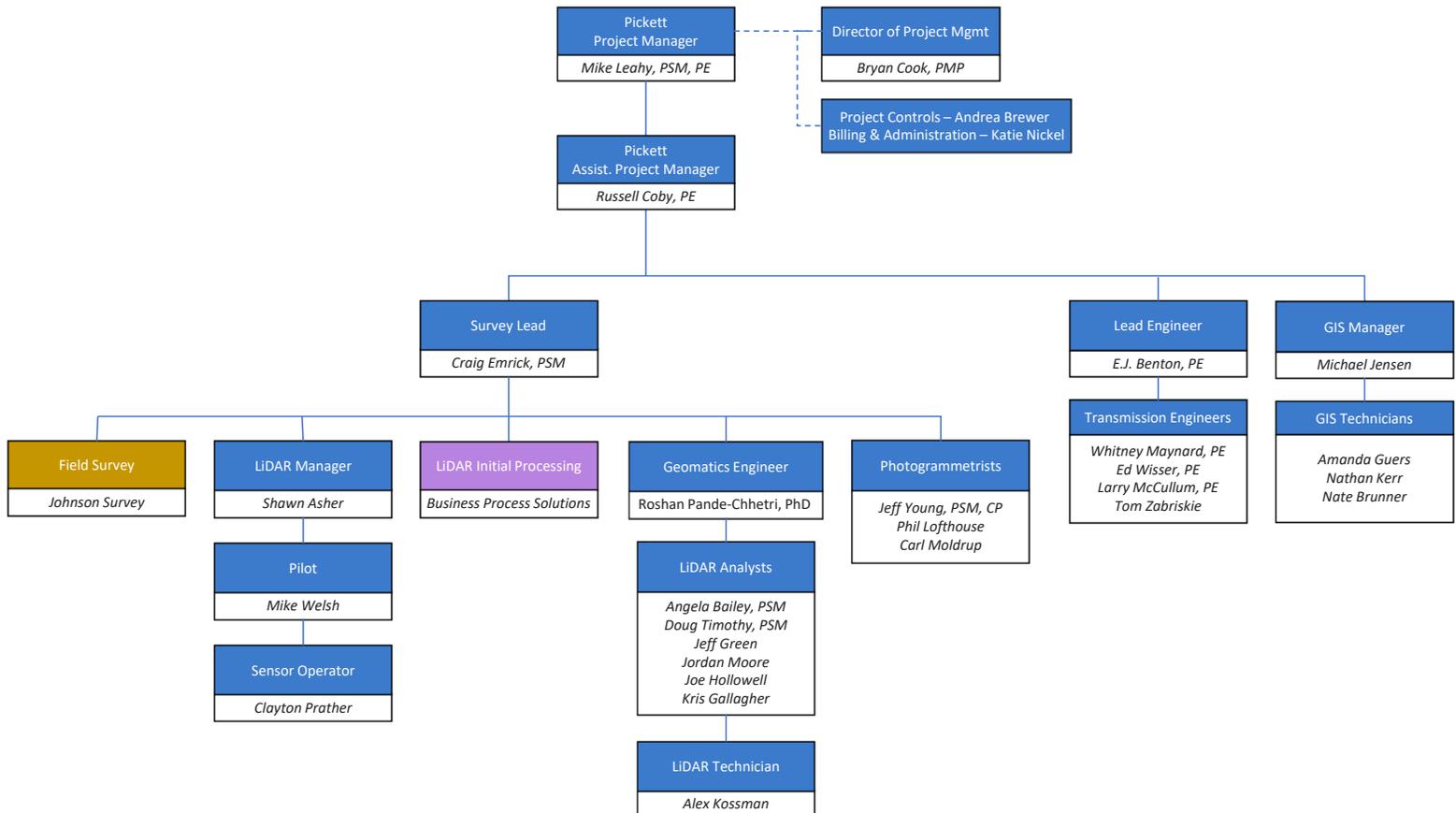


Pickett will subcontract with **Johnson Survey and Mapping, Inc.**, a locally recognized **JSEB** firm, to support field surveys such as establishing survey control and weather stations. Johnson Surveying and Mapping, Inc. offers professional staff with over 90 years of combined surveying and mapping experience for organizations such as JEA, the City of Jacksonville, Florida Department of Environmental Protection, Baker County, St. Johns County, CSX, and many other private and commercial clients. Their team strives to stay on top of technology in order to provide clients with the most cost-effective service.



Pickett will subcontract with Business Process Solutions, LLC (BPS) to assist with the LIDAR feature-coding process. Since 1998, BPS has served North American and British businesses in a variety of areas, including geospatial data processing. Pickett has an established relationship with BPS for over 12 years and has executed LiDAR for several other utility clients.

### 2.4 Project Organizational Chart



# Mike Leahy, PE, PSM

## Project Manager



### Location

Pickett and Associates, Inc.  
5010 West Nassau Street, Tampa, FL 33607

### Education

Master of Science, Civil Engineering  
University of South Florida, 1993

Bachelor of Science, Civil Engineering  
Virginia Tech, 1988

A.A.S. Construction Engineering Technology  
SUNY at Alfred, 1983

### Professional Registrations

Professional Licensed Engineer:  
State of Florida, No. 45287  
State of Georgia, No. 26877  
State of Alabama, No. 25602  
State of North Carolina, No. 29222

Professional Land Surveyor:  
State of Florida, No. 5658  
State of Georgia, No. 2968

Certified General Contractor:  
State of Florida, No. CGC058931

### Years of Experience

With Pickett: 9 years  
Total: 37 years

### Qualifications Summary

Mr. Leahy has over 35 years of managing experience in the design of transmission lines, substations, and communication towers. Mr. Leahy also has 25 years of experience in the survey and geospatial industries. He is skilled in the design of all types of structures including calculations, plan-profile drawings, galloping analysis, swift angle analysis, drilled pier foundation design, catenary-plotting, electromagnetic field and right-of-way analysis, three-dimensional structural analysis, and transmission line loading analysis. He is practiced in the field of line routing studies and construction management and is also proficient in PLS-CADD.

Mr. Leahy is a Licensed Engineer in Florida, Georgia, Alabama, and North Carolina and is a Licensed Professional Land Surveyor in Florida and Georgia. He graduated from Virginia Tech in 1988 and completed his master's degree in 1993 from the University of South Florida.

### Professional Experience

#### **Pickett and Associates, Inc., Bartow, Florida -Chief Operating Officer**

**2012 - Present**

Responsible for overall corporate management and business growth. Project Manager on multiple LiDAR and survey projects.

### Projects:

- Progress Energy Carolinas - NERC Compliance Project
- Reed - Port Orange Basemap Survey
- Midway to Sandpiper #2 - 138kV Phase 2 Basemap Survey
- Midway to Sandpiper #2 - Boundary Survey
- Midway to Sandpiper #2 - Alternate Route Basemap Survey
- Treasure to Midway 500kV LiDAR Acquisition
- Lauderdale - Palm Aire aka NW 31st Ave Topo Survey
- CFWI Well Site Survey and Easement Mapping (C007) Charlotte-Vandolah
- Malabar to Midway Right of Way Staking and Easement Prep
- T21772 Gaco-Roberts 500kV Rebuild Easement Mapping
- Corbett to Martin SFWMD Permit
- Corbett - Sugar - Quarry 500kV

**Mike Leahy, PE, PSM**  
**Project Manager**



- Corbett to Martin SFWMD Permit
- Orange River – Terrytown 500kV Line Rebuild
- Big Bend - Aspen 230kV
- Polk Power CC
- NFRC Transmission Project

**UC Synergetic, Inc., Tampa, Florida – Vice President**

**07/09 – 12/12**

Integral role in Corporate Management, Business Development and Project Management for a national engineering, technical services and consulting company uniquely positioned to meet the demand of both the energy delivery and communication sectors. Project Manager over a NERC Compliance project for Progress Energy Carolinas that included a \$9M LiDAR survey and PLS-CADD modeling and analysis of approximately 6,000 miles that spanned over the course of three years.

**PowerComm Engineering, Inc., Tampa, Florida – CEO**

**01/02 – 07/09**

Responsible for overall success of Engineering and Consulting Firm by establishing new clients and managing transmission design and survey projects and staff. Developed advanced engineering solutions for the electric utility and wireless telecommunications markets.

**Putnam Engineering & Construction, Inc., Tampa, Florida – VP of Power Delivery and Telecom**

**01/97 – 12/01**

Division management, design and construction of power delivery, telecommunications, and structural/civil engineering projects.

**Tampa Electric Company, Tampa, Florida – Senior Transmission Engineer**

**02/88 – 12/96**

Served as Senior Transmission Engineer for TECO, a public utility company, where Mr. Leahy specialized in design, route selection, land surveying, construction, and construction management of transmission projects.

**Location**

Pickett and Associates, Inc.  
475 South First Avenue, Bartow, FL 33830

**Education**

Bachelor of Science, Geomatics  
University of Florida

**Professional Registrations**

Professional Land Surveyor  
State of Florida, No. 5568

Certified Wetland Delineator  
Army Corps of Engineers

**Years of Experience**

With Pickett: 12 years  
Total: 28 years

**Qualifications Summary**

Mr. Emrick is a native Floridian and has been involved in surveying since 1993 in both the public and private sectors statewide. A 2002 graduate of the University of Florida's Geomatics Program, he is a licensed surveyor in the States of Florida and Alabama. Craig is the Vice President of Geospatial Services with Pickett and Associates, Inc., where he is responsible for the management, execution, and quality control of various aerial surveying projects throughout the US and Caribbean.

**Professional Experience**

**Pickett and Associates, Inc., Bartow, Florida - Vice President of Geospatial Services 2009-Present**

Mr. Emrick is responsible for writing project proposals, flight planning, scheduling, budgets, billing, and subcontractor coordination for Pickett's LiDAR service line. He also manages the operations, aviation, and photogrammetry teams. He is also the main point of contact for all aerial survey clients and is the liaison for our largest client for both aerial and conventional surveying.

Mr. Emrick has managed Pickett's LiDAR services for the following transmission clients and projects. Only projects from 2019 to 2021 are shown.

**Tampa Electric Company**

- Big Bend II Solar
- Big Bend at US 301
- CR 672 - Rhodine Road (Transmission)
- CR 672 - New Circuits (Hicks) (Distribution)
- Moffitt Pedestrian Bridge
- MFF/Wheeler Solar

- Graceton to Conastone 2323-2324
- Graceton to Bagley 2313-2305
- Bagley to Raphael Road 2313-2305
- Raphael Road to Northeast 2315-2337
- Riverside to Sollers Point
- Five Forks to Windy Edge
- Raphael Road to Northeast As Built
- Bush River ITN 55945 AS BUILT
- Graceton to Conastone AS BUILT
- Graceton-Bagley-Raphael Rd AS BUILT
- Cedar Park to Waugh Chapel As Built
- Raphael Road to Northeast Feature Coding

**POWER Engineers (for Baltimore Gas & Electric)**

- Five Forks - Face Rock ITN 55869
- Bush River ITN 55945
- Finksburg to Westminster ITN 56381
- Lipins Corner to NAJ ITN 56383
- Conastone - Northwest ITN 61411
- Cedar Park to Waugh Chapel ITN 55798 and 55997
- Conastone - MD Line ITN 61402
- Conastone to Mt Airy Static ITN 61412

**Duke Energy Florida**

- Silver Springs to Martin West to Archer
- Ft- Meade - West Lake Wales As-Built
- South Polk to Parker Branch As Built
- West Chapman to Winter Park East – 69kV Line Rebuild

- West Lake Wales to Lake Wales
- Kathleen to Haines City East 230kV Line
- Powerline Sub to Holder Sub

- Rockingham to West End 230kV West
- Chestnut Hills – Milburnie 115kV Line

Duke Energy Progress

- Cleveland Matthews 230kV Tap
- Porters Neck
- Kenly 115kV Line Tap
- Sutton-Castle Hayne OL-098 LiDAR As-Built
- Cape Fear to West End 230kV
- Erwin to Fayetteville 115kV
- Fayetteville to Fayettevill Dupont SS 115kV

Dewberry Engineers (for Florida Power & Light)

- FPL Raven - Fort White
- FPL Raven - Fort White Reroute
- FPL Bermont to Charlotte

American Electric Power

- Reusens to Roanoke
- Bancroft to Turner

**Nick Miller, Inc. - Professional Surveyor and Mapper**

**2003-2006**

Mr. Emrick served as the project manager on a variety of survey types, including boundary surveys, topographic surveys, construction staking, subdivision plats, and cadastral mapping.

**The University of Florida - Teaching Assistant**

**2000-2002**

During undergraduate studies, Mr. Emrick was a Teaching Assistant for two Geomatics courses. In addition to teaching, he helped develop the lab assignments for the Geodetic and Control Surveying and Project Development and Visualization course.

**Hillsborough County Real Estate Department - Surveyor**

**1993-2000**

Mr. Emrick started as an Engineering Technician I (Rod Man) as part of a three man surveying crew in 1993. He progressed to become a Jr. Party Chief in 1995. The following year, he was promoted to an Engineering Technician II, where he began processing survey projects using AutoCAD software. He also helped maintain survey related software and databases and trained employees in the programs.

**Hillsborough County Real Estate Department - Storekeeper**

**1989-1993**

Mr. Emrick's responsibilities as storekeeper were: supplying field crews with supplies, ordering of materials and supplies, and keeping inventory of materials and supplies. He was promoted to this position after one year of serving as a laborer.

**Heidt & Associates - Rodman**

**1988-1989**

Me Emrick served as the rodman on a variety of surveys. Most surveys focused on residential developments. He was responsible for loading and fueling the truck each day, cutting line, and operation of level rods and prism poles for data collection.

### **Location**

Pickett and Associates, Inc.  
5010 West Nassau Street, Tampa, FL 33607

### **Education**

Bachelor of Science, Civil Engineering,  
University of South Florida, 2009

### **Professional Registrations**

Professional Licensed Engineer:  
State of Florida, No. 76954  
State of Indiana, No. PE11900030  
State of Michigan, No. 6201067032  
State of New York, No. 095003  
State of North Carolina, No. 042218  
State of South Carolina, No. 34219  
State of Texas, No. 119779  
State of West Virginia, No. 22347

### **Years of Experience**

With Pickett: 8 years  
Total: 14 years

### **Qualifications Summary**

Throughout his career, Mr. Benton has maintained a steady focus on process and procedures utilizing efficient error elimination strategies through the implementation of team review stages and effective day to day work practices. Mr. Benton has held leadership and technical roles in numerous projects. His past experience includes the design and evaluation of steel, concrete and wood transmission structures; the development of design requirement drawings; plan-profile drawings; permit drawings; drilled pier foundation design; three-dimension structural analysis; transmission line ratings analysis, and NERC analysis. Mr. Benton is well versed in the PLS-CADD suite of software, including finite-element as-built modeling and finite element structural analysis.

### **Professional Experience**

#### **Pickett and Associates, Inc., Tampa, Florida - Director of Engineering**

**2013 - Present**

Mr. Benton is involved in business development, management, and engineering at the company. He has maintained an active role in the technical aspects of the power delivery business line. This includes assuming project lead roles, executing transmission line projects ranging from large cross-country rebuild projects to special non-standard substation tie line projects. Mr. Benton is also responsible for technical training and development of staff, developing company standards and quality work process, and procedure development.

#### **Projects:**

**Project Client & Facility:** North Florida Resiliency Connection, Gulf Power (NextEra), Florida

**Role on Projects:** Lead Project Engineer

#### **Brief Description of Assignment:**

Detailed engineering services for a new 176-mile, 161kV transmission line from FP&L's Light Raven Substation in Lake City, FL to Gulf Power Sinai Cemetery Substation near Chattahoochee, FL. Project includes the detailed design of transmission, distribution, civil access, permitting, site investigations, and a repeater station. Project includes the rebuild of 14 miles of 230kV transmission as well as 22 miles of distribution for six different utilities.

**Project Client & Facility:** Amos-Kammer 765kV As-Build Model, American Electric Power, West Virginia

**Role on Project:** Project Lead

#### **Brief Description of Assignment:**

Acted as Project Lead in the development of an as-built PLS-CADD model of a 160 mile 765kV line. The scope included LiDAR and weather data acquisition provided by Pickett. Structure and assembly drawings were reviewed, structure models were developed, inserted into the PLS-CADD model, and adjusted to match the LiDAR data. Coordination took place between the client to determine the line loading at the time of LiDAR data acquisition.

IEEE- 738 standard calculations were utilized in the development of the as-surveyed wire mode. The as-surveyed wire model was then used to evaluate clearances to obstacles, including vegetation, under different weather and loading conditions. The clearance results were provided in tabular form and Google Earth .KMZ format to allow foresters to target tree trimming.

**Project Client & Facility:** Henderson-V.P. Kerr Dam, Duke Energy Progress, North Carolina

**Brief Description of Assignment:**

Providing complete design services necessary for a 115kV transmission line shieldwire replacement project near Henderson, NC. The new line re-used the existing conductor; however, the existing shieldwire was removed and replaced with one 3/8" HS Steel OHGW and one AFL 0.465" OPGW. The new shieldwire was larger and heavier than the existing shieldwire; thus, all the existing predominantly wood h-frame structures were modeled as method 4 structures within PLS-CADD to ensure the structures could handle the increased loading. This required working with an existing as-built PLS-CADD model with clipped cables. Care was taken to maintain the integrity of the as-built wire model when inserting the method 4 structures for analysis. Services required preparation of PLS-CADD design and construction package, design, and construction support, BOMs, and as-builts.

**Project Client & Facility:** Lee-Wallace 115kV, Duke Energy Progress, North Carolina

**Role on Project:** Project Lead

**Brief Description of Assignment:**

Acted as Project Lead providing complete design services to replace the OHGW on 61 mile 115kV line. Services required inserting method-4 PLS-POLE models into a FE Sagged ("Clipped") PLS-CADD model for structural analysis, stakeholder coordination, construction sequencing, real estate evaluations, construction package, and construction support. After construction completion, project closeout was completed in the form of as-build PLS-CADD model development and drawing updates. This included the incorporation of field and office design change documentation, LiDAR survey, oblique structure photography acquisition and review. Also, the as-build PLS-CADD model was used to evaluate design clearances and structural adequacy.

**Bechtel Corporation, Frederick, Maryland - Civil Engineer/Technical Specialist**

**2012 - 2013**

Mr. Benton was the PLS-CADD design lead providing design and construction support of a 300-mile, 500kV High Voltage Direct Current Transmission Line Project. Mr. Benton was responsible for quality control, developing and implementing project procedures, training and instructing the design staff in Maryland and New Delhi, India, and authoring the project's design specifications.

**UC Synergetic, Inc., Tampa, Florida – Associate Engineer**

**2007 - 2012**

Mr. Benton was responsible for training the technical staff in PLS-CADD and the analysis and design of high voltage transmission lines. Mr. Benton authored and implemented company-wide procedure standards for the line ratings analysis of existing transmission lines using finite element as-built modeling. Mr. Benton also designed and developed design documents for many cross-country as well as urban transmission lines.

**Project:**

**Project Client & Facility:** Systemwide 115kV, 230kV, and 500kV NERC Analysis, Progress Energy Carolinas, North Carolina

**Role on Project:** Project Lead

**Brief Description of Assignment:**

Provided technical direction and authored the procedure to develop as-surveyed PLS-CADD models of the client's entire transmission system. As-surveyed PLS-CADD models were developed through the importing of LiDAR surveys through the use of the graphical sag tool and IEEE 738 thermal calculations.

**Location**

Pickett and Associates, Inc.  
475 South First Avenue, Bartow, FL 33830

**Education**

Master of Science, Landscape Architecture  
North Carolina State University

Bachelor of Science, History/Anthropology  
North Carolina State University

**Qualifications Summary**

Mr. Welsh is a Commercial Pilot and Certified Flight Instructor. He has more than 7 years of flight operations and management experience. Currently Michael is involved with data acquisition, project development, and management. He also has more than 5 years' experience feature-coding LiDAR data.

Mr. Welsh has successfully planned negotiated, managed, and executed aerial survey projects throughout the U.S., the Caribbean Island. This wide range of operational experience gained over the years can provide unique insights that can mean the difference between success and failure on challenging projects.

**Professional Experience**

**Pickett and Associates, Inc., Bartow, FL - Chief Pilot**

**2016-Present**

Mr. Welsh has flown and acquired LiDAR data for the following transmission clients and projects. Only projects from 2019 to 2021 are shown.

**Tampa Electric Company**

- Big Bend II Solar
- Big Bend at US 301
- CR 672 - Rhodine Road (Transmission)
- CR 672 - New Circuits (Hicks) (Distribution)
- Moffitt Pedestrian Bridge
- MFF/Wheeler Solar

- Five Forks to Windy Edge
- Raphael Road to Northeast As Built
- Bush River ITN 55945 AS BUILT
- Graceton to Conastone AS BUILT
- Graceton-Bagley-Raphael Rd AS BUILT
- Cedar Park to Waugh Chapel As Built
- Raphael Road to Northeast Feature Coding

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- Conastone - Northwest ITN 61411
- Cedar Park to Waugh Chapel ITN 55798 and 55997
- Conastone - MD Line ITN 61402
- Conastone to Mt Airy Static ITN 61412
- Graceton to Conastone 2323-2324
- Graceton to Bagley 2313-2305
- Bagley to Raphael Road 2313-2305
- Raphael Road to Northeast 2315-2337
- Riverside to Sollers Point

**Duke Energy Florida**

- Silver Springs to Martin West to Archer
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- South Polk to Parker Branch As Built
- West Chapman to Winter Park East – 69kV Line Rebuild
- West Lake Wales to Lake Wales
- Kathleen to Haines City East 230kV Line
- Powerline Sub to Holder Sub

**Duke Energy Progress**

- Cleveland Matthews 230kV Tap
- Porters Neck
- Kenly 115kV Line Tap
- Sutton-Castle Hayne OL-098 LiDAR As-Built

**Mike Welsh**  
**Chief Pilot**



- Cape Fear to West End 230kV
- Erwin to Fayetteville 115kV
- Fayetteville to Fayettevill Dupont SS 115kV
- Rockingham to West End 230kV West
- Chestnut Hills – Milburnie 115kV Line

Dewberry Engineers (for Florida Power & Light)

- FPL Raven - Fort White
- FPL Raven - Fort White Reroute
- FPL Bermont to Charlotte

American Electric Power

- Reusens to Roanoke
- Bancroft to Turner

**McKim & Creed Engineers - Lidar Technician II/Aerial Sensor Operator**

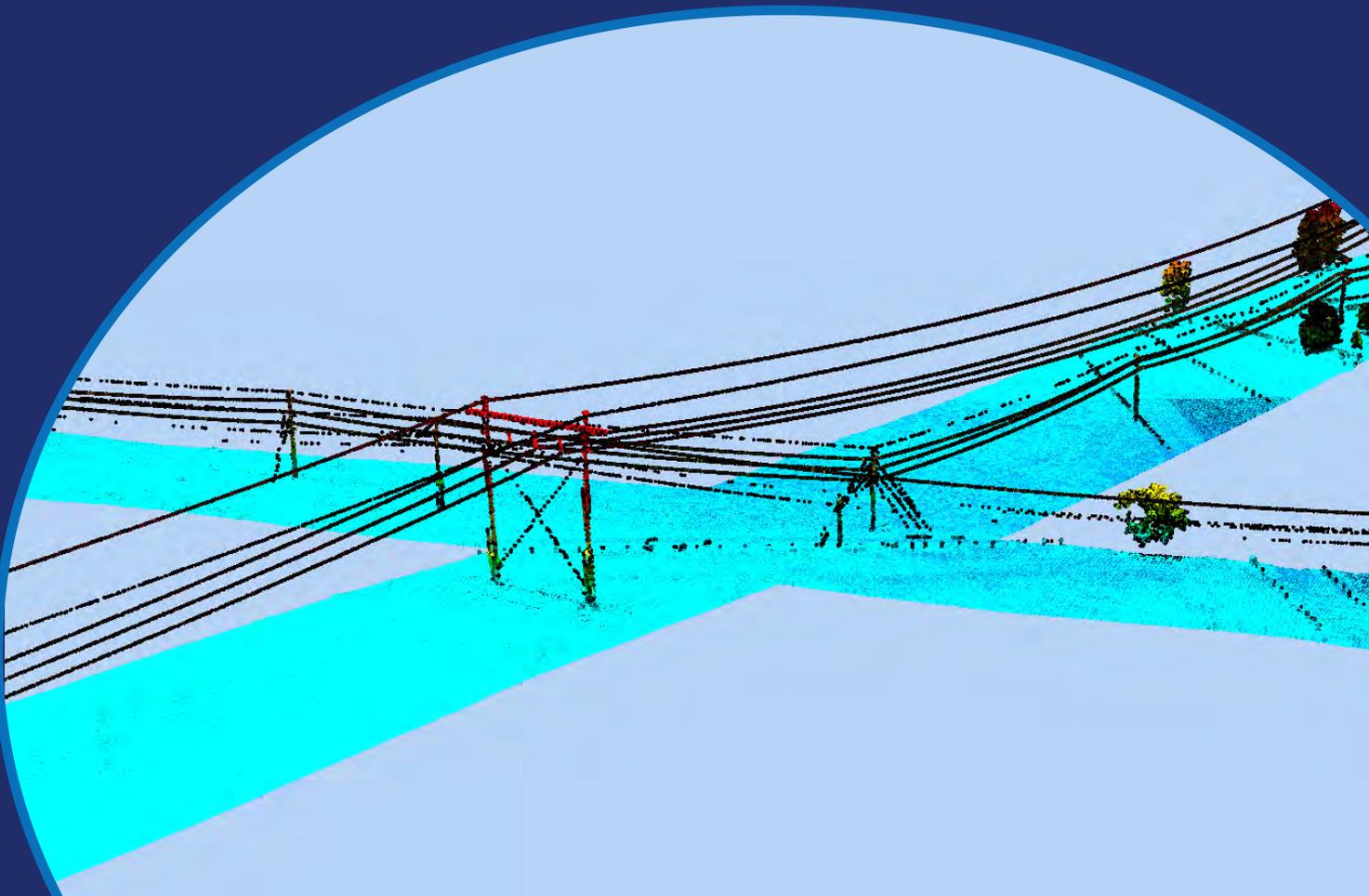
**2012-2016**

Mr. Welsh served as a LiDAR Technician and sensor operator for aerial LiDAR missions around Raleigh, North Carolina.

## 3.0 Project Approach and Work Plan



PICKETT®



### 3.1 Introduction

Pickett is very well positioned to perform the intended LiDAR Survey, mapping, modeling, and engineering scope. The level of service Pickett will provide to the JEA project team is second-to-none. **We have a reputation for being asked to solve complex engineering problems.** Our experience and capabilities are uniquely aligned to execute this specific type of scope – **we are a Geospatial, Surveying, Mapping, and Engineering firm that specializes in transmission and utility projects.** Our team is able to perform the entire LiDAR acquisition and engineering scope of work directly.



### 3.2 Scope of Work

The Pickett team has an intimate understanding of the project scope put forth in the RFP. Our team will execute **Professional Surveying** services, **Professional Engineering** services, and overall **Project Management** for an accurate and on time project. Pickett will assemble deliverables as stipulated within the RFP.

### 3.3 Budgetary Goals and Cost Effectiveness

**Scoping** – The Pickett team has the knowledge and experience to not only execute the entirety of the scope of work, but to holistically lead it. Budgetary goals are first properly established with proper scoping which requires a detailed understanding of execution. For example, understanding that not only will the project require LiDAR surveying, modeling and engineering, but understanding intimate details such as how establishing survey control, flight planning, etc. will impact the overall project schedule. The foresight of the intimate project details will align goals properly.

**Project Management** – Pickett provides an adaptive and efficient project management and controls approach. The methodology applied to all projects provides integration of cost, schedule, and scope to allow transparent management and reporting. Our team customizes the project management approach to individual projects, or in this case a program, to ensure efficiencies are exploited. Pickett also administers a subcontract management program that promotes consistency through a subcontract lifecycle. This lifecycle includes specific, measurable, and feasible targets related to the project purpose and connected to the work breakdown structure.

**Efficiency** – The Pickett team is built with strategic resources and tools to increase our efficiency. The use of our engineering team, combined with our geospatial and survey capability, our GIS tools and mapping ability create a well-functioning team which can execute transmission projects quickly and effectively. The Pickett team has direct experience with these types of programs and have procedures for executing this type of work.

**Coordination and Collaboration** – The Pickett team intends to maintain regular and frequent

communication with the JEA project team. If/when challenges arise, we are quick to schedule meetings for the whole team to collaborate and come the best possible solution. Our ability to react quickly in addition to our normal communication processes will result in effective execution.

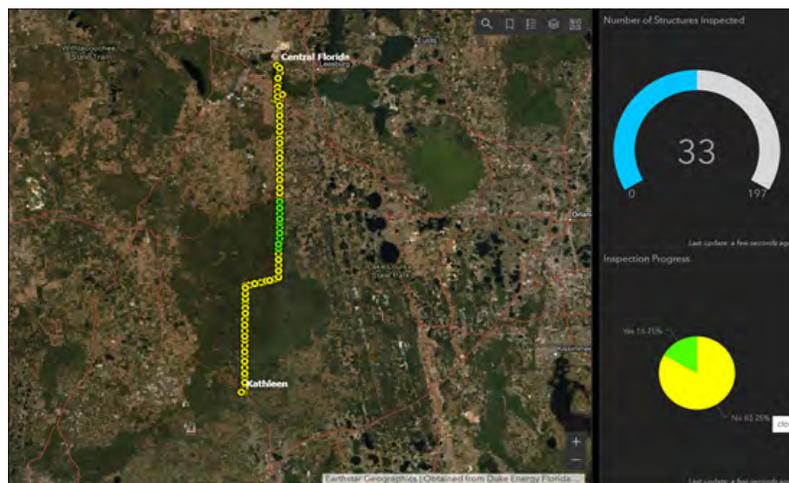
### 3.4 Strategic Worklow and Creative Innovation

Pickett has the creativity to think outside the box to resolve complex situations, and we are always looking for ways to improve processes, improve communication and simplify decision making throughout project execution.

#### A. Geographic Information Systems (GIS)

One way we have created a strategic workflow through creative innovation is via our Geographic Information System (GIS) – we offer progressive solutions to meet the demanding needs of major projects from start to finish. Pickett offers the ability to analyze large amounts of data through a geospatial component, which allows our team members and clients to simultaneously visualize projects as they progress through time.

At Pickett, GIS is utilized not only has an analysis tool but also a communication tool that can keep JEA updated on the progress of a project. For a project like this a dashboard would be created that would include Transmission Line and structure locations that change color depending on the phase of the project it is in. For example, as soon as a line is flown the phase will change color. Other examples would be LiDAR data processed, Engineering Report Available, etc. Charts will be present on the sides of the map to show a high-level percent complete. As reports are completed, they will also be available as an attachment when searching a specific transmission line or structure. Engineers will flag locations of circuit violation as they analyze the data, which will also be easily visible. Structures can be updated to have structure information if necessary. Using GIS and Dashboards, we hope to provide an interactive way to see progress though project completion. If JEA utilizes ESRI products an additional deliverable can be an ESRI File Geodatabase that includes all information found within the dashboard, including attachments.



GIS Portal Example



### 3.5 Project Planning

#### A. Project Kickoff

Upon award, Pickett will lead a Kick-off meeting with the JEA team to establish lines of communication as well as elaborate on our project approach.

#### B. Project Criteria

Prior to execution, the Pickett team will develop project criteria and standard modeling files and review with the JEA team. These files will form the basis of data acquisition and modeling deliverables. These files include: feature code (.fea), criteria (.cri), and plan and profile settings (.pps). Establishing criteria will also consist of developing phase and sets to be used during modeling.

#### C. Existing Circuit Data

Pickett would like to gather any other relevant circuit data from the JEA team.

#### D. Flight Planning

Immediately upon award, our team will be scheduling and planning begin coordinating flights with the FAA and other stakeholders. The JEA service area is partially covered by one Class B airspace (JAX) and five Class D airspaces (CRG, NIP, NRB, NZC and Whitehouse OLF). Pickett is experienced in effectively coordinating flights with these air traffic controllers to ensure the success of the flight missions.

Since there are six controlled airspaces in JEA's territory, Pickett would split the service area into multiple sections to minimize the controlled airspaces we would enter on any given day. This would reduce the number of airspace controllers we would be working with each day, which reduces the conflict between these airspaces. As these flights are scheduled, our detailed project schedule and our GIS portal will be updated to reflect the plan and status.

### 3.6 LIDAR Proposed Work Plan

#### A. Horizontal and Vertical Datums

All delivered data files will be in North American Datum of 1983 (Adjustment of 2011), Florida State Plane Coordinates, East Zone, and the North American Vertical Datum of 1988, all in US Survey Feet.

#### B. Accuracy

Absolute horizontal accuracy of the LIDAR is calculated as  $1/10000 \times \text{Altitude}$ , which equals 0.17 foot  $\text{RMSE}_{xy}$ . Absolute vertical accuracy of the DEM will be 0.15 foot  $\text{RMSE}_z$  or better (typically 0.25 foot or better at the 95% confidence interval). These values are valid on hard-surface features only.



#### C. Survey Control

Pickett will subcontract with Johnson Survey and Mapping, Inc. to survey aerial targets and/ or photo-identifiable (PID) points, and vertical checkpoints at each PID on open, hard surfaces. Pickett will provide the desired locations for these survey control points.

#### D. Weather Data

Weather data will be collected along the line per JEA specifications. This will be performed by placing weather stations at specified intervals along the transmission line during flight.

#### E. Data Collection

1. Pickett will provide the aircraft, crew, calibrated Optech Galaxy T2000 LiDAR sensor, and Phase One iXu-RS 1000 digital camera for the collection of LiDAR data and imagery for the requested area. Pickett will also furnish the collection of GPS during the flight mission.
2. The LiDAR data will be collected at an altitude of 1,700 feet, with nominal point density of 22.3 points per square meter on a single pass. With 55% side lap, the final nominal point density will be 42 points per square meter or higher. Digital color imagery will be collected simultaneously and will have a ground sample distance of 3.4 cm (1.3 inch) per pixel before re-sampling.

#### F. PLS-CADD Model

1. Pickett will split the PLS-CADD models into segments that make sense for JEA and the Engineering team. This will enable manageable-sized models to be delivered throughout the project, speeding up the overall timeline.
2. The point cloud will be classified using the JEA feature-code list. Points of attachment and other features will be added to the LiDAR dataset. The classified LiDAR data will then be imported into PLS-CADD models.
3. Ortho-mosaic imagery with a 3-inch ground sample distance will be created and added to the PLS-CADD models.
4. Planimetrics of the feature-coded items will also be created based on the LiDAR data and included in the PLS-CADD models.

### 3.7 Engineering Proposed Work Plan

Pickett staff utilize the current versions of PLS-CADD suite to perform design work.

#### A. PLS-CADD Directory Structure

Our team creates file structures which are consistent and transferable with our clients. Therefore, our team will develop a file structure for PLS files such that JEA can easily perform a quick restore of the .bak files. The main model files (e.g. .xyz, .fea, .cri, etc.) will fall within the primary folder with circuit name and all component files will be within subfolders.



## B. Structure and Section Modelling

On receipt of the LiDAR survey that has previously undergone quality assurance (QA) checks and quality control (QC) reviews, the data will be imported into PLS-CADD models. This shall include the following steps:

1. Adjust structure model's horizontal locations to match the base of structure points provided.
2. Create requisite Method 1 (M1) structure models to match the appropriate structure type including suspension insulator swings.
3. Perform height adjustment for each M1 model at each structure location, as necessary.
4. If applicable, adjust any guy anchor locations per the as-built survey points.
5. If necessary, model underbuilt facilities and add mid-span poles.
6. Review all adjusted M1 structure models locations. All M1 structure model locations shall match the structure base points. All pole attachment points (e.g. guys, transmission, distribution, joint use, and static) shall match the as-built survey points. All guy anchor or span guy attachments shall match the as-built survey points.
7. Using the as-surveyed wire temperatures, set up the Batch Thermal Calculator for performing the IEEE-738 calculation. Additionally, for lines where a new PLS-CADD model was created, determine the wire types and string in the new wire.
8. Graphically sag the wire model in PLS-CADD to match the surveyed wire points and the as-surveyed wire temperature and cable condition.

## C. Clearance Checks

After the PLS-CADD model has been updated, the as-built facilities will then be checked against JEA/NESC clearances. This shall include the following steps:

1. Ensure that appropriate feature code and criteria file has been loaded into the model meeting JEA requirements.
2. Run a "Survey Point Clearance Report" in PLS-CADD for the sections of the model for the as-built facilities using appropriate weather cases and other "Survey Point Clearance Report" criteria.
3. Evaluate the results of the Survey Point Clearance Report.
4. Assemble report of clearance check results and conduct self-check.

## D. Vegetation

The as-built PLS-CADD model will be used to identify any potential vegetation issues from a grow-in and/or fall-in perspective based on JEA requirements. The results will be provided within georeferenced maps.



#### E. Quality Control

An internal review will then be conducted by a licensed Professional Engineer at Pickett. An independent reviewer (i.e. team member other than the team member that performed the PLS-CADD work and reporting for the line) will review the survey information, PLS-CADD model, and calculation results report against a checklist developed specifically for the PLS-CADD modeling project.

### 3.8 Reporting

The Pickett team will develop a library of deliverables for JEA. The deliverables will be circuit based with a folder for each circuit.

- A. PLS-CADD BAK Files
- B. Clearance Reports
- C. Thermal Rating Reports
- D. Identification of any Points of Interest that would limit max operating conditions or concerns for JEA/NESC Clearances, and
- E. System Rating Table

### 3.9 Drawings, Mapping, and Asset Management

In addition to circuit reporting of ratings and violations, the Pickett team anticipates the following deliverables:

- A. Google Earth: Each circuit folder will include a rendered KMZ exported from PLS-CADD.
- B. Route of Line Maps: Plan view 11x17 PDF maps will be provided for each circuit illustrating routing of the line, circuit centerline, and structure locations.
- C. GIS Geodatabase: ESRI data base of transmission assets with associated attributes and attachments for each structure and wires.
- D. Plan and Profiles Drawings: It is not anticipated that Plan and Profile (P&P) drawings will be a standard deliverable for this project. However, PLS-CADD models will be formatted with the JEA specified .pps settings such that P&Ps could be formatted and exported under additional scope.



### 3.10 Schedule

Pickett offers the following milestone schedule. Please see Appendix A for a detailed schedule. The Pickett Project Management team will maintain the engineering schedule for the duration of the engineering. Our team understands the goal is to complete as much work as possible prior to FY22 (October 2021). Our anticipated schedule reflects a moderate approach based on our previous experience with projects of similar scope. Our team is open to discussing a more aggressive approach, but we do not predict that substantial completion is achievable by October 1.

The LiDAR acquisition will be governed by geography and more importantly regulated air space. These factors will likely dictate the sequence of work. However, when possible, our team will prioritize higher voltages first.

Task	Duration	Start Date	Finish Date
<b>Project Initiation</b>	<b>11 days</b>	<b>Fri 7/16/21</b>	<b>Fri 7/30/21</b>
<b>LiDAR Survey</b>	<b>87 days</b>	<b>Tue7/20/21</b>	<b>Wed11/17/21</b>
Survey Control & Weather Stations	20 days	Tue7/20/21	Mon 8/16/21
Flight Planning	5 days	Tue7/20/21	Mon 7/26/21
Data Acquisition	20 days	Tue7/27/21	Mon 8/23/21
Oblique Image Acquisition	20 days	Tue 8/3/21	Mon 8/30/21
Data Processing	20 days	Tue 8/10/21	Mon 9/6/21
Feature Coding	60 days	Tue8/17/21	Mon 11/8/21
Ortho Creation & DEM	60 days	Tue 8/17/21	Mon 11/8/21
Quality Assurance/Quality Control	60 days	Tue 8/24/21	Mon 11/15/21
Survey Report	2 days	Tue 11/16/21	Wed 11/17/21
<b>Engineering</b>	<b>100 days</b>	<b>Tue 9/7/21</b>	<b>Mon 1/24/22</b>
Modeling	65 days	Tue 9/7/21	Mon 12/6/21
Reporting and Deliverables	20 days	Tue 12/7/21	Mon 1/3/22
Drawings, Maps, and GIS	15 days	Tue 1/4/22	Mon 1/24/22
<b>Project Closeout</b>	<b>1 day</b>	<b>Tue 1/25/22</b>	<b>Tue 1/25/22</b>



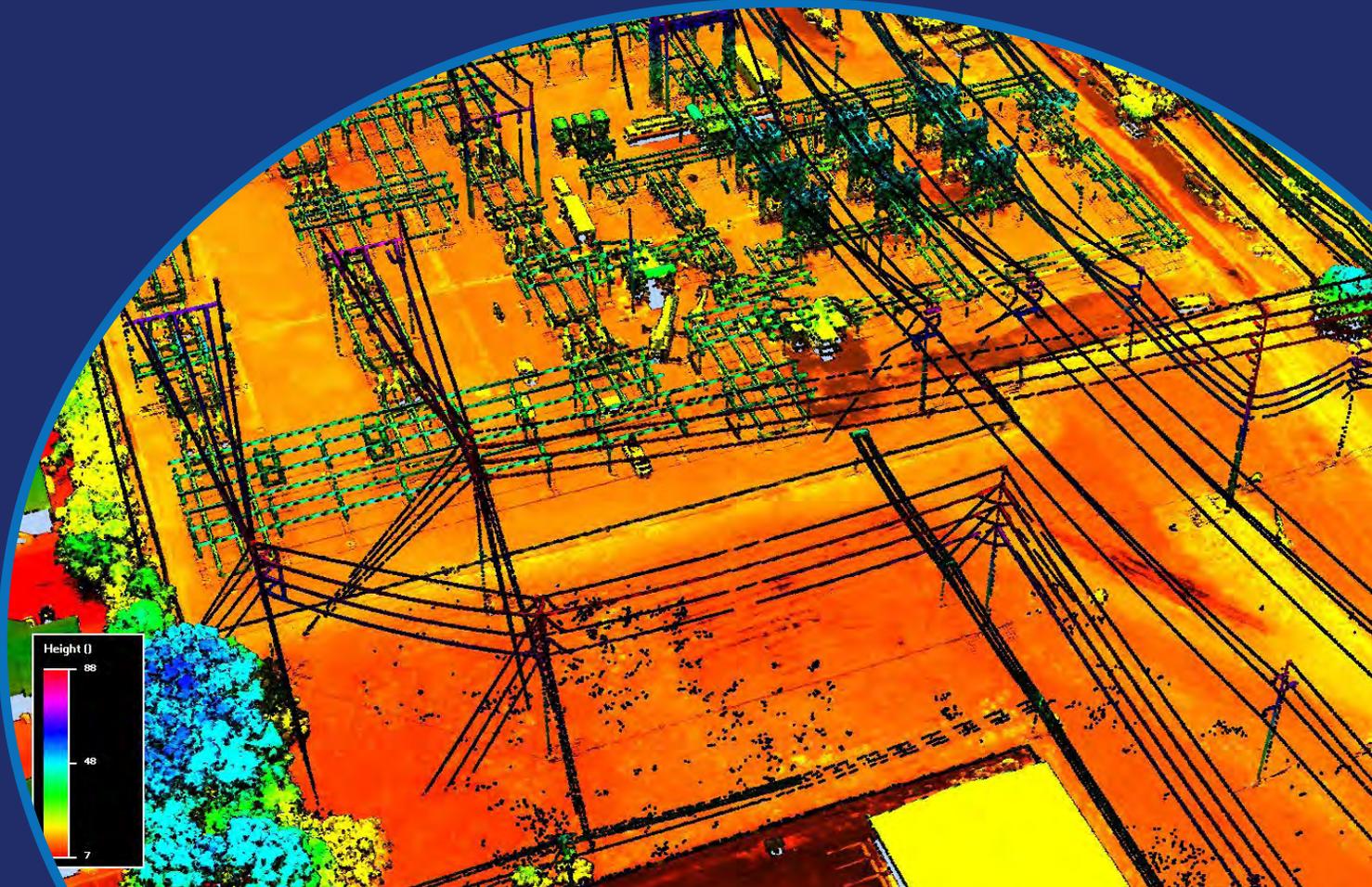
### 3.11 Level of Effort

Upon selection and final definition of Scope, Pickett will provide a detailed cost proposal. Below is a level of effort estimate summary provided for reference.

Classification	LiDAR*	Engineering	Total
Project Manager	276	328	604
Lead Surveyor	497	-	497
Lead Engineer	-	394	394
Pilot	256	-	256
Assistant Project Manager	-	328	328
Project Controls Specialist	197	189	386
Senior Engineer	-	512	512
Project Engineer	-	547	547
Associate Engineer	-	1,348	1,348
GIS Manager	-	182	182
GIS Technician	-	809	809
Flight Crew	256	-	256
Senior LiDAR Analyst	286	-	286
LiDAR Analyst	460	-	460
LiDAR Technician	541	-	541
Photogrammetrist	538	-	538
<b>Total</b>	<b>3,307</b>	<b>4,637</b>	<b>7,944</b>

\* Labor hours do not include sub-contracts.

# 4.0 Company Experience



#### 4.1 The Pickett Advantage

Pickett's experience and capabilities are uniquely aligned to execute these specific types of projects. The following are some of the attributes that set our team apart:

- **Local** – We have a local team that can support JEA.
- **Familiarity** – Our team is comprised of local team members who are native to Florida, some of them native to Jacksonville, familiar with various JEA stakeholders.
- **Responsiveness** – The Pickett team understands the significance of response time with this contract and we are prepared to execute in a timely manner.
- **Professional** – We have Florida licensed professional engineers and surveyors in the disciplines necessary for LiDAR surveying and PLS-CADD modeling.
- **Experienced** – The Pickett team has experience in both engineering and surveying. Our team has also worked with a variety of utilities to perform similar work; therefore, we bring knowledge of neighboring utilities to the JEA team.



#### 4.2 About Pickett

Pickett provides transmission and substation engineering, surveying, aerial mapping, and LiDAR services to electric utilities, environmental consultants, mining operations, construction companies, telecommunications companies, and power consultants. We underpin these integrated service offerings with robust project management and quality. This exclusive combination of in-house engineering and mapping services provides efficiency opportunities to our clients. For over 60 years, clients have recognized Pickett for our vast experience, outstanding service, and exceptional safety practices. Our engineers are licensed in 32 states and serve clients in the southeast, mid-Atlantic, midwest, and southwest.

### 4.3 Core Competencies

At Pickett, we pride ourselves on being asked to solve complex engineering problems. In just the last six years alone, our engineers have worked on over 700 projects and developed strong and collaborative relationships with our clients, founded upon our values, brand promises and experience.

We assemble **a core project delivery team** for each client. Each team member becomes a Subject Matter Expert (SME) in the client's design standards, practices, and philosophies with responsibility for training all future team members. This enables our project execution teams to be scalable with the ability to perform multiple projects effectively and concurrently.

### 4.4 Our Services

#### Precision Aerial LiDAR and Digital Imaging Services

We have extensive experience in acquiring, processing, and delivering virtually any format of digital imagery or light detection and ranging (LiDAR) data. As a full-service aerial acquisition, survey, and data management provider, we deliver precise, reliable results.

We use fixed-wing aircraft capable of collecting data for wide area, high altitude projects, and also in low altitude corridors at slower speeds. Our aerial LiDAR sensor is among the most sophisticated and technologically advanced in the world, allowing us to cost effectively produce exceptional LiDAR survey and mapping products.

Aerial LiDAR sensing is an efficient method for scanning corridors such as transmission lines or roadways, or for mapping significant acreage or many square miles. Our digital aerial mapping services are supported by a high-resolution digital camera system that is fully integrated with the LiDAR sensor.

Using data fusion, Pickett can merge the results of ground surveys, multibeam hydrographic surveys, aerial LiDAR, and digital imagery into a complete, all-encompassing map. For power transmission and distribution clients,



the data is packaged into the familiar PLS-CADD format, in accordance with client standards, accelerating readiness for overhead power line design. Additionally, Pickett maintains various software packages for compatibility with a wide variety of clients and business sectors.

### **Unmanned Aerial Systems**

At Pickett, we view Unmanned Aerial Systems (UAS) as a next-generation solution for mapping and inspecting property and infrastructure. For more than 20 years, we have been running airborne operations and building an outstanding reputation in the aerial mapping field. Pickett applied these decades of experience in aerial imaging and mapping toward our research and investment in UAS.



Pickett has been at the forefront of the UAS industry since 2015, and complies with all FAA regulations. We have since developed a system for capturing and processing imagery using Unmanned Aerial Vehicles (UAVs) outfitted with a high-resolution digital camera. This provides additional, affordable capabilities to augment our aerial mapping services.

Our UAS offerings include video inspection, documentation of utilities, power lines, farmland, site imaging for insurance purposes, or for topographic mapping, and/or volume computations. Our UAVs are specifically suited for focused or overall site video and image acquisition. Our fleet of UAVs provides a safe, efficient and cost effective means to deliver professional inspection, mapping and engineering services.

### **Transmission Line Engineering**

**Engineering roots deeply entrenched in transmission line design** - Many of Pickett's engineers have prior experience serving in the transmission line department at an electric utility. This gives them a unique perspective and appreciation of the challenges our clients face. We design with construction and maintenance in mind, and consistently seek ways to help clients reduce capital and operating costs.

**Highly experienced transmission line engineers** - We have provided full life-cycle engineering services necessary to support hundreds of line builds/rebuilds, overhauls, re-conductor, shieldwire replacements and substation cut-ins with new and replacement structures comprising lattice towers, and steel, concrete and wood poles. Voltages range from 69kV to 500kV across varying terrains, including mountainous areas, major water crossings, wetlands, urban centers and coastal areas.

**Specialized transmission engineering capabilities and experience** - Our engineers have modeled and analyzed over 12,000 miles of transmission line for compliance with NERC FAC-008 facility ratings requirements. We have helped our clients define their as-built process using weather data, line loading information and PLS-CADD, and performed PLS-CADD based as-

builds LiDAR verification on numerous projects. Our experience in interpreting lattice tower shop drawings and developing and analyzing models in PLS-Tower enables us to assist our clients tackle complex, high-profile and mission-critical projects; such as telecommunications joint-use, structure remediation and major water crossings.

### **Transmission Civil Access Design and Improvement**

Utilizing Pickett's depth of experience in transmission line engineering, civil engineering, GIS and surveying, Pickett's engineers have designed, permitted, inspected and assisted with construction management of the installation of over 1,000 miles of access roads and right-of-way improvements through wetlands, low water crossings, tidal crossings and unstable upland areas. Pickett's civil engineering and field services teams offer permitting, design and field support services for numerous types of transmission right-of-way access improvements, including:

- At-grade access roads and right-of-way stabilizations
- Above-grade access roads with culverts
- Low water crossings
- Tidal crossings
- Driveway aprons off public rights-of-way
- Temporary construction entrances
- Culvert sizing and specification
- Temporary bridges
- Crane pad design for pole installation
- Laydown yard stabilization
- Temporary matting



Pickett's GIS team is integral in the access improvement designs by facilitating the sharing of data, providing property information, wetland delineation, land use data, and other geographic data between engineering and field services. The GIS team can also track the progress of the access construction within a web-based GIS portal that can be shared with the entire project team.

Pickett's Field Services team collects field data, including location and condition assessment of existing culverts, monitors and reports changing field conditions due to weather events, performs muck probes to estimate muck excavation volumes and serves as the liaison between engineering and construction. During the construction phase, Pickett's field services team is integral in coordinating and making field decisions, material and construction inspection for conformance to specifications, and providing real time status updates to the GIS team for the GIS portal.

### **Substation Engineering**

Pickett's engineers are adept and experienced in all aspects of substation civil/structural design, electrical layout and arrangement, grounding and lightning protection, and protection and controls. This is augmented by our experience in both 2-D and 3-D substation design, modeling, and detailing.

An integrated substation project delivery approach. We execute our full-range of substation services with an understanding and appreciation of related design disciplines, such as transmission and telecom, and develop our designs with their needs in mind.



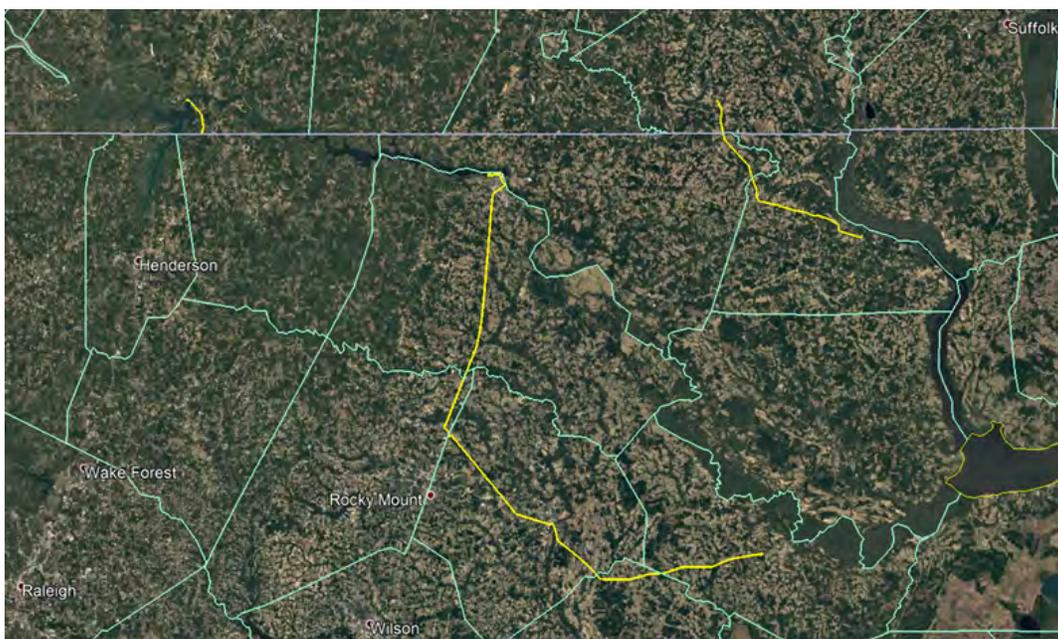
#### 4.5 Project Reference 1

Project Name: Transmission Lines 45, 77, 96, 105, 108, 229, 239, 2056  
Service Provided: Aerial LiDAR and PLS-CADD Modleing  
Customer: Dominion Energy  
Reference Name: Adam Swift  
Reference Phone Number: 804.771.6293  
Email Address: Adam.M.Swift@dominionenergy.com  
Project Duration: 2021, Quarterly  
Team Members: Angela Bailey, PSM; Doug Timothy, PSM; Roshan Pande-Chhetri, PhD

#### Introduction

Dominion wished to coordinate aerial surveys over eight circuits in their service area, totaling 110 miles, for the purposes of engineering design and as-builts. Pickett was tasked with providing LiDAR surveys with weather data and a PLS-CADD model.

Pickett utilized its fixed wing aircraft, Optech Galaxy T2000 LiDAR sensor, and Phase One iXU-RS 1000 digital camera to capture airborne LiDAR and imagery along the existing corridors. Pickett subcontracted with a surveying and mapping firm in the region to set and survey aerial control as well as collect weather data. After post processing, data calibration, and accuracy verification, Pickett feature-coded the data to meet Dominion Energy standards and created an ortho-mosaic image. Planimetric features were also mapped, and all data was delivered in PLS-CADD models for use by the Dominion engineering team. Weather data was provided to assist in the engineering analysis as well.



## 4.6 Project Reference 2

Project Name: Bradfordville West to Jasper 115kV Rebuild  
Service Provided: Aerial LiDAR and PLS-CADD Modeling  
Customer: Duke Energy Florida  
Reference Name: Thomas Camden, PSM  
Reference Phone Number: 407-942-9301  
Email Address: Thomas.Camden@duke-energy.com  
Project Duration: 4/2019 - 6/2019  
Team Members: Angela Bailey, PSM; Doug Timothy, PSM; Roshan Pande-Chhetri, PhD

### Introduction

Duke Energy Florida desired to rebuild approximately 87 miles of transmission line in north Florida, between the Bradfordville West and Jasper Substations. To assist engineers in the design phase of the rebuild, Pickett was tasked with providing a LiDAR survey with weather data and a PLS-CADD model.

Pickett utilized its fixed wing aircraft, Optech Galaxy PRIME LiDAR sensor, and Phase One iXU-RS 1000 digital camera to capture airborne LiDAR and imagery along the existing corridor. Pickett also set and surveyed 36 aerial targets along with more than 150 checkpoints. After post processing, data calibration, and accuracy verification, Pickett feature-coded the data to meet Duke Energy standards and created an ortho-mosaic image. Planimetric features were also mapped, and all data was delivered in a PLS-CADD model for use by the Duke engineering team. Weather data was provided to assist in the engineering analysis as well.





### 4.7 Comprehensive List of Recent LiDAR Projects

The following pages contain a list of LiDAR projects that Pickett has worked on over the past three years.

Project Title	Customer Name	Start Date
Reusens to Roanoke	AEP	Sep-20
Bancroft to Turner	AEP	Feb-20
FPL Raven - Fort White	Dewberry Engineers, Inc. / Florida Power & Light	Feb-19
FPL Raven - Fort White Reroute	Dewberry Engineers, Inc. / Florida Power & Light	Apr-19
FPL Bermont to Charlotte	Dewberry Engineers, Inc. / Florida Power & Light	Aug-19
Dominion Q2 2020	Dominion	May-20
Dominion Q3 2020	Dominion	Jul-20
TL2131 Albemarle Sound Vibration Study	Dominion	Oct-20
Dominion 2021 Q2	Dominion	Mar-21
Dominon 2021 Q2_2	Dominion	Apr-21
Dominion 2021 Q1	Dominon	Nov-20
Silver Springs to Martin West to Archer	Duke Energy Florida	Mar-21
Ft- Meade - West Lake Wales As-Built	Duke Energy Florida, Inc. / Pickett Engineering	Apr-20
South Polk to Parker Branch As Built	Duke Energy Florida, Inc.	Jul-20
West Chapman to Winter Park East – 69kV Line Rebuild	Duke Energy of Florida	Jan-21
West Lake Wales to Lake Wales	Duke Energy of Florida	Mar-19
Cleveland Matthews 230kV Tap	Duke Energy Progress	Oct-20
Porters Neck	Duke Energy Progress	Oct-20
Kenly 115kV Line Tap	Duke Energy Progress	Nov-20
Sutton-Castle Hayne OL-098 LiDAR As-Built	Duke Energy Progress	May-21
Cape Fear to West End 230kV	Duke Energy Progress	Jan-19
Erwin to Fayetteville 115kV	Duke Energy Progress	Jan-19
Fayetteville to Fayettevill Dupont SS 115kV	Duke Energy Progress	Jan-19
Rockingham to West End 230kV West	Duke Energy Progress	Jan-19
Chestnut Hills – Milburnie 115kV Line	Duke Energy Progress	Jan-20
North Florida Resiliency Connection - Phase 2A	ESP Associates, Inc. / NextERA	Jan-19
F8062 Otterbein to Warren	ESP Associates, Inc. / Duke Midwest	Feb-19



# LiDAR Mapping Services Project Proposal



Project Title	Customer Name	Start Date
1682 Miami Fort	ESP Associates, Inc. / Duke Midwest	Feb-19
3885-3886 Port Union to Mulhauser	ESP Associates, Inc. / Duke Midwest	Feb-19
450 Miami Fort to Tanners Creek	ESP Associates, Inc. / Duke Midwest	Feb-19
6864 Rybolt to Mack	ESP Associates, Inc. / Duke Midwest	Feb-19
5967 Beaver-Claryville-Wilder	ESP Associates, Inc. / Duke Midwest	Feb-19
Constance Sub	ESP Associates, Inc. / Duke Midwest	Feb-19
3869 King Mill to Ort Union	ESP Associates, Inc. / Duke Midwest	Feb-19
5667 Todhunter-Shaker Run	ESP Associates, Inc. / Duke Midwest	Feb-19
8561 Warren-Kings Mill	ESP Associates, Inc. / Duke Midwest	Feb-19
Aero-Oakbrook-Woodspoint	ESP Associates, Inc. / Duke Midwest	Feb-19
HTE Rebuild	Maser Consulting / Duke FL	Feb-21
Wilkes Transmission	Maser/ Duke NC	May-20
Five Forks - Face Rock ITN 55869	Power Engineers (BG&E)	Mar-18
Bush River ITN 55945	Power Engineers (BG&E)	Mar-18
Finksburg to Westminster ITN 56381	Power Engineers (BG&E)	Mar-18
Lipins Corner to NAJ ITN 56383	Power Engineers (BG&E)	Mar-18
Conastone - Northwest ITN 61411	Power Engineers (BG&E)	Mar-18
Cedar Park to Waugh Chapel ITN 55798 and 55997	Power Engineers (BG&E)	Mar-18
Conastone - MD Line ITN 61402	Power Engineers (BG&E)	Mar-18
Conastone to Mt Airy Static ITN 61412	Power Engineers (BG&E)	Mar-18
Graceton to Conastone 2323-2324	Power Engineers (BG&E)	Aug-18
Graceton to Bagley 2313-2305	Power Engineers (BG&E)	Aug-18
Bagley to Raphael Road 2313-2305	Power Engineers (BG&E)	Aug-18
Raphael Road to Northeast 2315-2337	Power Engineers (BG&E)	Aug-18
Riverside to Sollers Point	Power Engineers (BG&E)	Sep-18
Five Forks to Windy Edge	Power Engineers (BG&E)	Aug-19
Raphael Road to Northeast As Built	Power Engineers (BG&E)	Dec-20



LiDAR Mapping Services  
Project Proposal



Project Title	Customer Name	Start Date
Bush River ITN 55945 AS BUILT	Power Engineers (BG&E)	Jan-21
Graceton to Conastone AS BUILT	Power Engineers (BG&E)	Feb-21
Graceton-Bagley-Raphael Rd AS BUILT	Power Engineers (BG&E)	Feb-21
Cedar Park to Waugh Chapel As Built	Power Engineers (BG&E)	Mar-21
Raphael Road to Northeast Feature Coding	Power Engineers (BG&E)	Apr-21
Kathleen to Haines City East 230kV Line	Duke FL / Southeastern	Feb-20
Powerline Sub to Holder Sub	Duke FL / Southeastern Surveying and Mapping	Feb-21
Big Bend II Solar	TECO	Mar-21
Big Bend at US 301 (PO #4500288555)	TECO	Mar-21
CR 672 - Rhodine Road (Transmission)	TECO	Mar-21
CR 672 - New Circuits (Hicks) (Distribution) WO 2265687	TECO	Mar-21
Moffitt Pedestrian Bridge	TECO	Oct-20
MFF/Wheeler Solar	TECO	Sep-20

## 5.0 Proximity to JEA



PICKETT®



## 5.1 Project Staff Locations

### A. Local Office

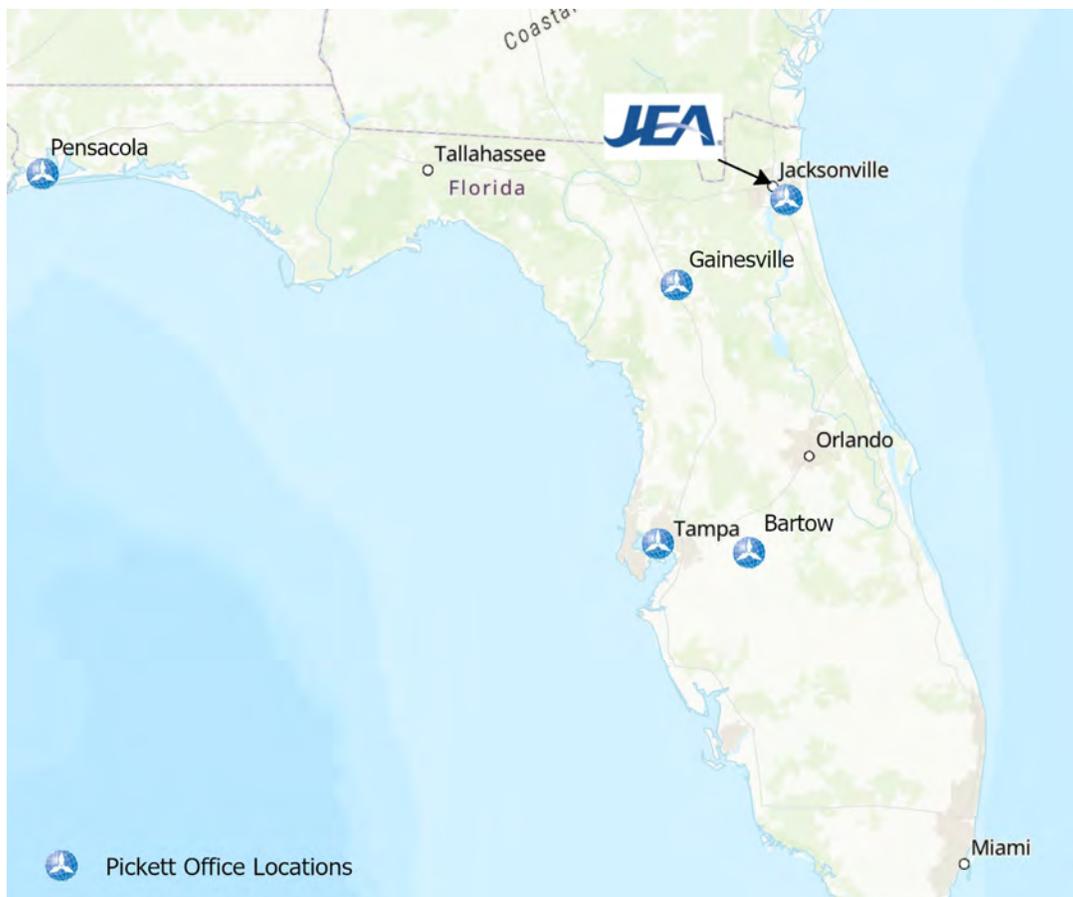
The Pickett team proposes to execute JEA projects out of our Jacksonville office located at 10151 Deerwood Park Blvd. Building 300, Suite 230, Jacksonville, FL 32256. Based on directions obtained from Google Maps, Pickett's Jacksonville office is 11.6 miles from JEA's office. Our Jacksonville office has several key project team members that will support this project.

### B. Project Manager

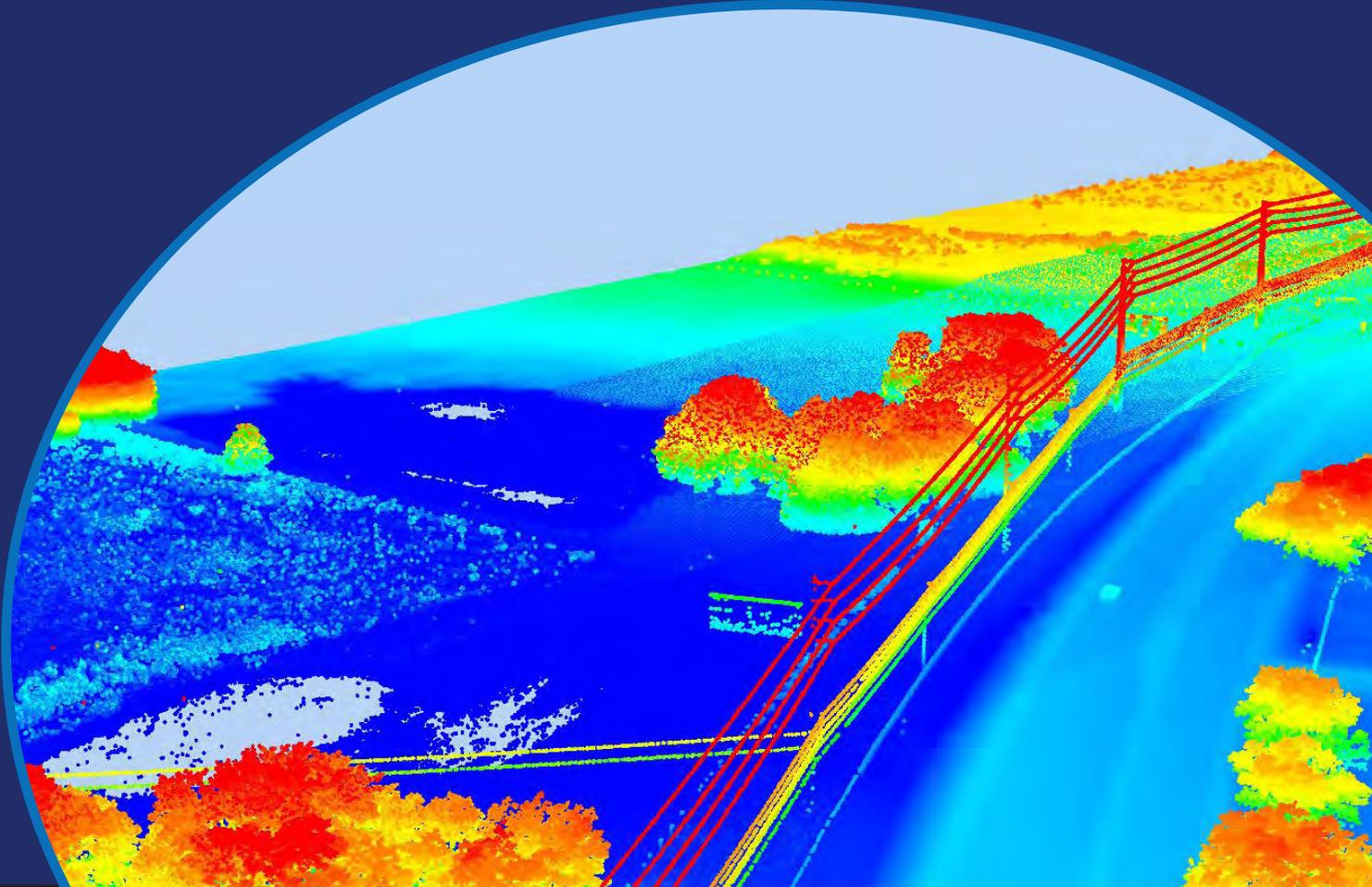
The Project Manager selected for this project will be located in our Tampa office located at 5010 W Nassau Street, Tampa, FL 33606. Based on directions obtained from Google Maps, Pickett's Tampa office is 208 miles from JEA's office.

### C. Aircraft

Our flight crew and aircraft are based at Lakeland Linder International Airport year-round and operate on a 24/7 basis, including holidays, due to the nature of weather conditions. Our LiDAR mapping services are managed by Craig Emrick, PSM out of our Bartow, FL office location. The Bartow location is where Pickett was founded and has operated since 1960.



# Appendix A: Project Schedule



ID	Task Name	Duration	Start	Finish	July			August			September			October			November			December			January			February
					B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B	M	E	B
1	<b>JEA LiDAR</b>	<b>138 days</b>	<b>Fri 7/16/21</b>	<b>Tue 1/25/22</b>																						
2	<b>Project Initiation</b>	<b>11 days</b>	<b>Fri 7/16/21</b>	<b>Fri 7/30/21</b>																						
3	NTP received	1 day	Fri 7/16/21	Fri 7/16/21																						
4	Kickoff meeting	1 day	Mon 7/19/21	Mon 7/19/21																						
5	GIS Portal created	1 day	Mon 7/19/21	Mon 7/19/21																						
6	Survey & Engineering Preparation	10 days	Mon 7/19/21	Fri 7/30/21																						
7	<b>LiDAR Survey</b>	<b>87 days</b>	<b>Tue 7/20/21</b>	<b>Wed 11/17/21</b>																						
8	Survey Control & Weather Stations	20 days	Tue 7/20/21	Mon 8/16/21																						
9	Flight Planning	5 days	Tue 7/20/21	Mon 7/26/21																						
10	Data Acquisition	20 days	Tue 7/27/21	Mon 8/23/21																						
11	Oblique Image Acquisition	20 days	Tue 8/3/21	Mon 8/30/21																						
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13	Feature Coding	60 days	Tue 8/17/21	Mon 11/8/21																						
14	Ortho Creation & DEM	60 days	Tue 8/17/21	Mon 11/8/21																						
15	QA/QC	60 days	Tue 8/24/21	Mon 11/15/21																						
16	Survey report	2 days	Tue 11/16/21	Wed 11/17/21																						
17	<b>Engineering</b>	<b>100 days</b>	<b>Tue 9/7/21</b>	<b>Mon 1/24/22</b>																						
18	Modeling	65 days	Tue 9/7/21	Mon 12/6/21																						
19	Structure & Section Modeling	45 days	Tue 9/7/21	Mon 11/8/21																						
20	Thermal Calculations	45 days	Tue 9/14/21	Mon 11/15/21																						
21	Graphical Sagging	45 days	Tue 9/21/21	Mon 11/22/21																						
22	Clearance Analysis	45 days	Tue 9/28/21	Mon 11/29/21																						
23	Thermal Rating Analysis	45 days	Tue 10/5/21	Mon 12/6/21																						
24	Reporting & Deliverables	20 days	Tue 12/7/21	Mon 1/3/22																						
25	BAK Files	5 days	Tue 12/7/21	Mon 12/13/21																						
26	Clearance & Thermal Reports	5 days	Tue 12/7/21	Mon 12/13/21																						
27	Vegetation Analysis	7 days	Tue 12/14/21	Wed 12/22/21																						
28	POI Identification	5 days	Thu 12/23/21	Wed 12/29/21																						
29	System Rating Table	3 days	Thu 12/30/21	Mon 1/3/22																						
30	Drawings, Maps, and GIS	15 days	Tue 1/4/22	Mon 1/24/22																						
31	Google Earth KMZs	2 days	Tue 1/4/22	Wed 1/5/22																						
32	Route of Line Maps (incl Veg)	10 days	Tue 1/4/22	Mon 1/17/22																						
33	GIS Geodatabase	5 days	Tue 1/18/22	Mon 1/24/22																						
34	Project Closeout	1 day	Tue 1/25/22	Tue 1/25/22																						

**1410335448 Lidar Services for JEA**

Vendor Rankings	Sebastian Chmist	Jason Rinehart	Jonathan Maywood	Σ Rank	Rank	Average
<b>Pickett &amp; Associates</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>85.3</b>
<b>SAM Surveying &amp; Mapping</b>	2	2	2	6	2	82.1
<b>GPI Geospatial LLC</b>	3	3	3	9	3	80.5
<b>Network Mapping Inc</b>	4	4	6	14	4	74.5
<b>McKim &amp; Creed</b>	5	6	4	15	5	72.7
<b>Merrick &amp; Company</b>	6	5	7	18	6	69.2
<b>Campos EPC LLC</b>	7	7	5	19	7	66.9
<b>NV5 Geospatial</b>	8	9	8	25	8	51.4
<b>SMG</b>	9	8	9	26	9	50.8
<b>Linewise Aerial International Inc</b>	10	10	10	30	10	23.6

Sebastian Chmist	Professional Staff Experience (30 Points)	Design Approach and Work Plan (35 Points)	Company Experience (25 Points)	PM Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Network Mapping Inc	29	30	25	0	0	84.0	4
Linewise Aerial International Inc	6.75	12	6	3	0	27.8	10
Pickett & Associates	29	28	20	5	4	86.0	1
NV5 Geospatial	24	19	20	0	0	63.0	8
McKim & Creed	27.5	24	20	5	2	78.5	5
SAM Surveying & Mapping	27.75	30	20	4	4	85.8	2
Merrick & Company	29	28	20	0	0	77.0	6
GPI Geospatial LLC	29	27	20	5	4	85.0	3
SMG	22.25	23	8	3	2	58.3	9
Campos EPC LLC	24.5	18	20	0	4	66.5	7

Jason Rinehart	Professional Staff Experience (30 Points)	Design Approach and Work Plan (35 Points)	Company Experience (25 Points)	PM Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Network Mapping Inc	16.5	27	16	0	0	59.5	4
Linewise Aerial International Inc	3.5	0	4	3	0	10.5	10
Pickett & Associates	25	28	16	5	4	78.0	1
NV5 Geospatial	15.5	14	8	0	0	37.5	9
McKim & Creed	20	17	8	5	2	52.0	6
SAM Surveying & Mapping	18	31	12	4	4	69.0	2
Merrick & Company	15.75	25	16	0	0	56.8	5
GPI Geospatial LLC	21.75	23	14	5	4	67.8	3
SMG	15.25	20	6	3	2	46.3	8
Campos EPC LLC	16.5	12	16	0	4	48.5	7

Jonathan Maywood	Professional Staff Experience (30 Points)	Design Approach and Work Plan (35 Points)	Company Experience (25 Points)	PM Proximity (5 Points)	JSEB (5 Points)	Total	Rank
Network Mapping Inc	25	35	20	0	0	80.0	6
Linewise Aerial International Inc	7.63	2	20	3	0	32.6	10
Pickett & Associates	26	32	25	5	4	92.0	1
NV5 Geospatial	20.75	15	15	3	0	53.8	8
McKim & Creed	24.63	31	25	5	2	87.6	4
SAM Surveying & Mapping	24.5	34	25	4	4	91.5	2
Merrick & Company	20.88	28	25	0	0	73.9	7
GPI Geospatial LLC	25.63	29	25	5	4	88.6	3
SMG	14.88	13	15	3	2	47.9	9
Campos EPC LLC	22.63	34	25	0	4	85.6	5

Overall Averages	Professional Staff Experience (30 Points)	Design Approach and Work Plan (35 Points)	Company Experience (25 Points)	PM Proximity (5 Points)	JSEB (5 Points)	Total
Network Mapping Inc	23.50	30.67	20.33	0.00	0.00	74.5
Linewise Aerial International Inc	5.96	4.67	10.00	3.00	0.00	23.6
Pickett & Associates	26.67	29.33	20.33	5.00	4.00	85.3
NV5 Geospatial	20.08	16.00	14.33	1.00	0.00	51.4
McKim & Creed	24.04	24.00	17.67	5.00	2.00	72.7
SAM Surveying & Mapping	23.42	31.67	19.00	4.00	4.00	82.1
Merrick & Company	21.88	27.00	20.33	0.00	0.00	69.2
GPI Geospatial LLC	25.46	26.33	19.67	5.00	4.00	80.5
SMG	17.46	18.67	9.67	3.00	2.00	50.8
Campos EPC LLC	21.21	21.33	20.33	0.00	4.00	66.9



# Formal Bid and Award System

Award #5 February 17, 2022

**Type of Award Request:** BID (IFB)  
**Request #:** 287  
**Requestor Name:** McDermet, David S.  
**Requestor Phone:** (904) 437-7197  
**Project Title:** Construction Services for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main Project  
**Project Number:** 8006330  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$4,137,958.00

**Scope of Work:**

The scope of work for this project consists of the installation of approximately 9,900 linear feet of a new 24-inch Ductile Iron CL200 Water Main (with Restrained Joints) along City of Jacksonville’s POW-MIA Memorial Parkway (formerly known as New World Ave.) between Waterworks Street and Tea Crates Place and other appurtenances for a complete and operable system. This water main project will provide increased reliability and redundancy during peak times or during a water main break.

**JEA IFB/RFP/State/City/GSA#:** 1410516647  
**Purchasing Agent:** Brown, Darriel  
**Is this a Ratification?:** No

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
T. G. UTILITY COMPANY, INC	Alvaro Rios	arios@tgutility.com	526 Stockton Street, Jacksonville, FL 32204	(904) 394-7203	\$3,697,970.00

**Amount for entire term of Contract/PO:** \$3,697,970.00  
**Award Amount for remainder of this FY:** \$1,834,279.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date:** 05/18/2022  
**End Date:** Project Completion (Estimated: April 2023)  
**JSEB Requirement:** Eight Percent (8%) Requirement

**Comments on JSEB Requirements:**

RZ Service Group (Mechanical Supply) – 7.74%  
D&J Erosion Control Specialists, Inc. (Erosion Control Installer) – 0.26%

**BIDDERS:**

Name	Amount
T.G. UTILITY COMPANY, INC	\$3,697,970.00
DBE UTILITY SERVICES	\$3,815,673.65
CAPPS LAND MANAGEMENT & MATERIALS	\$4,297,275.95
T B LANDMARK CONSTRUCTION, INC	\$4,337,533.53
GARNEY COMPANIES	\$4,598,001.10
CALLAWAY CONTRACTING, INC	\$5,092,570.00

**Background/Recommendations:**

Advertised on 12/17/2021. Eight (8) prime contractors attended the mandatory pre-bid meeting held on 1/11/2022. At Bid opening on 1/25/2022, JEA received six (6) Bids. T. G. Utility Company, Inc. is the lowest responsive and responsible Bidder. A copy of the Bid Form and Workbook are attached as backup.

The award amount of \$3,697,970.00 is approximately 11% lower than the budget estimate and deemed reasonable.

1410468246– Request approval to award a contract to T. G. Utility Company, Inc. for construction services for the for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main Project in the amount of \$3,697,970.00, subject to the availability of lawfully appropriated funds.

**Manager:** DiMeo, Elizabeth A. - Mgr W/WW Project Management  
**Director:** Conner, Sean M. - Dir W/WW Project Engineering & Construction  
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**

Appendix B - Bid Form

1410516647 Construction Services for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main

Submit the Bid electronically as described in section 1.1.3 of the Solicitation.

Company Name: T.G. Utility Company, Inc.

Company's Address: 526 Stockton Street, Jacksonville, FL 32204

License Number: CGC 1515282

Phone Number: 904-394-7203 FAX No: \_\_\_\_\_ Email Address: arios@tgutility.com

<b>BID SECURITY REQUIREMENTS</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Certified Check or Bond (Five Percent (5%))	<b>TERM OF CONTRACT</b> <input type="checkbox"/> One Time Purchase <input type="checkbox"/> Annual Requirements <input checked="" type="checkbox"/> Other, Specify - Project Completion
---	--

<b>SAMPLE REQUIREMENTS</b> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Bid Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<b>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Bond required 100% of Bid Award
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<b>QUANTITIES</b> <input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	<b>INSURANCE REQUIREMENTS</b> Insurance required
--	---

<b>PAYMENT DISCOUNTS</b> <input type="checkbox"/> 1% 20, net 30 <input type="checkbox"/> 2% 10, net 30 <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None Offered	
--	--

<b>ENTER YOUR BID FOR SOLICITATION 1410516647</b>	<b>TOTAL BID PRICE</b>
Total Bid Price for the Project (enter total from cell G49 in the Bid Workbook)	<b>\$ 3,697,970.00</b>

I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda \_\_\_\_\_

Alvaro A Rios 1/25/2022  
 Handwritten Signature of Authorized Officer of Company or Agent Date

1 through 3

Alvaro A Rios / Project Manager  
 Printed Name and Title

**1410516647 Appendix B - Bid Workbook**  
**Construction Services for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main**  
(Only complete the Prices in Yellow Cells)

Company: **T.G. Utility Company, Inc.**

Item No.	*Spec No.	Est. Qty.	Unit	Description	Unit Price	Total Price
1	801.XII.1	9,885	LF	24-inch DI CL 200 Water Main (w/ Restrained Joints)	\$ 202.60	\$2,002,701.00
2	801.XII.3	30	LF	42-inch Steel Casing by Open-Cut (Tea Crates Place)	\$ 599.70	\$17,991.00
3	801.XII.4	3,560	LF	Polywrap	\$ 3.20	\$11,392.00
4	801.XIII.3	6	EA	24-inch Gate Valve and Box	\$ 22,397.60	\$134,385.60
5	801.XIII.3	15	EA	6-inch Gate Valve and Box	\$ 1,431.90	\$21,478.50
6	801.XII.2	5	EA	24-inch 90-degree Bend DI, MJ (w/ meg a lugs)	\$ 4,663.70	\$23,318.50
7	801.XII.2	11	EA	24-inch 45-degree Bend DI, MJ (w/ meg a lugs)	\$ 4,057.10	\$44,628.10
8	801.XII.2	6	EA	24-inch 22.5-degree Bend DI, MJ (w/meg a lugs)	\$ 3,693.50	\$22,161.00
9	801.XII.2	8	EA	24-inch 11.25-degree Bend DI, MJ (w/meg a lugs)	\$ 3,595.60	\$28,764.80
10	801.XII.2	15	EA	24-inch x 6-inch Tee DI, MJ (w/meg a lugs)	\$ 3,982.50	\$59,737.50
11	801.XIII.1	15	EA	Fire Hydrant Assembly	\$ 3,554.40	\$53,316.00
12	801.XIII.1	150	LF	6-inch DI CL 200 - Hydrant Lateral	\$ 38.30	\$5,745.00
13	801.XIII.10	1	EA	1-inch ARV Assembly	\$ 5,744.70	\$5,744.70
14	801.XII.14	10	EA	Temporary sample point	\$ 1,705.10	\$17,051.00
15	801.XII.3	8	EA	End seal 42-inch carrier pipe, pull on	\$ 2,752.60	\$22,020.80
16	801.XII.3	90	EA	Poly spacer 24-inch band, standard runners	\$ 576.40	\$51,876.00
17	801.III.2.4	3,610	LF	Remove existing 4-inch plugged water main	\$ 8.40	\$30,324.00
18	801.III.2.2	3	EA	Cut and cap existing 4-inch plugged water main	\$ 687.90	\$2,063.70
19	801.XIII.4	1	EA	Wet tap to existing 30-inch WM (Waterworks St)	\$ 50,477.20	\$50,477.20
20	801.XIII.7	1	EA	Tie to existing 24-inch WM at Tea Crates Place	\$ 6,517.40	\$6,517.40
21	801.XII.9	1	LS	1 1/2-inch x 24-inch Water Service to Existing FTE Water Meter	\$ 3,626.40	\$3,626.40
22	801.XII.3	55	LF	42-inch Steel Cased Jack and Bore (Tea Crates Place)	\$ 2,395.30	\$131,741.50
23	801.XII.3	150	LF	42-inch Steel Cased Jack and Bore (COJ Logistics Lane)	\$ 1,803.90	\$270,585.00
24	801.VII	22,000	SY	Seeding and sodding	\$ 2.50	\$55,000.00
25	801.XII.1	9,434	LF	Soil erosion and sediment control	\$ 1.00	\$9,434.00
26	801.XII.1	2	EA	Inlet protection	\$ 165.00	\$330.00
27	801.VIII.3	70	SY	Removal of Paving (COJ)	\$ 8.30	\$581.00
28	801.VIII.5	70	SY	Paving Replacement (COJ)	\$ 81.00	\$5,670.00
29	801.IX.2	450	SY	Removal of COJ concrete/asphalt driveway	\$ 3.20	\$1,440.00
30	801.IX.5	450	SY	Installation of COJ concrete/asphalt driveway	\$ 45.60	\$20,520.00
31	801.IX.3	160	LF	Removal of COJ concrete curb and gutter	\$ 4.10	\$656.00
32	801.IX.6	160	LF	Installation of COJ concrete curb and gutter	\$ 33.80	\$5,408.00
33	801.IX.1	1,773	SY	Removal of COJ concrete/asphalt sidewalk	\$ 4.80	\$8,510.40
34	801.IX.4	1,773	SY	Installation of COJ concrete/asphalt sidewalk	\$ 49.40	\$87,586.20
35	801.VIII.8	450	SY	Existing Pavement - Milling and Resurfacing	\$ 32.20	\$14,490.00
36	**2.13.8	1	LS	Allowances (Permitting, Testing, etc.)	\$18,000.00	\$18,000.00
37	***935	1	LS	Allowance (FTE/FDOT Landscaping)	\$10,000.00	\$10,000.00
38	***936	1	LS	Allowance (Existing 42" & 36" Steel Casing Dewatering & Cleaning)	\$20,000.00	\$20,000.00
39	**2.17.5	1	LS	JEA Supplemental Work Authorization (SWA)	\$197,000.00	\$197,000.00

**SUBTOTAL** **\$3,472,272.30**

**1 LS** **GENERAL/SPECIAL CONDITIONS (MAX. 10% OF SUBTOTAL)** **6.5%** **\$225,697.70**

**Total Bid Price (Subtotal plus General Conditions & Special Conditions, inclusive transfer total to Page 1 Appendix B - Bid Form)** **\$3,697,970.00**

\* Unless otherwise noted, this column refers to paragraphs /sections found in the latest edition of the JEA's Water & Wastewater Standards Manual.  
\*\* Reference found in this solicitation.  
\*\*\* Reference found in the Technical Specifications

JSEB Overview	
Base Bid Total (Less GCs and Allowances)	<b>\$3,227,272.30</b>
JSEB Requirement %	<b>8%</b>
JSEB Requirement \$	<b>\$258,181.78</b>

Appendix B - Bid Form

1410516647 Construction Services for the New World Avenue – Waterworks to Chaffee Road – 24-inch Water Main

**Subcontractor Form**

JEA Solicitation Number 1410516647 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

The undersigned understands that failure to submit the required Subcontractor information on this form will result in bid rejection, and the Company agrees to employ the Subcontractors specified below: (Use additional sheets as necessary)

Note: This list of Subcontractors shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of JEA.

Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contract Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount
Material Supplier Pipe	Ferguson Waterworks	Ryan Pugh 904-268-2551		\$1,131,000.00
Material Supplier Fittings	RZ Service Group	Wali Murphy 904-512-5772		\$112,000.00
Material Supplier Valves	RZ Service Group	Wali Murphy 904-512-5772		\$145,000.00
Tapping Sleeve and Valve Installation	Rangeline Tapping Services, Inc.	Mike Mainelli 800-346-5971		\$2,950.00
Jack and Bore	Downtown Underground, Inc.	Jimmy Baker 352-347-8021		\$255,000.00
Surveying	Cody's Professional Surveying and Mapping, Inc.	Roy Flowers 904-696-8840		\$30,000.00
Grassing/Landscaping	Smith and Son's Grassing	Lloyd Smith 386-755-4328		\$14,000.00
Maintenance of Traffic	ACME Barriacdes	Shawn Musgrave 904-781-1950		\$53,000.00
Paving	Kudzue Paving	Randy Maloy 904-388-7838		\$18,000.00
Quality Testing	ECS Florida, LLC	Mike Gruber 904-880-0960		\$16,000.00



# Formal Bid and Award System

Award #6 February 17, 2022

**Type of Award Request:** CONTRACT AMENDMENT  
**Requestor Name:** Kilgo Veasey, Nancy A. – Dir Special Projects  
**Requestor Phone:** (904) 509-0521  
**Project Title:** JEA Downtown Campus Owner's Representative  
**Project Number:** 8006820  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** \$156,224.00

**Scope of Work:**

The purpose of the original Invitation to Negotiate (the "ITN") was to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work"). The Work included, but is not limited to, the following tasks:

- Reviewing future site for feasibility for construction, business needs, and future growth plans;
- Assist with the solicitation process for JEA to select a Construction Manager and a Design Architect using a Construction Manager at Risk (CMAR) delivery method;
- Assist JEA in establishing project goals in terms of scope, budget and schedule; and
- Act as JEA's Owner's Representative and Project Manager through the completion of the project

The Work may also include representing and presenting on behalf of JEA to the JEA Board of Directors and Jacksonville City Council.

**JEA IFB/RFP/State/City/GSA#:** 123-17  
**Purchasing Agent:** Selders, Elaine  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	email	Address	Phone	Amount
CBRE, INC.	Robert Shaw	Robert.Shaw2@cbre.com	225 Water Street, Suite 110 Jacksonville FL 32202	(904) 634-1200	\$156,224.00

**Amount of Original Award:** \$568,119.00  
**Date of Original Award:** 10/05/2017  
**Change Order Amount:** \$156,224.00

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
169207	\$64,500.00	11/16/2017
169207	\$78,000.00	06/06/2019
169207	\$238,580.00	10/08/2020
169207	\$95,100.00	04/22/2021
169207	\$35,787.32	12/01/2021

**New Not-To-Exceed Amount:** \$1,236,310.32  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 10/06/2017  
**End Date (mm/dd/yyyy):** Project Completion (Expected move in - September 2022, estimated project close - December 2022)  
**JSEB Requirement:** N/A – Optional

**Background/Recommendations:**

Originally awarded and approved by the Awards Committee on 10/05/2017 to CBRE Inc. as an Owner's Representative (Rep) responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project, in the amount of \$568,119.00. Previous change orders were approved on 11/16/2017 adding Phase I Workplace Strategy services in the amount of \$64,500.00, on 06/06/2019 adding Change Management services in the amount of \$78,000.00, on 10/08/2020 adding funds to continue the Owner's Rep services in the amount of \$238,580.00 and on 04/22/2021 for continued change management and hybrid work model advisory services. An administrative increase in the amount of \$35,787.32 was completed on 12/01/2021 for owner's representative services for a total not-to-exceed amount of \$1,080,086.32. The previous awards are attached as back-up.

The original services were competitively procured for a new headquarters solution. The project approach evolved over time since the original engagement and has been extended through a longer time period. This contract amendment is intended to cover continued Owner's Rep support through project move-in, expected in September of 2022 and project close out, expected at the end of the calendar year 2022. CBRE has two staff members working on the JEA project, Robert Shaw and Eric Lee. They are managing time and effort appropriately. Much of the effort included in change order 3 covered reviewing and negotiating project changes on both core and shell (base building and garage work) and in coordinating with JEA's tenant improvement design firm and between all the parties working on the project. JEA delayed its tenant improvement design and plan development to incorporate the reduced project size and incorporate the move beyond a hybrid work model to the current workplace model.

JEA has benefitted from CBRE's representation on timing, progress and schedule interpretation as the project approaches core and shell completion including contract review and interpretation. As JEA transitions to the tenant improvement build out, JEA continues to benefit from the detailed oversight, coordination and tracking on all aspects of the project. CBRE reviewed and led the effort to negotiate guaranteed maximum price (GMP) for the tenant improvement construction contract with Ryan Companies and continues to review and coordinate buy out for the disciplines included in the GMP. The overall scope, complexity and extended duration support the request for additional effort. The hourly rates have remained the same throughout the duration of the contract. The estimated hours and rates have been attached as back-up.

Request approval to award a contract amendment to CBRE Inc. in the amount of \$156,224.00, for a new not-to-exceed amount of \$1,236,310.32, subject to the availability of lawfully appropriated funds.

**Director:** Veasey, Nancy A. – Dir Special Projects  
**Chief:** McElroy, Alan D. – VP Supply Chain & Operations Support

**APPROVALS:**

**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**

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## Formal Bid and Award System

Award #2 April 22, 2021

**Type of Award Request:** CONTRACT AMENDMENT  
**Requestor Name:** Kilgo Veasey, Nancy A. – Dir Special Projects  
**Requestor Phone:** (904) 509-0521  
**Project Title:** JEA Downtown Campus Owner's Representative  
**Project Number:** 8005628  
**Project Location:** JEA  
**Funds:** O&M  
**Award Estimate:** N/A

### Scope of Work:

The purpose of the original Invitation to Negotiate (the "ITN") was to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work"). The Work included, but is not limited to, the following tasks:

- Reviewing future site for feasibility for construction, business needs, and future growth plans;
- Assist with the solicitation process for JEA to select a Construction Manager and a Design Architect using a Construction Manager at Risk (CMAR) delivery method;
- Assist JEA in establishing project goals in terms of scope, budget and schedule; and
- Act as JEA's Owner's Representative and Project Manager through the completion of the project

The Work may also include representing and presenting on behalf of JEA to the JEA Board of Directors and Jacksonville City Council.

**JEA IFB/RFP/State/City/GSA#:** 123-17  
**Purchasing Agent:** Selders, Elaine  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CBRE, INC.	Stewart Green	stewart.green@cbre.com	225 Water Street, Suite 110 Jacksonville FL 32202	(904) 634-1200	\$95,100.00

**Amount of Original Award:** \$568,119.00  
**Date of Original Award:** 10/05/2017  
**Change Order Amount:** \$95,100.00

### List of Previous Change Order/Amendments:

CPA #	Amount	Date
169207	\$64,500.00	11/16/2017
169207	\$78,000.00	06/06/2019
169207	\$238,580.00	10/08/2020

**New Not-To-Exceed Amount:** \$1,044,299.00

**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 10/06/2017  
**End Date (mm/dd/yyyy):** Project Completion  
**JSEB Requirement:** N/A – Optional

**Background/Recommendations:**

Originally awarded and approved by the Awards Committee on 10/05/2017 to CBRE Inc. as an Owner's Representative (Rep) responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project, in the amount of \$568,119.00. Previous change orders were approved on 11/16/2017 adding Phase I Workplace Strategy services in the amount of \$64,500.00, on 06/06/2019 adding Change Management services in the amount of \$78,000.00 and on 10/08/2020 adding funds to continue the Owner's Rep services in the amount of \$238,580.00. The previous awards are attached as back up.

JEA engaged CBRE Workplace Strategy to support change management efforts in June of 2019. The original scope included specific phased tasks for change management and general consulting for a not to exceed amount of \$20,000 to be billed at \$200 per hour. JEA intends to have CBRE Workplace Strategy continue to assist in research and recommendations relating to a shift from a traditional workplace model to a hybrid workplace model. Additional survey and programming recommendations were developed on JEA's behalf, utilizing a portion of the general consulting dollars previously approved. The shift to a hybrid model will also modify the approach to support JEA's change management support effort including a development series entitled Making the Hybrid Workplace Work for You.

This request is for a contract amendment to CBRE in the amount of \$95,100.00 for continued change management and hybrid work model advisory services. CBRE Workplace will provide additional change management programming advisory services in the amount of \$37,500.00 and create a development series for JEA in the amount of \$57,600.00. CBRE will continue to invoice JEA on a monthly basis, based on the hours devoted to the project. The rates remain the same for these services. The estimated hours and rates have been attached as back up.

Request approval to award a contract amendment to CBRE Inc. in the amount of \$95,100.00, for a new not-to-exceed amount of \$1,044,299.00, subject to the availability of lawfully appropriated funds.

**Director:** Kilgo, Nancy A. – Dir Special Projects  
**Chief:** McElroy, Alan D. – VP Supply Chain & Operations Support

**APPROVALS:**

<b>Chairman, Awards Committee</b>	<b>Date</b>
	04/22/2021

<b>Budget Representative</b>	<b>Date</b>
	4/23/21



## Formal Bid and Award System

Award #5    October 8, 2020

**Type of Award Request:** CONTRACT  
AMENDMENT

**Requestor Name:** Kilgo Veasey, Nancy A. –  
Dir Special Projects

**Requestor Phone:** (904) 665-6439

**Project Title:** JEA Downtown Campus  
Owner's Representative

**Project Number:** 8005628

**Project Location:** JEA

**Funds:** O&M

**Award Estimate:** N/A

### Scope of Work:

The purpose of the original Invitation to Negotiate (the "ITN") was to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work"). The Work included, but is not limited to, the following tasks:

- Reviewing future site for feasibility for construction, business needs, and future growth plans;
- Assist with the solicitation process for JEA to select a Construction Manager and a Design Architect using a Construction Manager at Risk (CMAR) delivery method;
- Assist JEA in establishing project goals in terms of scope, budget and schedule; and
- Act as JEA's Owner's Representative and Project Manager through the completion of the project

The Work may also include representing and presenting on behalf of JEA to the JEA Board of Directors and Jacksonville City Council.

**JEA IFB/RFP/State/City/GSA#:** 123-17

**Purchasing Agent:** Selders, Elaine

**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CBRE, INC.	Stewart Green	stewart.green@cbre.com	225 Water Street, Suite 110 Jacksonville FL 32202	(904) 634-1200	\$238,580.00

**Amount of Original Award:** \$568,119.00

**Date of Original Award:** 10/05/2017

**Change Order Amount:** \$238,580.00

### List of Previous Change Order/Amendments:

CPA #	Amount	Date
169207	\$64,500.00	11/16/2017

169207	\$78,000.00	06/06/2019
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**New Not-To-Exceed Amount:** \$949,199.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 10/06/2017  
**End Date (mm/dd/yyyy):** Project Completion  
**JSEB Requirement:** N/A – Optional

**Background/Recommendations:**

Originally awarded and approved by the Awards Committee on 10/05/2017 to CBRE Inc. as an Owner's Representative responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project, in the amount of \$568,119.00. Previous change orders were approved on 11/16/2017 adding Phase I Workplace Strategy services in the amount of \$64,500.00 and on 06/06/2019 adding Change Management services in the amount of \$78,000.00. The previous award is attached as back up.

The original award October 5, 2017 anticipated that JEA would develop the HQ project through a self-build approach. The process for corporate headquarters was modified by JEA from the original approach in mid-2018 to include a competitive solicitation for building solutions. CBRE assisted JEA throughout the solicitation process and project planning continued under a modified approach including a build to suit lease solution being negotiated with the top ranked firm selected in April 2019. Project planning and changes continued to May 2020 when the project scope was reduced and the JEA Board approved the final scope and limits in June 2020. The final scope included separating out the Emergency Operations Center and related support functions including personnel into a second hardened facility project, given the working name HQ2. The initial CBRE Owner's Rep engagement anticipated a project completion in April 2020. Given the multiple delays and shifts in project approach and scope, a Contract Amendment is being requested to have CBRE carry the Owner's Rep work through expected project completion on the modified scope to maintain project continuity, currently anticipated as June 2022. The initially proposed Owner's Representative has consistently advised JEA throughout the course of the project approach and shifts and has knowledge of the full range of reviews, changes and the current building design details and project to be developed by Ryan Companies. The same project Owner's Representative originally proposed will continue to be assigned to the project. He may also be supported by additional CBRE staff to be pre-approved by JEA project leads.

This request is for a contract amendment to CBRE in the amount of \$238,580.00 for Owner's Representative professional services to provide continuity of project management throughout the project until anticipated completion in June 2022. CBRE will continue to invoice JEA on a monthly basis, based on the hours devoted to the project. The rates remain the same for these services. The estimated hours and rates have been attached as back up.

Request approval to award a contract amendment to CBRE Inc. in the amount of \$238,580.00, for a new not-to-exceed amount of \$949,199.00, subject to the availability of lawfully appropriated funds.

**Director:** Kilgo, Nancy A. – Dir Government Affairs  
**Chief:** McElroy, Alan D. – Interim Chief Supply Chain Officer

**APPROVALS:**

**Chairman, Awards Committee**

**Date**

*[Handwritten Signature]*

10/08/2020

**Budget Representative**

**Date**

*[Handwritten Signature]*

10/8/2020



## Formal Bid and Award System

CPA 169207

Award #8

June 6, 2019

**Type of Award Request:** CHANGE ORDER  
**Requestor Name:** Kilgo, Nancy A. – Dir Special Projects  
**Requestor Phone:** (904) 665-6439  
**Project Title:** JEA Downtown Campus Owner's Representative  
**Project Number:** 8005628  
**Project Location:** JEA  
**Funds:** O&M  
**Budget Estimate:** N/A

### Scope of Work:

The purpose of the original Invitation to Negotiate (the "ITN") was to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work"). The Work included, but is not limited to, the following tasks:

- Reviewing future site for feasibility for construction, business needs, and future growth plans;
- Assist with the solicitation process for JEA to select a Construction Manager and a Design Architect using a Construction Manager at Risk (CMAR) delivery method;
- Assist JEA in establishing project goals in terms of scope, budget and schedule; and
- Act as JEA's Owner's Representative and Project Manager through the completion of the project

The Work may also include representing and presenting on behalf of JEA to the JEA Board of Directors and Jacksonville City Council.

The process for corporate headquarters was modified by JEA from the original approach to include a competitive solicitation for building solutions. CBRE assisted JEA throughout the solicitation process and project planning continues under a modified approach including a build to suit lease solution being negotiated with the top ranked firm.

This award impacts the following JEA Measures of Value:

- Customer Value – Enhances opportunity for customer service and engagement while being cognizant of stewardship of customer dollars.
- Community Value – Provides opportunity to enhance employee safety and productivity and plan for functional, effective and efficient workspace for employees; and supports downtown economic development.
- Environmental Value – Project will reduce JEA's office space footprint and be built to LEED design standards helping reduce consumption of resources for on-going operations.
- Financial Value – Provides for business continuity planning, competitive market pricing, reduction in on-going operations and maintenance expenses, and foregoing capital outlay for existing aging building repairs and upgrades.

**JEA IFB/RFP/State/City/GSA#:** 123-17  
**Purchasing Agent:** Selders, Elaine  
**Is this a Ratification?:** NO  
**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
CBRE, INC	Stewart Green	stewart.green@cbre.com	225 Water Street, Suite 110 Jacksonville FL 32202	(904) 634-1200	\$78,000.00

**Amount of Original Award:** \$568,119.00

**Date of Original Award:** 10/05/2017

**Change Order Amount:** \$78,000.00

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
169207	\$64,500.00	11/16/2017

**New Not-To-Exceed Amount:** \$710,619.00

**Length of Contract/PO Term:** Project Completion

**Begin Date (mm/dd/yyyy):** 10/06/2017

**End Date (mm/dd/yyyy):** Project Completion

**JSEB Requirement:** N/A – Optional

**Background/Recommendations:**

Originally awarded and approved by the Awards Committee on 10/05/2017 to CBRE Inc. as an Owner's Representative responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project, in the amount of \$568,119.00. A previous change order was approved on 11/16/2017 adding Phase I Workplace Strategy services in the amount of \$64,500.00. The original award and the previous change order are attached as back-up.

This request is for a change order to CBRE for \$72,000.00 for Change Management professional services, not included in the original scope, and \$6,000.00 travel expense for change management services for a total of \$78,000.00. Change Management is a key part of headquarters planning to inform the workforce over the project duration and to prepare for eventual move and occupancy of new workspace. The services are intended to support JEA's Change Management team, communications and project management teams during project development and transition to the new work environment. CBRE Workplace will assist in change strategy development, training, communications and support materials. Services include initial project meeting, change strategy workshop, communications & engagement plan, change ambassador training, support for change management team and guide tool for new space. CBRE will invoice JEA on a monthly basis, based on the scope of work completed and any additional support consulting would be billed on an hourly basis. CBRE Workplace assisted in Phase I Workplace Strategy and has a familiarity with our existing space and JEA's project. JEA will be issuing a separate Request for Proposals for additional programming and workplace planning as a separate work scope.

Request approval to award a change order to CBRE Inc. in the amount of \$78,000.00, for a new not-to-exceed amount of \$710,619.00, subject to the availability of lawfully appropriated funds.

**Director:** Kilgo, Nancy A. – Dir Special Projects

**VP:** McCarthy, John P. - VP & Chief Supply Chain Officer

**APPROVALS:**

*[Signature]* 6/6/19

**Chairman, Awards Committee**

**Date**

*Kristina Quate* 6/6/2019

**Manager, Operating Budgets**

**Date**



# Formal Bid and Award System

Award #8 November 16, 2017

**Type of Award Request:** CHANGE ORDER  
**Requestor Name:** Kilgo, Nancy A. – Dir Government Affairs  
**Requestor Phone:** (904) 665-6439  
**Project Title:** JEA Downtown Campus Owner's Representative  
**Project Number:** 8004400  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** N/A

**Scope of Work:**

The purpose of this Invitation to Negotiate (the "ITN") is to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work"). The Work includes, but is not limited to, the following tasks:

- Reviewing future site for feasibility for construction, business needs, and future growth plans;
- Assist with the solicitation process for JEA to select a Construction Manager and a Design Architect using a Construction Manager at Risk (CMAR) delivery method;
- Assist JEA in establishing project goals in terms of scope, budget and schedule; and
- Act as JEA's Owner's Representative and Project Manager through the completion of the project

The Work may also include representing and presenting on behalf of JEA to the JEA Board of Directors and Jacksonville City Council.

**JEA IFB/RFP/State/City/GSA#:** 123-17  
**Purchasing Agent:** Woyak, Nathan J  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
CBRE, INC	Stewart Green	stewart.green@cbre.com	225 Water Street, Suite 110 Jacksonville FL 32202	(904) 634-1200	\$64,500.00

**Amount of Original Award:** \$568,119.00  
**Date of Original Award:** 10/05/2017  
**Change Order Amount:** \$64,500.00  
**New Not-To-Exceed Amount:** \$632,619.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 10/06/2017  
**End Date (mm/dd/yyyy):** Project Completion  
**JSEB Requirement:** N/A – Optional

**Background/Recommendations:**

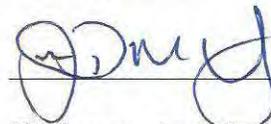
Originally awarded and approved by the Awards Committee on 10/05/2017 to CBRE Inc. as an Owner's Representative responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project, in the amount of \$568,119.00. The original award is attached as back-up.

This request is for a change order to CBRE for \$58,500.00 for additional professional services for a workplace strategy engagement and \$6,000 for travel and other expenses, for a total of up to \$64,500.00. This will include project mobilization, research and analysis, and strategy and development. This may also include CBRE conducting interviews with JEA senior leaders to understand management's key business priorities and challenges, and conducting a knowledge transfer workshop for the design team or selected architect to onboard them to the workplace strategy and program selected by JEA. CBRE's handoff will include an overview of their research and scenario presentation, plus a space assessment to develop the base case building program. CBRE will invoice JEA on a monthly basis, based on the percentage scope of work completed.

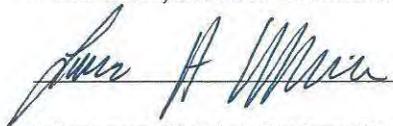
Request approval to award a change order to CBRE Inc. for additional professional services and travel in the amount of \$64,500.00, for a new not-to-exceed amount of \$632,619.00, subject to the availability of lawfully appropriated funds.

**Director:** McCarthy, John P. – Sr Dir Supply Chain Management and Operations Support  
**VP:** Dykes, Melissa H. - Chief Financial Officer

**APPROVALS:**

  
\_\_\_\_\_  
**Chairman, Awards Committee** **Date**

11-16-17

  
\_\_\_\_\_  
**Manager, Capital Budget Planning** **Date**

11/16/17



CPA 149207

Approved by the JEA Awards Committee

Date 10/5/17 # 8

### Formal Bid and Award System

Award #8 October 5, 2017

**Type of Award Request:** INVITATION TO NEGOTIATE (ITN)  
**Request #:** 3974  
**Requestor Name:** Woyak, Nathan J.  
**Requestor Phone:** (904) 665-7985  
**Project Title:** JEA Downtown Campus Owner's Representative  
**Project Number:** 8004400  
**Project Location:** JEA  
**Funds:** Capital  
**Award Estimate:** N/A  
**Scope of Work:**

The purpose of this Invitation to Negotiate (the "ITN") is to select an Owner's Representative who is primarily responsible for advocating in favor of JEA's best interest by overseeing the design and construction of the JEA Headquarters Office Facility project (the "Work"). The Work includes, but is not limited to, the following tasks:

- Reviewing future site for feasibility for construction, business needs, and future growth plans;
- Assist with the solicitation process for JEA to select a Construction Manager and a Design Architect using a Construction Manager at Risk (CMAR) delivery method;
- Assist JEA in establishing project goals in terms of scope, budget and schedule; and
- Act as JEA's Owner's Representative and Project Manager through the completion of the project

The Work may also include representing and presenting on behalf of JEA to the JEA Board of Directors and Jacksonville City Council.

**JEA IFB/RFP/State/City/GSA#:** 123-17  
**Purchasing Agent:** Woyak, Nathan J  
**Is this a Ratification?:** NO

#### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
CBRE, INC	Stewart Green	stewart.green@cbre.com	225 Water Street, Suite 110 Jacksonville FL 32202	(904) 634-1200	\$568,119.00

**Amount for entire term of Contract/PO:** \$568,119.00  
**Award Amount for remainder of this FY:** \$280,763.00  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 10/06/2017  
**End Date (mm/dd/yyyy):** Project Completion  
**JSEB Requirement:** N/A- Optional

**BIDDERS:**

Name	Amount	Rank	Score
CBRE, INC.	\$568,119.00	1	118.10
JLL	N/A	2	115.33
MICHAEL BAKER INTERNATIONAL	N/A	3	73.14
CMS GROUP	N/A	4	69.98

**Background/Recommendations:**

Advertised 07/14/2017. Nineteen (19) companies attended the mandatory pre-response meeting held on 03/28/2017. At Response opening on 07/27/2017, JEA received four (4) Responses. The Responses were evaluated on price (Owner's Representative hourly rate), professional staff, design approach and workplan, company experience, and Owner's Representative proximity to JEA. Two (2) companies were shortlisted, CBRE Inc. and JLL, and presentation meetings were held on 8/25/2017. The original score was worth 100 points, and an additional thirty-five (35) points were scored during the presentations. JEA did not request a Best and Final Offer (BAFO) for the Owner's Representative hourly rate, as the rate was deemed reasonable and JEA subsequently negotiated the total scope and fee based on this rate with CBRE. The Response form and evaluation matrix is attached as back-up.

The JEA Tower and Customer Center were constructed in 1962 as a joint development for the Universal Marion office building (Tower), and Ivey's department store (Customer Center). These two (2) buildings are joined by two levels of shared underground spaces consisting of mechanical rooms and parking decks. JEA purchased the property in 1989 from the Charter Oil Company. JEA's Headquarters, bound by Church, Laura, Ashley and Main Streets, covers nearly one (1) city blocks. The JEA Headquarters consists of three buildings: The Customer Center, Tower, and JEA's Adair Garage, all centered on a Plaza with underground parking.

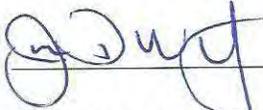
Aging and decay in the core building infrastructure systems – plumbing, electrical, foundation settlement, elevators, etc. – have left JEA with a significant investment needed in the downtown campus if JEA is going to continue to occupy its current space. Given that the current space is not ideal on several fronts, this has led to JEA's exploration of alternatives for its downtown campus to ensure the most responsible investment of our customers' money. An alternative site has been identified for construction of JEA's Downtown Campus, and an Owner's Representative with experience in commercial construction projects is necessary to oversee the project.

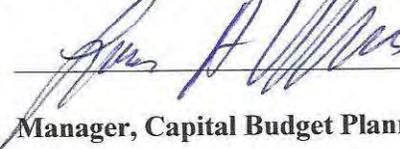
The CBRE pricing structure consists of six (6) components which include pre-planning, procurement of the architect and CMAR, planning, approvals, construction, and closeout. The Owner's Representative rate of \$162.00 per hour was the second lowest rate provided by the responding companies. The total expected hours for the project are 3510. A copy of the negotiated scope and fees is attached.

123-17 – Request approval to award to CBRE, Inc. for the JEA Headquarters Office Facility Owner's Representative in the amount of \$568,119.00, subject to the availability of lawfully appropriated funds.

**Director:** McCarthy, John P. - Dir, Supply Chain Management  
**VP:** Dykes, Melissa H. - Chief Financial Officer

**APPROVALS:**

  
\_\_\_\_\_ 10-5-17  
**Chairman, Awards Committee** **Date**

  
\_\_\_\_\_ 10/5/17  
**Manager, Capital Budget Planning** **Date**

### CBRE Owner's Representation for JEA

Project Forecast 2/22 to 12/22

HQ1 C&S & T.I.



Projected	Hours	2/28/2022	3/31/2021	4/30/2022	5/31/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022	10/31/2022	11/30/2022	12/31/2022	Year End
<b>Eric Lee</b>	Projected	20	20	20	20	20	20	30	30	24	24	20	<b>248</b>
		\$3,240	\$3,240	\$3,240	\$3,240	\$3,240	\$3,240	\$4,860	\$4,860	\$3,888	\$3,888	\$3,240	<b>\$40,176</b>
<b>Robert Shaw</b>	Projected	60	60	60	60	60	60	80	80	72	72	40	<b>704</b>
		\$9,720	\$9,720	\$9,720	\$9,720	\$9,720	\$9,720	\$12,960	\$12,960	\$11,664	\$11,664	\$6,480	<b>\$114,048</b>
<b>Kahua/Expenses</b>			\$400		\$400		\$400		\$400		\$400		<b>\$2,000</b>
<b>Monthly</b>	Actual	<b>\$12,960</b>	<b>\$13,360</b>	<b>\$12,960</b>	<b>\$13,360</b>	<b>\$12,960</b>	<b>\$13,360</b>	<b>\$17,820</b>	<b>\$18,220</b>	<b>\$15,552</b>	<b>\$15,952</b>	<b>\$9,720</b>	<b>\$156,224</b>

Hourly Rate **\$162**

FY 22      \$115,000      FY23      \$41,224



## Formal Bid and Award System

Award #7 February 17, 2021

**Type of Award Request:** CONTRACT AMENDMENT  
**Request #:** 18  
**Requestor Name:** Keeler, Jessica  
**Requestor Phone:** (904) 665-6403  
**Project Title:** Three-Phase, Single Phase Padmount, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Inventory Blanket Account  
**Budget Estimate:** \$28,429,846.24

**Scope of Work:**

The purpose of this contract amendment is to modify the original Award amounts from the June 10, 2021 Award Committee. The purpose of the original Invitation to Negotiate (ITN) was to solicit pricing for Three-Phase, Single Phase Padmount, Pole Mount and Miscellaneous Transformers for JEA Inventory Stock; these collectively consist of ninety-six (96) JEA specific transformers. The primary use of these items is to enable voltage changes from one to another within our network system, with the items being utilized by the Electric department. Our current inventory balance for the Single Phase Padmount Transformers found in this amendment is \$852,452.36. As it relates to item spend, the last twelve (12) months totaled \$6,904,056.00.

**JEA IFB/RFP/State/City/GSA#:** 011-21

**Purchasing Agent:** Pearson, Kenny R.

**Is this a Ratification?:** No

**RECOMMENDED AWARDEES:**

Name	Vendor Contact	Email	Address	Phone	Original Award Amount	Change Amount	Total Contract Amount
STUART C IRBY CO	Erich Ewoldt	<a href="mailto:ewoldt@irby.com">ewoldt@irby.com</a>	38 Skyline Drive, Lake Mary, FL 32746	407-415-6268	\$7,272,266.18	\$0.00	\$7,272,266.18
GRESKO SUPPLY	Chris Therien	<a href="mailto:Christopher.Therien@gresko.com">Christopher.Therien@gresko.com</a>	6421 County Road 219, Wildwood, FL 34785	352-446-7536	\$6,303,776.85	(\$6,303,776.85)	\$0.00
WEG TRANSFORMERS USA	Raymundo Chapa	<a href="mailto:rchapa@weg.net">rchapa@weg.net</a>	One Pauwels Drive, Washington, MO 63090	678-699-7840	\$430,856.00	\$0.00	\$430,856.00
TRI-STATE UTILITY PRODUCTS	Jim Richards	<a href="mailto:jrichards@tsup.com">jrichards@tsup.com</a>	160 Garrett Drive, Havana, FL 32333	850-539-8088	\$4,364,050.17	\$18,345,513.79	\$22,709,563.96
WESCO DISTRIBUTION INC.	Ashely Cirlot	<a href="mailto:acirlot@wescodist.com">acirlot@wescodist.com</a>	5971 Pershing Ave, Orlando, FL 32920	407-434-4025	\$15,747,336.52	\$0.00	\$15,747,336.52

**Amount of Original Award:** \$30,815,003.75

**Date of Original Award:** 05/06/2021  
**Change Order Amount:** \$12,041,736.94

**Previous Amendment:**

Date	Original Amount	Change
06/10/2021	\$30,815,003.75	\$3,303,281.97

**New Not-To-Exceed Amount:** \$46,160,022.66  
**Length of Contract/PO Term:** Three (3) Year w/ Two (2) – One (1) Yr. Renewals  
**Begin Date (mm/dd/yyyy):** 05/15/2021  
**End Date (mm/dd/yyyy):** 05/14/2024  
**Renewal Options:** Two (2) – One (1) Year Renewals  
**JSEB Requirement:** N/A - Optional

**Background/Recommendation:**

Originally bid and approved by the Awards Committee on 05/06/2021 for \$30,815,003.75. On 06/10/2021, a change order to increase in the amount of \$3,303,281.97 brought the new not to exceed amount to \$34,118,285.72. Previous award are attached as backup.

JEA is requesting this contract amendment based on three primary reasons. The first being a transfer of work and funds from Gresco Supply to Tri-State Utility Products due to Gresco Supply not signing the contract to perform the work. The second request is for an additional increase in funds to Tri-State Utility Products beyond the original planned work due to increased material costs. The third request is for an additional increase in funds to Tri-State Utility Products beyond the original planned work due to larger than planned volumes.

The amount being transferred from Gresco to Tri-State is \$6,303,776.85 because after Contract Amendment One (1), Gresco Supply felt like they could not manage the volume required by JEA due to the supply chain risks, and refused to sign their contract after the initial change order. After JEA then approached Tri-State Utility Products, who part of Contract Amendment One (1) had been awarded 40% of the Single Phase Padmounted Transformer portion of this contract, to see if they could supply 100% of JEA's needs. Contract Amendment One (1), The financial impact of transitioning Gresco's 60% of the award to TriState Utility Products is \$242,298.41. In addition to transferring work, JEA requested that Tri-State Utility Products hold our general and storm stocking requirements which had been requested of the primary vendor. Over the period of the last six (6) months Tri-State Utility Products and JEA has worked to resolve the increase in volume, stocking requirements, and price adjustment methodologies with the manufacturer Howard Industries. JEA will move forward with awarding Tri-State 100% of the all items listed on Single Phase Padmount Transformers spend.

JEA has also seen a dramatic increase in pricing of units since the original award driven by commodity price increases in Copper, Steel, Electrical Steel or Silicon Steel, labor, and transportation. JEA continues to see its costs increase due to:

- An industry wide shift in upward pricing primarily driven by increased growth in new developments throughout the USA and many other developed countries.
- Preferential pricing to JEA on past and present agreements, which JEA's past agreements had not escalated pricing at the same rate supplier costs had increased.
- JEA had adjusted based on multiple components, but general inflation and indirect costs in particular had increased faster than their agreement.
- Silicon steel, a critical component in the manufacturing of transformers, does not have an index directly linking it. JEA escalates based on a more general index that cannot 1:1 track to the index.
- Upward fluctuations in Stainless Steel, Silicon Steel, Aluminum, Copper, Oil, and all other variable costs associated with the manufacturer of the Single Phase Padmount Transformers.

The upward trajectory in commodity prices has impacted the unit pricing of Single Phase Padmount Transformers substantially. Since Contract Amendment One (1) on June 10, 2021, JEA has seen a 22.12% increase and a cumulative of 32.06% to date since the original bid. Accounting for the additional costs impact from commodity pricing increase to the original award amount, along with this new unit price being applied to the units needed to resolve lead-time concerns, we estimate JEA will see a total of \$4,112,789.55 in cost increases since Change Order One (1) and project continued price increases in the future based on current commodity price trajectory. Easing in some materials has occurred, but labor, transportation, and Electrical Steel make a sizeable portion of the material costs and these continue to see rapid increases to date. Unit pricing for the contract(s) will be adjusted quarterly with adjustments corresponding to fluctuations for Stainless Steel, Silicon Steel, Aluminum, Copper, Oil and All other variable costs and margins.

Lastly, JEA has seen a dramatic increase in demand driven from new growth in the JEA territory and a need to order more material due to longer lead-times. JEA is now ordering single phase padmount transformers approximately twelve (12) months earlier than we did prior to the award, so approximately twelve (12) months demand for FY25 is now needing to be ordered on this award instead of a future contract. To give background on this, lead times for transformers have gone from 20 weeks to 52 weeks, increasing the number of transformers that must be ordered under this contract for FY25 delivery. This accounts for \$7,686,648.97 of the total contract amendment.

Request approval for contract Gresco Supply in the amount of -\$6,303,776.85 and increase to Tri-State Utility Products by the amount of \$18,345,513.79 for the supply of Single Phase Padmounted Transformers for inventory stock, for a total not-to-exceed amount of \$46,160,022.66, subject to the availability of lawfully appropriated funds.

**Manager:** Keeler, Jessica – Manager, Procurement Inventory Control  
**Director:** McCollum, Jenny – Director, Procurement Services  
**VP:** McElroy, Alan – VP Supply Chain & Operations Support

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**



## Formal Bid and Award System

Award #5 June 10, 2021

**Type of Award Request:** CONTRACT AMENDMENT

**Request #:** 18

**Requestor Name:** Keeler, Jessica

**Requestor Phone:** (904) 665-6403

**Project Title:** Three-Phase, Single Phase Padmounted, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock

**Project Number:** Various

**Project Location:** JEA

**Funds:** Inventory Blanket Account

**Budget Estimate:** \$28,429,846.24

### Scope of Work:

The Purpose of this Contract Amendment is to modify the original Award amounts from the May 6, 2021 Award Committee. The purpose of the original Invitation to Negotiate (ITN) was to solicit pricing for Three-Phase, Single Phase Padmounted, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock; these collectively consist of ninety-six (96) JEA specific transformers. The primary use of these items is to enable voltage changes from one to another within our network system, with the items being utilized by the Electric department. At the time of bid release, our current inventory balance for the items found in this solicitation is \$4,780,269.25. As it relates to item spend, the last twelve (12) months totaled \$7,384,483.00.

**JEA IFB/RFP/State/City/GSA#:** 011-21

**Purchasing Agent:** Pearson, Kenny R.

**Is this a Ratification?:** No

### RECOMMENDED AWARDEES:

Name	Vendor Contact	Email	Address	Phone	Original Award Amount	Change Amount	Total Contract Amount
STUART C IRBY CO	Erich Ewoldt	<a href="mailto:ewoldt@irby.com">ewoldt@irby.com</a>	38 Skyline Drive, Lake Mary, FL 32746	407-415-6268	\$17,248,758.46	(\$9,976,492.28)	\$7,272,266.18
GRESKO SUPPLY	Chris Therien	<a href="mailto:Christopher.Therien@gresco.com">Christopher.Therien@gresco.com</a>	6421 County Road 219, Wildwood, FL 34785	352-446-7536	\$0.00	\$6,303,776.85	\$6,303,776.85
WEG TRANSFORMERS USA	Raymundo Chapa	<a href="mailto:rchapa@weg.net">rchapa@weg.net</a>	One Pauwels Drive, Washington, MO 63090	678-699-7840	\$430,856.00	\$0.00	\$430,856.00
TRI-STATE UTILITY PRODUCTS	Jim Richards	<a href="mailto:jrichards@tsup.com">jrichards@tsup.com</a>	160 Garrett Drive, Havana, FL 32333	850-539-8088	\$0.00	\$4,364,050.17	\$4,364,050.17

WESCO DISTRIBUTION INC.	Ashely Cirlot	<a href="mailto:acirlot@wescodist.com">acirlot@wescodist.com</a>	5971 Pershing Ave, Orlando, FL 32920	407- 434- 4025	\$13,135,389.29	\$2,611,947.23	\$15,747,336.52
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<b>Amount of Original Award:</b>	\$30,815,003.75
<b>Date of Original Award:</b>	05/06/2021
<b>Change Order Amount:</b>	\$3,303,281.97
<b>New Not-To-Exceed Amount:</b>	\$34,118,285.72
<b>Award Amount for remainder of this FY:</b>	\$3,790,920.63
<b>Length of Contract/PO Term:</b>	Three (3) Year w/ Two (2) – One (1) Yr. Renewals
<b>Begin Date (mm/dd/yyyy):</b>	05/15/2021
<b>End Date (mm/dd/yyyy):</b>	05/14/2024
<b>Renewal Options:</b>	Two (2) – One (1) Year Renewals
<b>JSEB Requirement:</b>	N/A - Optional

**Background/Recommendation:**

Originally bid and approved by the Awards Committee on 05/06/2021 to Stuart C Irby CO (\$17,248,758.46) for the supply of Single Phase Padmounted Transformers and Pole Mounted Transformers for inventory stock, Wesco Distribution, Inc. (\$13,135,389.29) for the supply of Three-Phase Padmounted Transformers and TRALC001 Miscellaneous Transformers for inventory stock, and WEG Transformers USA (\$430,856.00) for the supply of TRAPC016 Miscellaneous Transformers of for JEA Inventory Stock, for a total not-to-exceed amount of \$30,815,003.75. The original award is attached for reference.

After Award, JEA began the contracting phase with the three Respondents, Stuart C Irby CO, Wesco Distribution, Inc. and WEG Transformers USA. JEA has since signed Agreements and begun performing work with Wesco Distribution, Inc. and WEG Transformers USA.

However, market conditions have continued to evolve to a point where Stuart C Irby CO manufacturers were not willing to move forward without pricing increases, and they rejected the request for JEA to revisit the price adjustment methodology found in the solicitation.

Given the request for change from Stuart C Irby CO, JEA went back to the top three ranked Respondents and requested feedback on what it would take to move forward with contract execution on both Single Phase Padmount and Polemounted Transformers. The common request was to allow pricing to be adjusted to the market at the time of contract execution vs. three months into the contract. All manufacturers were willing to work with JEA on this, but one of Stuart C Irby CO’s manufacturers, Central Maloney was requesting a 40% increase on pricing which does not align with market increases. When making the determination on how to move forward, JEA viewed that large of an increase out of the negotiating spectrum, and has decided to move forward with awarding all of Central Maloney’s scope to different suppliers.

Based off of the information received from the top three suppliers of Single Phase and Polmounted Transformers, JEA is requesting to move forward with the following:

**Single Phase Padmount Transformers**

JEA requests to move forward with awarding Gresco 60% (now highest ranked after the market adjustment) and Tri-State 40% (now second highest ranked after the market adjustment) for all items listed on Single Phase Padmount Transformers tab. The decision to split this award was based on risk reduction by splitting the award across multiple suppliers, overall costs of the proposals, and lead-time of the suppliers and how that shapes JEA’s ability to efficiently and effectively operate. This portion of the award will be deducted from Stuart C Irby CO’s contract total and awarded to the next two highest ranked suppliers for a total of \$10,667,827.02. Gresco in

coordination with Ermco and Tri-State in coordination with Howard, have stated they are both willing to take a partial award.

**Polemount Transformers**

JEA requests to move forward with allowing Stuart C Irby CO to keep the portion of the award that is tied to the GE manufacturer as originally awarded, but the portion that was tied to Central Maloney as a manufacturer will be awarded to Wesco as the next highest ranked for those items, after the market adjustment. This portion of the award will be deducted from Stuart C Irby CO’s contract total and awarded to Wesco in the amount of \$1,465,170.92. Both suppliers have agreed to move forward as stated.

JEA also believes it is in the best interest of the company to have backup suppliers to the Polemount Transformers with the next highest ranked due to market conditions. This decision is based on risk reduction by awarding across multiple suppliers which shapes JEA’s ability to efficiently and effectively operate. Wesco is willing to be a back up to the Stuart C Irby CO award, so JEA has included 15% of the estimated usage for items found on Stuart C Irby CO’s Polemount Transformers proposed award, and included it in Wesco’s new award total in the amount of \$1,146,776.31. Unfortunately, the next ranked supplier/manufacturer for the new Wesco items was not willing to be a backup due to low volumes historically bought by JEA. To mitigate this issue, and any issues with any of the contracts, JEA has the right to spot buy the market when needed.

In the original award, JEA was planning to realize an estimated 8.39% increase due to unfavorable market conditions. This is believed to be due to:

- Over the term of the last agreement, an industry wide shift in upwards pricing primarily driven by increased growth in new developments throughout the USA and many other developed countries.
- Preferential pricing to JEA on past and present agreements, which JEA’s past agreements had not escalated pricing at the same rate supplier costs had increased.
  - JEA had adjusted based on multiple components, but general inflation and indirect costs in particular had increased faster than their agreement.
  - Silicon steel, a critical component in the manufacturing of transformers, does not have an index directly linking it. JEA escalates based on a more general index that cannot 1:1 track to the index.

Given the additional efforts and cost as outlined above, JEA will realize an estimated 15.97% up from the original awarded estimate of an 8.39% increase due to unfavorable market conditions.

Unit pricing for the contract(s) will be adjusted quarterly with adjustments corresponding to fluctuations for Stainless Steel, Silicon Steel, Aluminum, Copper, Oil and All other Variable Costs and Margins.

Request approval for contract increases to Wesco Distribution, Inc. (\$2,611,947.23), Gresco Supply (\$6,303,776.85) and Tri-State Utility Products (\$4,364,050.17), as well as a contract decrease to Stuart C Irby CO (-\$9,976,492.28) for the supply of Single Phase and Polemount Transformers for inventory stock, for a total not-to-exceed amount of \$34,118,285.72, subject to the availability of lawfully appropriated funds.

**Manager:** Keeler, Jessica – Inventory Planning Manager  
**Director:** McCollum, Jenny – Director, Procurement Services  
**VP:** McElroy, Alan – VP Supply Chain & Operations Support

**APPROVALS:**

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**Chairman, Awards Committee** \_\_\_\_\_  
**Date** \_\_\_\_\_

**Budget Representative**

**Date**



## Formal Bid and Award System

Award #6 May 6, 2021

**Type of Award Request:** INVITATION TO NEGOTIATE (ITN)  
**Request #:** 18  
**Requestor Name:** Keeler, Jessica  
**Requestor Phone:** (904) 665-6403  
**Project Title:** Three-Phase, Single Phase Padmounted, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Inventory Blanket Account  
**Budget Estimate:** \$28,429,846.24

### Scope of Work:

The purpose of this Invitation to Negotiate (ITN) is to solicit pricing for Three-Phase, Single Phase Padmounted, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock; these collectively consist of ninety-six (96) JEA specific transformers. The primary use of these items is to enable voltage changes from one to another within our network system, with the items being utilized by the Electric department. At the time of bid release, our current inventory balance for the items found in this solicitation is \$4,780,269.25. As it relates to item spend, the last twelve (12) months totaled \$7,384,483.00.

**JEA IFB/RFP/State/City/GSA#:** 011-21

**Purchasing Agent:** Roddy, Colin Patrick

**Is this a Ratification?:** No

### RECOMMENDED AWARDEES:

Name	Vendor Contact	Email	Address	Phone	Amount
STUART C IRBY CO	Erich Ewoldt	<a href="mailto:ewoldt@irby.com">ewoldt@irby.com</a>	38 Skyline Drive, Lake Mary, FL 32746	407-415-6268	\$17,248,758.46
WESCO DISTRIBUTION INC.	Ashely Cirlot	<a href="mailto:acirlot@wescodist.com">acirlot@wescodist.com</a>	5971 Pershing Ave, Orlando, FL 32920	407-434-4025	\$13,135,389.29
WEG TRANSFORMERS USA	Raymundo Chapa	<a href="mailto:rchapa@weg.net">rchapa@weg.net</a>	One Pauwels Drive, Washington, MO 63090	678-699-7840	\$430,856.00

**Amount for entire term of Contract/PO:** \$30,815,003.75

**Award Amount for remainder of this FY:** \$3,848,224.19

**Length of Contract/PO Term:** Three (3) Year w/ Two (2) – One (1)Yr. Renewals

**Begin Date (mm/dd/yyyy):** 05/15/2021

**End Date (mm/dd/yyyy):** 05/14/2024

**Renewal Options:** Two (2) – One (1)Year Renewals

**JSEB Requirement:** N/A - Optional

**BIDDERS:**

Name	First Round Total Extended Price	BAFO Total Extended Price	Proposed Award Amount*
ANIXTER	\$61,350,559.89	\$61,350,527.98	\$0.00
GRESKO SUPPLY	\$50,834,539.14	\$48,210,300.38	\$0.00
STUART C IRBY CO	\$27,822,385.35	\$26,591,930.05	\$17,248,758.46
TRI-STATE UTILITY PRODUCTS	\$55,407,574.00	\$54,390,977.36	\$0.00
WEG TRANSFORMERS USA	\$21,571,784.00	\$21,571,784.00	\$430,856.00
WESCO DISTRIBUTION INC.	\$49,838,220.32	\$49,796,415.37	\$13,135,389.29

\*reduced to a 3 year term

**Background/Recommendation:**

Advertised 01/15/2021, Eleven (11) vendors attended the optional pre-response meeting on 01/26/2021. At Response opening on 02/09/2021, JEA received six (6) Responses. All six (6) companies were short-listed. After negotiation meetings were held, all six (6) companies were invited to submit Best and Final Offers (BAFO). JEA evaluated the companies on 80% price and 20% qualitative response scoring criteria. All six (6) companies were deemed to be responsive and responsible Respondents.

In order to leverage JEA’s spend for Three-Phase, Single Phase Padmounted, Pole Mounted and Miscellaneous Transformers for JEA Inventory Stock, the internal team identified ninety-six (96) items deemed to be a good fit to be included in this initiative. In the past, these items were purchased on blanket purchase agreements through four (4) vendors; the Three-Phase transformer agreements with Anixter and Gresco along with the Single Phase transformer agreement with Gresco recently expired. Lastly, Stuart C Irby CO’s is still actively contracted for Polemounted Transformer agreement, which is set to expire on 7/12/2021.

The manufacturer(s) and/or catalog number(s) of the items found in this solicitation have been approved over time, and each item is currently approved by JEA’s Electric Standards Department. Each item has a unique list of approved manufacturers based on the capabilities of the supplier(s) to meet JEA’s electric system needs.

The basis for award for this bid was that JEA will Award a Contract to the Respondent that meets the Minimum Qualifications stated herein, and is the highest evaluated Respondent for each of the following bid groupings based on an 80% price and 20% qualitative response scoring criteria:

- Three-Phase Transformers Bid Tab
- Single Phase Padmounted Transformers Bid Tab
- Polemounted Transformers Bid Tab
- TRALC001 Bid Tab
- TRAPC016 Bid Tab

After the evaluations were complete, Stuart C Irby CO, Wesco Distribution, Inc. and WEG Transformers USA were determined to be the vendors that were the highest evaluated respondents to JEA for this work scope. For Polemounted Transformers we are proposing an award to the second overall price supplier, and incumbent supplier, after their final scores were as an aggregate higher than the lowest cost supplier.

Name	Three-Phase BAFO Ranking	Single Phase Padmounted BAFO Ranking	Polemounted BAFO Ranking	TRALC001 BAFO Ranking	TRAPC016 BAFO Ranking
ANIXTER	5	4	4	-	-
GRESKO SUPPLY	2	2	3	-	-

STUART C IRBY CO	-	<u>1</u>	<u>1</u>	-	-
TRI-STATE UTILITY PRODUCTS	4	3	5	-	-
WEG TRANSFORMERS USA	3	-	-	-	<u>1</u>
WESCO DISTRIBUTION INC.	<u>1</u>	5	2	<u>1</u>	-

Even with utilizing best practices of aggregation of items and competitive bidding, JEA will still realize an estimated 8.39% increase due to unfavorable market conditions. This is believed to be due to:

- Over the term of the last agreement, an industry wide shift in upwards pricing primarily driven by increased growth in new developments throughout the USA and many other developed countries.
- Preferential pricing to JEA on past and present agreements, which JEA’s past agreements had not escalated pricing at the same rate supplier costs had increased.
  - JEA had adjusted based on multiple components, but general inflation and indirect costs in particular had increased faster than their agreement.
  - Silicon steel, a critical component in the manufacturing of transformers, does not have an index directly linking it. JEA escalates based on a more general index that cannot 1:1 track to the index.

We believe this is more a market correction of JEA pricing, so JEA has elected to reduce the award to a Three (3) Year with Two (2) – One (1) Yr. Renewal term from the originally bid five (5) year term. This will allow JEA to evaluate the performance at a shorter term.

The BAFO resulted in an adjusted reduction of \$186,202.74. Unit pricing for the contract(s) will be adjusted quarterly with adjustments corresponding to fluctuations for Stainless Steel, Silicon Steel, Aluminum, Copper, Oil and All other Variable Costs and Margins.

Procurement tracks two different types of savings. The total cost difference is comparing the current pricing with the proposed pricing (+/-). The total sourcing savings is determined by negotiations, BAFO savings and value added savings. Below is the breakdown:

- **Total cost difference:** \$2,385,157.51 (unit price increase) = (\$2,385,157.51)
- **Total sourcing savings:** \$186,202.74 BAFO Savings

011-21 - Request approval to award contracts to Stuart C Irby CO (\$17,248,758.46) for the supply of Single Phase Padmounted Transformers and Pole Mounted Transformers for inventory stock, Wesco Distribution, Inc. (\$13,135,389.29) for the supply of Three-Phase Padmounted Transformers and TRALC001 Miscellaneous Transformers for inventory stock, and WEG Transformers USA (\$430,856.00) for the supply of TRAPC016 Miscellaneous Transformers of for JEA Inventory Stock, for a total not-to-exceed amount of \$30,815,003.75, subject to the availability of lawfully appropriated funds.

**Manager:** Keeler, Jessica – Inventory Planning Manager  
**Director:** McCollum, Jenny – Director, Procurement Services  
**VP:** McElroy, Alan – VP Supply Chain & Operations Support

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative**

**Date**



# Formal Bid and Award System

Award #8 February 17, 2022

**Type of Award Request:** INVITATION FOR BID (IFB)  
**Request #:** 312  
**Requestor Name:** Roh, Mir  
**Requestor Phone:** (904) 665-5887  
**Project Title:** Park & King Substation Construction  
**Project Number:** 8006124  
**Project Location:** JEA  
**Funds:** Capital  
**Budget Estimate:** \$1,822,500.00

**Scope of Work:**

The purpose of this solicitation is to evaluate and select a vendor to provide a Construction Services for JEA’s Park & King substation as described in this Solicitation (the "Work") and to determine the best method for JEA to procure the Work with regards to pricing, quality, design, and workmanship.

Over the past three decades, JEA has been implementing a plan to retire the 4KV distribution system. In 2015, the 4KV conversion plan was re-evaluated. The findings were that conversion was still justified in some areas, but in other areas it made more sense to refurbish and keep the 4KV. The modified plan refurbishes six 4KV substations and associated circuits. The Park & King 4KV substation is one of the stations selected to remain in service and will be rebuilt. It is the fifth of the six stations, and only one more will remain to be rebuilt after it.

**JEA IFB/RFP/State/City/GSA#:** 1410523446  
**Purchasing Agent:** Lovgren, Rodney  
**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
RELIABLE SUBSTATION SERVICES INC.	Dave Boisvert	Dboisvert_rss@Hotmail.com	PO Box 520505 Longwood, FL 32752	407-869-7440	\$1,822,500.00

**Amount for entire term of Contract/PO:** \$1,822,500.00  
**Award Amount for remainder of this FY:** \$1,400,000.00 (FY22)  
**Length of Contract/PO Term:** Project Completion  
**Begin Date (mm/dd/yyyy):** 02/21/2022  
**End Date (mm/dd/yyyy):** Project Completion (Estimated - 12/30/2022)  
**JSEB Requirement:** Optional – small project location  
**Comments on JSEB Requirements:**  
Drew Ammons - \$19,195.00 ~ 1%

**PROPOSERS:**

Name	Total Bid Price
RELIABLE SUBSTATION SERVICES INC.	\$1,822,500.00
C & C POWERLINE	\$1,992,866.83
EMERALD ELECTRIC CONSULTANTS	\$2,011,534.14

**Background/Recommendations:**

Advertised on 12/15/2021. Four (4) prime companies attended the optional pre-proposal meeting held on 12/22/2021. At Bid opening on 02/01/2022, JEA received three (3) Bids. The companies were evaluated on price. Reliable Substation Services, Inc. is the lowest, responsive and responsible Bidder. A copy of the Bid is attached as backup.

The award amount is equal to the updated Budget Estimate which is deemed reasonable.

1410523446 – Request approval to award a contract to Reliable Substation Services, Inc. for the Park & King Substation Construction Project in the amount of \$1,822,500.00, subject to the availability of lawfully appropriated funds.

**Manager:** Hamilton, Darrell D. - Mgr Transmission and Substation Projects  
**Sr. Director:** Acs, Gabor - Sr Dir Engineering & Projects  
**VP:** Erixton, Ricky D. - VP Electric Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**

Executed in 3 Counterparts

BID BOND

STATE OF FLORIDA

COUNTY OF:   Seminole  

KNOW ALL PERSONS BY THESE PRESENTS, That we, Reliable Substation Services, Inc. (hereinafter called "Principal"), and United Fire & Casualty Company as Surety (hereinafter called "Surety"), are held and firmly bound unto the JEA of the City of Jacksonville, Florida (hereinafter called the "JEA"), in the sum of \$ Five \*, lawful money of the United States of America, for the payment which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents:

WHEREAS, the Principal contemplates submitting or has submitted a Bid to the JEA for:

Bid # 1410523446

Park & King Substation

(Rebuild 13.2/4KV Substation - Demolition and Construction)

2658 Gale Court

Jacksonville, FL 32204

WHEREAS, it was a condition precedent to the submission of said Bid that a certified check or Bid Bond in the amount of Five \* be submitted with said Bid as a guaranty that the Principal would, if awarded the contract, enter into a written contract with the JEA and furnish a Section 255.05 Florida Statutes Contract Bond in an amount equal to the contract price for the performance of said contract, within ten consecutive calendar days after written notice being given of acceptance by the JEA.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the Bid of the Principal herein be accepted and said Principal, within ten consecutive calendar days after written notice being given of such acceptance, enters into a written contract with the JEA, and furnishes a Section 255.05, Florida Statutes Contract Bond in an amount equal to the contract price satisfactory to the JEA, then this obligation shall be void; otherwise, the sum herein stated shall be due and payable to the JEA, and the Surety herein agrees to pay said sum immediately upon demand of said JEA, in good and lawful money of the United States of America; as liquidated damages for failure thereof of said Principal.

\*Percent of Amount Bid (5%)

IN WITNESS WHEREOF, the said Principal and the said Surety have duly executed this bond the 1st day of February, 2022.

ATTEST:

Sandra J Reid  
Signature

Sandra J Reid  
Type/Print Name

Jacqueline Reid  
Signature

Jacqueline Reid  
Type/Print Name

Signed, Sealed and Delivered  
in the Presence of:

Jenna Delgado  
Signature

Jenna Delgado  
Type/Print Name

Lisa Roseland  
Signature

Lisa Roseland  
Type/Print Name

Countersigned:

By Gloria A. Richards (407) 786-7770  
Resident Agent  
State of Florida

Name of Firm: Florida Surety Bonds, Inc.

Address: 620 N. Wymore Road, Suite 200  
Maitland, FL 32751

Reliable Substation Services, Inc.  
(Principal Company Name)

David Boisvert  
Signature

David Boisvert  
Type/Print Name

President  
Title  
AS PRINCIPAL

United Fire & Casualty Company  
(Surety Company Name)

Gloria A. Richards  
Signature

Gloria A. Richards (407) 786-7770  
Type/Print Name

Attorney-In-Fact & FL Licensed Resident Agent  
Title

AS SURETY

Name of Agent: Florida Surety Bonds, Inc.

Address: 620 N. Wymore Road, Suite 200

Maitland, FL 32751

Surety's Address: PO Box 73909  
Cedar Rapids, IA 52407-3909  
319-399-5700

Form Approved:

Assistant General Counsel



UNITED FIRE & CASUALTY COMPANY, CEDAR RAPIDS, IA  
 UNITED FIRE & INDEMNITY COMPANY, WEBSTER, TX  
 FINANCIAL PACIFIC INSURANCE COMPANY, LOS ANGELES, CA  
 CERTIFIED COPY OF POWER OF ATTORNEY  
 (original on file at Home Office of Company - See Certification)

Inquiries: Surety Department  
 118 Second Ave SE  
 Cedar Rapids, IA 52401

KNOW ALL PERSONS BY THESE PRESENTS, That United Fire & Casualty Company, a corporation duly organized and existing under the laws of the State of Iowa; United Fire & Indemnity Company, a corporation duly organized and existing under the laws of the State of Texas; and Financial Pacific Insurance Company, a corporation duly organized and existing under the laws of the State of California (herein collectively called the Companies), and having their corporate headquarters in Cedar Rapids, State of Iowa, does make, constitute and appoint

KIM E. NIV, JEFFREY W. REICH, SUSAN L. REICH, TERESA L. DURHAM, GLORIA A. RICHARDS, LISA A. ROSELAND, SONJA AMANDA FLOREE HARRIS, CHERYL A. FOLEY, ROBERT P. O'LINN, SARAH K. O'LINN, EMILY J. GOLECKI, EACH INDIVIDUALLY

their true and lawful Attorney(s)-in-Fact with power and authority hereby conferred to sign, seal and execute in its behalf all lawful bonds, undertakings and other obligatory instruments of similar nature provided that no single obligation shall exceed \$100,000,000.00 and to bind the Companies thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Companies and all of the acts of said Attorney, pursuant to the authority hereby given and hereby ratified and confirmed.

The Authority hereby granted shall expire the 13th day of July, 2023 unless sooner revoked by United Fire & Casualty Company, United Fire & Indemnity Company, and Financial Pacific Insurance Company.

This Power of Attorney is made and executed pursuant to and by authority of the following bylaw duly adopted by the Boards of Directors of United Fire & Casualty Company, United Fire & Indemnity Company, and Financial Pacific Insurance Company.

**"Article VI - Surety Bonds and Undertakings"**

Section 2, Appointment of Attorney-in-Fact. "The President or any Vice President, or any other officer of the Companies may, from time to time, appoint by written certificates attorneys-in-fact to act in behalf of the Companies in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. The signature of any officer authorized hereby, and the Corporate seal, may be affixed by facsimile to any power of attorney or special power of attorney or certification of either authorized hereby; such signature and seal, when so used, being adopted by the Companies as the original signature of such officer and the original seal of the Companies, to be valid and binding upon the Companies with the same force and effect as though manually affixed. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority shall have full power to bind the Companies by their signature and execution of any such instruments and to attach the seal the Companies thereto. The President or any Vice President, the Board of Directors or any other officer of the Companies may at any time revoke all power and authority previously given to any attorney-in-fact.

IN WITNESS WHEREOF, the COMPANIES have each caused these presents to be signed by its vice president and its corporate seal to be hereto affixed this 13th day of July, 2021

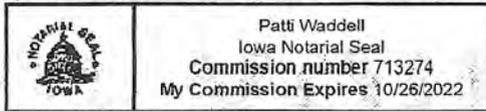


UNITED FIRE & CASUALTY COMPANY  
 UNITED FIRE & INDEMNITY COMPANY  
 FINANCIAL PACIFIC INSURANCE COMPANY

By: *Dennis J. Richman*  
 Vice President

State of Iowa, County of Linn, ss:

On 13th day of July, 2021, before me personally came Dennis J. Richman to me known, who being by me duly sworn, did depose and say; that he resides in Cedar Rapids, State of Iowa; that he is a Vice President of United Fire & Casualty Company, a Vice President of United Fire & Indemnity Company, and a Vice President of Financial Pacific Insurance Company the corporations described in and which executed the above instrument; that he knows the seal of said corporations; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporations and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporations.



*Patti Waddell*  
 Notary Public  
 My commission expires: 10/26/2022

I, Mary A. Bertsch, Assistant Secretary of United Fire & Casualty Company and Assistant Secretary of United Fire & Indemnity Company, and Assistant Secretary of Financial Pacific Insurance Company, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the bylaws and resolutions of said Corporations as set forth in said Power of Attorney, with the ORIGINALS ON FILE IN THE HOME OFFICE OF SAID CORPORATIONS, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

In testimony whereof I have hereunto subscribed my name and affixed the corporate seal of the said Corporations this 1st day of Feb., 2022



By: *Mary A. Bertsch*  
 Assistant Secretary,  
 UF&C & UF&I & FPIC

Appendix B - Bid Form  
1410523446 JEA's Park & King Substation Construction Services

Submit an electronic copy of this Bid Form on the Sourcing Platform per the solicitation

Company Name: Reliable Substation Services, Inc

Company's Address: PO Box 520505, Longwood, FL 32752-0505

License Number: ES12000657

Phone Number: 407-869-7440 FAX No: 407-869-7446 Email Address: dboisvert\_rss@hotmail.com

<b>BID SECURITY REQUIREMENTS</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Certified Check or Bond Five Percent (5%)	<b>TERM OF CONTRACT</b> <input type="checkbox"/> One Time Purchase <input type="checkbox"/> Annual Requirements <input checked="" type="checkbox"/> Other, Specify - Project Completion
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<b>SAMPLE REQUIREMENTS</b> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Response Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<b>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</b> <input type="checkbox"/> None required <input checked="" type="checkbox"/> Bond required 100% of Bid Award
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<b>QUANTITIES</b> <input checked="" type="checkbox"/> Quantities indicated are exacting <input type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	<b>INSURANCE REQUIREMENTS</b>  <b>Insurance required</b>
--	--

**PAYMENT DISCOUNTS**

1% 20, net 30  
 2% 10, net 30  
 Other \_\_\_\_\_  
 None Offered

#	Description of Services	TOTAL BID PRICE
1	Total Bid Price for Work as described in this Solicitation	\$ 1,655,000
2	Supplemental Work Authorization (SWA) 10% of Line 1	\$ 165,000
3	Total Bid Price (Sum of Lines 1 and 2) Enter this Amount in the Sourcing Platform	\$1,822,500

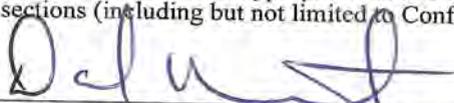
I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda

\_\_\_ 1 \_\_\_ through \_\_\_ 3 \_\_\_



Handwritten Signature of Authorized Officer of Company or Agent

2/1/2022  
Date

David Boisvert President  
Printed Name and Title

**LIST OF SUBCONTRACTORS**

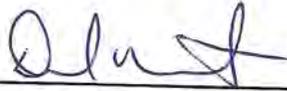
JEA Solicitation Number 14105 23446 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

The undersigned understands that failure to submit the required Subcontractor information on this form will result in bid rejection, and the Company agrees to employ the Subcontractors specified below: (Use additional sheets as necessary)

Note: This list of Subcontractors shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of JEA.

Type of Work	Corporate Name of Subcontractor	Subcontractor Primary Contact Person & Telephone Number	Subcontractor's License Number (if applicable)	Percentage of Work or Dollar Amount
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Site Work House	DA Construction	David Brown 813 309 6566		\$ 1,193,080
Landscape	Landscape Construction	Drew Ammons 904 307 6133		\$ 19,195

Signed:   
 Company: RSS  
 Address: Longwood, FL  
 Date: 2/1/22



# JSEB BID FORM

## List of JSEB Subcontractors

The following JSEB Subcontractors will be utilized in fulfilling the terms and conditions of a Project Authorization arising from award of **JEA Solicitation Number 1410523446**. I (We) the undersigned understand that failure to submit said information will result in bid rejection. I (We) will employ the JSEB Subcontractors specified below: *(Use additional sheets as necessary)*

### 1) JSEB Vendor Name: Landscape Construction

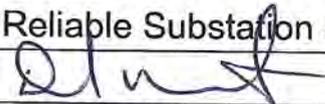
Primary Contact Name:	Drew Ammons	
Email:	landscape.construction@yahoo.com	
Phone:	9043076133	
Scope of Work:	Landscape	
Percentage of Total Job:		Dollar Amount: 19195

### 2) JSEB Vendor Name:

Primary Contact Name:		
Email:		
Phone:		
Scope of Work:		
Percentage of Total Job:		Dollar Amount:

### 3) JSEB Vendor Name:

Primary Contact Name:		
Email:		
Phone:		
Scope of Work:		
Percentage of Total Job:		Dollar Amount:

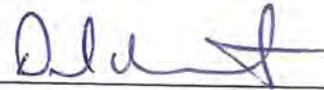
**Company** Reliable Substation Services  
**Signed**   
**Title** President  
**Email** dboisvert\_rss@hotmail.com  
**Phone** 4074938846 **Date** 02/01/20

Note: All fields are required to be completed on this form. This list shall not be modified subsequent to bid opening without a showing of good cause and the written consent of the JEA. Also, in case of discrepancy, the dollar amount stands.

CONSTRUCTION AND DEMOLITION DEBRIS DISPOSAL  
(See Subsection \_\_\_\_ - Instructions to Bidders)

Construction and demolition debris at the worksite will be disposed of at Total Ridge Landfill;  
5110 US HWY 301 Baldwin FL 32234

This location is subject to Certificate of Necessity No. 1991-095, and is designated by  
Public Works Department Permit No. 33268.



(Signature)

President

(Title)



# Formal Bid and Award System

Award #9 February 17, 2022

**Type of Award Request:** CONTRACT AMENDMENT & INCREASE

**Requestor Name:** Schoettler, Kyle C.

**Requestor Phone:** (904) 665-8946

**Project Title:** Restoration of Disturbed Sod (South/East)

**Project Number:** Various

**Project Location:** JEA

**Funds:** Capital and O&M

**Budget Estimate:** \$206,390.89

**Scope of Work:**

JEA is soliciting bids from qualified Jacksonville Small and Emerging Business (JSEB) vendors for the restoration of sod in City, County and Florida Department of Transportation (FDOT) rights of way and easements (the "Work"). The Work may also include hydro seeding, fill placement, moderate compacting, and removal and hauling of site debris and extra fill to another site. The Work will be in JEA's service territory on the South and East sides of the St. Johns River.

**JEA IFB/RFP/State/City/GSA#:** 083-18

**Purchasing Agent:** Brown, Darriel D.

**Is this a Ratification?:** NO

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
AMERICAN CONSTRUCTION ENTERPRISES OF NE FL. INC.	George Smith	gsmithace@yahoo.com	4951 Rue St, Jacksonville, FL 32258	(904) 262-3622	\$206,390.89

**Amount of Original Award:** \$300,000.00

**Date of Original Award:** 07/09/2018

**Change Order Amount:** \$206,390.89

**List of Previous Change Order/Amendments:**

CPA #	Amount	Date	Notes
184127	\$994,875.00	03/14/2019	Approved by Awards Committee
184127	\$473,195.30	03/25/2021	Approved by Awards Committee
184127	\$176,807.03	07/02/2021	10% Admin increase

**New Not-To-Exceed Amount:** \$2,151,268.22

**Length of Contract/PO Term:** Five (5) Years w/ One (1) – 1 Yr. Renewal

**Begin Date:** 07/09/2018

**End Date:** 03/28/2023

**Renewal Options:** Yes - One (1) - 1 Yr. Renewal

**JSEB Requirement:** JSEB Sheltered

**Comments on JSEB Requirements:**

American Construction Enterprises is a JSEB

**Background/Recommendations:**

Originally competitively bid and awarded on 07/09/2018 in the amount of \$300,000.00. On 03/14/2019, a contract increase of \$994,875.00 was approved by the Awards Committee for a not-to-exceed amount of \$1,294,875.00. On 03/25/2021, a contract increase of \$473,195.30 was approved by the Awards Committee for a not-to-exceed amount of \$1,768,070.30. On 07/02/2021, an admin contract increase of \$176,807.03 was approved, for a not-to-exceed amount of \$1,944,877.33. Copies of the previous awards are attached for reference.

American Construction Enterprises of NE FL, Inc. has performed well under this contract and JEA desires to issue an amendment and process an increase up to the budget amount of \$206,390.89. The vendor has agreed to keep current pricing for this renewal. The contract expiration date has been set to 3/28/2023, in order to align with the contract for the North/West service territory. This change allows both contracts to be rebid at the same time. Upon further consideration, and due current inflationary market conditions, it was decided to issue this amendment, at the current contract rates.

Request approval to award an amendment and contract increase to American Construction Enterprises of NE FL, Inc. in the amount of \$206,390.89, for a new not-to-exceed amount of \$2,151,268.22, subject to the availability of lawfully appropriated funds.

**Director:** Scheel, Jackie B. - Dir W/WW Reuse Delivery & Collection

**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

\_\_\_\_\_  
**Chairman, Awards Committee** **Date**

\_\_\_\_\_  
**Budget Representative** **Date**



## Formal Bid and Award System

Award #2 March 25, 2021

**Type of Award Request:** CONTRACT AMENDMENT  
**Request #:** 101  
**Requestor Name:** Schoettler, Kyle C. – Mgr W/WW System Operations & Customer Response  
**Requestor Phone:** (904) 665-8946  
**Project Title:** Restoration of Disturbed Sod (South/East)  
**Project Number:** HW30601 & attached list  
**Project Location:** JEA  
**Funds:** Capital and O&M (line 688)  
**Budget Estimate:** \$473,195.30 (50% Capital, 50% O&M)

### Scope of Work:

JEA is soliciting bids from qualified Jacksonville Small and Emerging Business (JSEB) vendors for the restoration of sod in Municipal, City, County and Florida Department of Transportation (FDOT) rights of way and easements (the “Work”). The Work may also include hydro seeding, fill placement, moderate compacting, and removal and hauling of site debris and extra fill to another site. The Work will be in JEA’s service territory on the South and East sides of the St. Johns River.

**JEA IFB/RFP/State/City/GSA#:** 083-18  
**Purchasing Agent:** King, David  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
AMERICAN CONSTRUCTION ENTERPRISES OF NE FL. INC.	George Smith	gsmithace@yahoo.com	4951 Rue St, Jacksonville, FL 32258	(904) 262-3622	\$473,195.30

**Amount of Original Award:** \$300,000.00

**Date of Original Award** 07/09/2018

### List of Previous Increases

CPA	Amount	Date
175433	\$994,875.00	03/14/2019

**Contract Increase Amount:** \$473,195.30

**New Not-To-Exceed Amount:** \$1,768,070.30

**Length of Contract/PO Term:** Five (5) Years w/ One (1) – 1 Yr. Renewal

**Begin Date (mm/dd/yyyy):** 07/09/2018

**End Date (mm/dd/yyyy):** 03/28/2022 (Contract will be terminated early, see Background/Recommendations)

**Renewal Options:** Yes - One (1) – 1 Yr. Renewal

**JSEB Requirement:** JSEB Sheltered

**Comments on JSEB Requirements:**

American Construction Enterprises is a JSEB.

**Background/Recommendations:**

Advertised on 03/27/2018, and awarded for a not-to-exceed amount of \$300,000.00. On 03/14/2019, a contract increase of \$994,875.00 was approved by the Awards Committee for a new not-to-exceed amount of \$1,294,875.00. At that time, it was decided to set the contract end date earlier than the anticipated five (5) years, to 03/28/2022. The intent was to match the end date of the similar contract for the North/West service territory. Prior to the expiration of both contracts, JEA will issue one solicitation, for both the North/West and South/East service territories. JEA is still planning to award multiple contracts.

This award is to request a contract increase through 03/28/2022. The annual spend on this contract has increased due to an increase in emergency work such water/sewer line breaks and leaks, failing manholes and aging and failing infrastructure. The quantities used to determine the award total are based on JEA's historical task order volume over the past three years for this service territory.

Request approval to award a contract amendment to American Construction Enterprises for Restoration of Disturbed Sod (South/East) in the amount \$473,195.30, for a new not to exceed amount of \$1,768,070.30, subject to the availability of lawfully appropriated funds.

**Director:** Scheel, Jackie B. – Dir W/WW Reuse Delivery & Collection

**VP:** Vu, Hai X. - VP Water/Wastewater Systems

**APPROVALS:**

 \_\_\_\_\_ 03/25/2021

**Chairman, Awards Committee** **Date**

 \_\_\_\_\_ 3/25/21

**Budget Representative** **Date**



## Formal Bid and Award System

Award #3 March 14, 2019

**Type of Award Request:** CONTRACT INCREASE  
**Request #:** 6555  
**Requestor Name:** Smith, Thaliah D. – Contract Specialist  
**Requestor Phone:** (904) 665-8165  
**Project Title:** Restoration of Disturbed Sod (South/East)  
**Project Number:** 8005184, 8005119, 8005153, 8005179  
**Project Location:** JEA  
**Funds:** Capital and O&M (lines 415, 418)  
**Budget Estimate:** \$994,875.00 (50% Capital, 50% O&M)

### Scope of Work:

JEA is soliciting bids from qualified Jacksonville Small and Emerging Business (JSEB) vendors for the restoration of sod in Municipal, City, County and Florida Department of Transportation (FDOT) rights of way and easements (the "Work"). The Work may also include hydro seeding, fill placement, moderate compacting, and removal and hauling of site debris and extra fill to another site. The Work will be in JEA's service territory on the South and East sides of the St. John's River.

This award will impact the following Measures of Value:

- Community Impact Value: This contract will restore customer lawns to the pre-maintenance/pre-construction state or better.

**JEA IFB/RFP/State/City/GSA#:** 083-18  
**Purchasing Agent:** Kruck, Daniel R.  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
AMERICAN CONSTRUCTION ENTERPRISES OF NE FL. INC.	George Smith	gsmithace@yahoo.com	4951 Rue St, Jacksonville, FL 32258	(904) 262-3622	\$994,875.00

**Amount of Original Award:** \$300,000.00  
**Date of Original Award:** 07/09/2018  
**Contract Increase Amount:** \$994,875.00  
**New Not-To-Exceed Amount:** \$1,294,875.00  
**Length of Contract/PO Term:** Five (5) Years w/ One (1) - One (1) Year Renewal  
**Begin Date (mm/dd/yyyy):** 07/09/2018  
**End Date (mm/dd/yyyy):** 03/28/2022

**Renewal Options:** Yes - One (1) - One (1) Year Renewal

**JSEB Requirement:** JSEB Sheltered

**Comments on JSEB Requirements:**

American Construction Enterprises is a JSEB

**Background/Recommendations:**

Advertised on 03/27/2018. Six (6) prime contractors attended the mandatory pre-bid meeting held on 04/04/2018. At Bid opening on 04/17/2018, JEA received two (2) bids. The low Bidder was approximately 43% higher than current pricing at the time. Negotiations were held with the low Bidder and the unit prices were reduced by approximately 1.3%. American Construction Enterprises of NE FL (ACE) was the lowest responsive and responsible Bidder. A copy of the revised bid form and workbook are attached as backup.

Due to increased pricing from past contracts, only a one (1) year informal award was made on 07/09/2018. ACE has performed well under the informal contract. Recently a solicitation for these services was bid for another part of JEA's service territory. The unit prices were similar to those received under this contract, so JEA has determined to continue with this contract.

This award is to request a contract increase through 03/28/2022. The intent is to combine both sod restoration contracts into one solicitation in an attempt to increase competition at that time. The work for this contract will be completed on a task order basis, and payments will be made in accordance with the unit prices on the bid workbook. The unit prices are fixed for one (1) year then may be increased via a CPI adjustment. The quantities used to determine the award total are based on JEA's historical task order volume over the past three years for this service territory. The award amount is the current budget forecast.

Request approval to award a contract increase to American Construction Enterprises for Restoration of Disturbed Sod in the amount \$994,875.00, for a new not to exceed amount of \$1,294,875.00, subject to the availability of lawfully appropriated funds.

**Manager:** Schoettler, Kyle C. - Mgr W/WW System Operations & Customer Response

**Director:** Scheel, Jackie B. - Dir W/WW Reuse Delivery & Collection

**VP:** Calhoun, Deryle I. - VP/GM Water Wastewater Systems

**APPROVALS:**

  
\_\_\_\_\_  
**Chairman, Awards Committee**                      **Date**                      3/14/19

  
\_\_\_\_\_  
**Manager, Operating Budgets**                      **Date**                      3/14/19

By Fiscal Year

Row Labels	Sum of Amount Billed
<b>FY21 YTD</b>	<b>\$ 180,540.39</b>
Capital	\$ 91,717.26
O&M	\$ 88,823.13
<b>FY20</b>	<b>\$ 476,602.09</b>
Capital	\$ 258,146.64
O&M	\$ 218,455.45
<b>FY19</b>	<b>\$ 449,548.16</b>
Capital	\$ 194,471.28
O&M	\$ 255,076.88
<b>FY18</b>	<b>\$ 72,265.36</b>
Capital	\$ 33,841.17
O&M	\$ 38,424.19
<b>Grand Total</b>	<b>\$ 1,178,956.00</b>

FY21 Annualized (OCT-JAN)  
\$ 541,621.17

FY Average  
\$ 463,075.13

By Calendar Year

Row Labels	Sum of Amount Billed
<b>2021</b>	<b>\$ 49,582.50</b>
Capital	\$ 21,700.62
O&M	\$ 27,881.88
<b>2020</b>	<b>\$ 492,075.57</b>
Capital	\$ 271,165.52
O&M	\$ 220,910.05
<b>2019</b>	<b>\$ 454,315.02</b>
Capital	\$ 212,490.77
O&M	\$ 241,824.25
<b>2018</b>	<b>\$ 182,982.91</b>
Capital	\$ 72,819.44
O&M	\$ 110,163.47
<b>Grand Total</b>	<b>\$ 1,178,956.00</b>

CY21 Annualized (JAN)  
\$ 594,990.00

CY Average  
\$ 473,195.30

FY21 Project #	Project Description	Description	Cost Center	Manager	FY20 Project #	Project Description
		<b>Sewer Preventive Maintenance</b>				
8006727	PA21S-Clean Sanitary Swr ML	Cleaning Sanitary Sewer Main Line	30606	Spell	8006036	PA20S-Clean Sanitary Swr ML
8006728	PA21S-Scheduled Cleanin Swr ML	Scheduled Cleaning Sanitary Sewer Main Line	30606	Spell	8006037	PA20S-Scheduled Cleanin Swr ML
8006729	PA21S-Clean&Insp ML SSO	Cleaning & Inspection Sanitary Sewer Main Line (SSO)	30606	Spell	8006038	PA20S-Clean&Insp ML SSO
8006730	PA21S-Clean&Insp ML Non-SSO	Cleaning & Inspection Sanitary Sewer Main Line (Non-SSO)	30606	Spell	8006039	PA20S-Clean&Insp ML Non-SSO
8006731	PA21S-Degreasing SS Main Lines	Degreasing SS Main Lines Including Cleaning and/or Inspection	30606	Spell	8006040	PA20S-Degreasing SS Main Lines
8006732	PA21S-Manhole Poptop	Manhole Poptop	30606	Spell	8006041	PA20S-Manhole Poptop
8006733	PA21S-Smoke Test Sanitary Swr	Smoke Testing Sanitary Sewer Lines	30606	Spell	8006042	PA20S-Smoke Test Sanitary Swr
8006734	PA21S-HDPE Sanitary Swr Cln	HDPE Sanitary Sewer Cleaning	30606	Spell	8006043	PA20S-HDPE Sanitary Swr Cln
8006735	PA21S-Tool-Equip Supp CC30606	Tool - Equipment Support	30606	Spell	8006044	PA20S-Tool-Equip Supp CC30606
8006736	PA21S-Inflow & Infiltration	Inflow & Infiltration	30606	Spell	8006045	PA20S-Inflow & Infiltration
8006737	PA21S - ARV - Inspection	ARV - Inspection	30606	Spell	8006046	PA20S - ARV - Inspection
<b>FY21 Project #</b>	<b>Project Description</b>	<b>Description</b>	<b>Cost Center</b>	<b>Manager</b>		
		<b>Sewer Operations &amp; Maintenance</b>				
8006738	PA21S-Swr ML Cave Ins < 10'	Sewer Main Line Cave Ins < 10' in Depth	30602	Rouse	8006047	PA20S-Swr ML Cave Ins < 10'
8006739	PA21S-Swr ML Cave Ins > 10'	Sewer Main Line Cave Ins > 10' in Depth	30602	Rouse	8006048	PA20S-Swr ML Cave Ins > 10'
8006740	PA21S-Sewer Lateral Cave Ins	Sewer Lateral Cave Ins	30602	Rouse	8006049	PA20S-Sewer Lateral Cave Ins
8006741	PA21S- Sewer Manhole Repairs	Sewer Manhole Repairs	30602	Rouse	8006050	PA20S- Sewer Manhole Repairs
8006742	PA21S-Sewer Force Main Repairs	Sewer Force Main Repairs	30602	Rouse	8006051	PA20S-Sewer Force Main Repairs
8006743	PA21S- Air Release Valves Rpr	Sewer Air Release Valves Repair	30602	Rouse	8006052	PA20S- Air Release Valves Rpr
8006744	PA21S-FM Integrity Testing	Force Main Integrity Testing	30602	Rouse	8006053	PA20S-FM Integrity Testing
8006745	PA21S-Sewer O&M Pump Support	Sewer O&M Pump Support	30602	Rouse	8006054	PA20S-Sewer O&M Pump Support
8006746	PA21S-Tool-Equip Supp CC30602	Tool - Equipment Support	30602	Rouse	8006055	PA20S-Tool-Equip Supp CC30602
8006747	PA21S-Sewer 3rd Party Damage	Sewer Repairs 3rd Party Damage due to Bad Locates	30602	Rouse	8006056	PA20S-Sewer 3rd Party Damage
<b>FY21 Project #</b>	<b>Project Description</b>	<b>Description</b>	<b>Cost Center</b>	<b>Manager</b>		
		<b>Water Preventive Maintenance</b>				
8006748	PA21W-Wtr Surveying Activities	Water PM - Surveying Activities	30604	Allsbrook	8006057	PA20W-Wtr Surveying Activities
8006749	PA21W-Water PM - Pump Repair	Water PM - Pump Repair	30604	Allsbrook	8006058	PA20W-Water PM - Pump Repair
8006750	PA21W-Tool Equip Supp CC30604	Tool - Equipment Support	30604	Allsbrook	8006059	PA20W-Tool Equip Supp CC30604
8006751	PA21W- Air Scouring	Air Scouring	30604	Allsbrook	8006060	PA20W- Air Scouring
<b>FY21 Project #</b>	<b>Project Description</b>	<b>Description</b>	<b>Cost Center</b>	<b>Manager</b>		
		<b>Water Operations &amp; Maintenance</b>				
8006752	PA21W- Water PM - Valve Truck	Water PM - Valve Truck	30606	Spell	8006061	PA20W- Water PM - Valve Truck
8006753	PA21W-Water PM - Hydrant Truck	Water PM - Hydrant Truck	30606	Spell	8006062	PA20W-Water PM - Hydrant Truck
8006754	PA21W-Wtr Grid Support&Repairs	Water Grid Support & repairs	30607	Ellis	8006063	PA20W-Wtr Grid Support&Repairs
8006755	PA21W-Wtr Rclm Grid Supp&Repr	Water reclaim Grid Support & Repairs	30607	Ellis	8006064	PA20W-Wtr Rclm Grid Supp&Repr
8006756	PA21W-Water Pump Support	Water Pump Support	30607	Ellis	8006065	PA20W-Water Pump Support
8006757	PA21W-Tool Equip Supp CC30607	Tool - Equipment Support	30607	Ellis	8006066	PA20W-Tool Equip Supp CC30607
8006758	PA21W-Water 3rdParty Damage	Water Repairs 3rd Party Damage due to Bad Locates	30607	Ellis	8006067	PA20W-Water 3rdParty Damage
8006759	PA21R-Reclaim 3rd Party Damag	Water Reclaim Repairs 3rd Party Damage due to Bad Locates	30607	Ellis	8006068	PA20R-Reclaim 3rd Party Damag
<b>FY21 Project #</b>	<b>Project Description</b>	<b>Description</b>	<b>Cost Center</b>	<b>Manager</b>		
8006760	PA21W- TRAINING FOR CC30600	Training - Jones	30600	Jones	8006069	PA20W- TRAINING FOR CC30600
8006761	PA21W- TRAINING FOR CC30601	Training - Scheel	30601	Scheel	8006070	PA20W- TRAINING FOR CC30601
8006762	PA21W- TRAINING FOR CC30602	Training - Rouse	30602	Rouse	8006071	PA20W- TRAINING FOR CC30602

8006763	PA21W- TRAINING FOR CC30604	Training - Allsbrook	30604	Allsbrook	8006072	PA20W- TRAINING FOR CC30604
8006764	PA20W- TRAINING FOR CC30606	Training - Spell	30606	Spell	8006073	PA20W- TRAINING FOR CC30606
8006765	PA21W- TRAINING FOR CC30607	Training - Ellis	30607	Ellis	8006074	PA20W- TRAINING FOR CC30607
8006766	PA21W- TRAINING FOR CC30110	Training - Chascin	30110	Chascin	8006075	PA20W- TRAINING FOR CC30110
<b>FY21 Project #</b>	<b>Project Description</b>	<b>Description</b>	<b>Cost Center</b>	<b>Manager</b>		
8006768	PA21W-Sod/Landscaping-Water	Sod/Landscaping-Water	30601	Schoettler	8006080	PA20W-Sod/Landscaping-Water
8006769	PA21S - Sod/Landscaping-Sewer	Sod/Landscaping-Sewer	30601	Schoettler	8006081	PA20S - Sod/Landscaping-Sewer
8006770	PA21W-Asphalt East/West-Water	Asphalt East/West-Water	30601	Schoettler	8006082	PA20W-Asphalt East/West-Water
8006771	PA21S-Asphalt East/West-Sewer	Asphalt East/West-Sewer	30601	Schoettler	8006083	PA20S-Asphalt East/West-Sewer
8006772	PA21W-Concrete East/West-Water	Concrete East/West-Water	30601	Schoettler	8006084	PA20W-Concrete East/West-Water
8006773	PA21S-Concrete East/West-Sewer	Concrete East/West-Sewer	30601	Schoettler	8006085	PA20S-Concrete East/West-Sewer
8006774	PA21W-Barricades-Water	Barricades-Water	30601	Schoettler	8006086	PA20W-Barricades-Water
8006775	PA21S-Barricades-Sewer	Barricades-Sewer	30601	Schoettler	8006087	PA20S-Barricades-Sewer
<b>FY21 Project #</b>	<b>Project Description</b>	<b>Description</b>	<b>Cost Center</b>	<b>Manager</b>		
8006776	PA21W-Hydrant Flow Testing	Hydrant Flow Testing	30110	Chascin	8006088	PA20W-Hydrant Flow Testing
8006777	PA21S-FDOT Permits	Permits	30110	Chascin	8006089	PA20S-FDOT Permits

<b>FY21 PROJECT</b>	<b>FY21 PROJECT DESCRIPTION</b>	<b>FY20 PROJECT</b>
8006585	PA21W New Water Main Taps	8005804
8006721	PA21W-Infill Projects-W	8005805
8006623	PA21W-WM Geotech Testing-W	8005812
8006586	PA21W-Wtr R&R Valve Rpl	8005806
8006588	PA21W-Wtr R&R Fire Hydrant Rpl	8005807
8006590	PA21W-Wtr R&R Serv Renewals	8005808
8006591	PA21W Dirty Water Renewals	8005809
8006495	PA21W Wtr R&R Serv Relocates	8005810
8006639	PA21W Wtr R&R Main&Capital Rp	8005811
8006587	PA21W-Galvanized Pipe Repl-W	8005813
8006535	PA21S Manhole SCADA R&R	8005803
8006511	PA21S-Swr R&R Trenchless Tech	8005814
8006510	PA21S OM-Air Relief Valves-S	8005815
8006505	PA21S-Main Extension and Taps	8005816
8006506	PA21S-Infill Projects-S	8005817
8006604	PA21S-IN KIND PROJ AND EQUIP	8005818
8006605	PA21S-Swr Collection Sys R&R	8005819
8006606	PA21S-Swr R&R - Manhole Repl	8005820
8006607	PA21S-Swr R&R Admin Labor	8005821
8006608	PA21S-Swr R&R CI Replacements	8005822
8006610	PA21S-Swr R&R ML Repl (26' >)	8005823
8006611	PA21S-Swr R&R ML Rpl (Lrg Dia)	8005824
8006612	PA21S-Swr R&R Serv Relocates	8005825
8006613	PA21S-Swr R&R Serv Renewals	8005826
8006614	PA21S-Swr R&R TV/Clean Pipe Rp	8005827
8006615	PA21S-SM Geotech Testing-S	8005828
8006616	PA21S-SM Geotech Testing SPT-S	8006032
8006497	PA21S-3rd Party Manhole-S	8006364
8006786	PA21S-Swr R&R Lateral (26'>)	

<b>ELECTRIC</b>	<b>FY20 Project #</b>	<b>FY21 Project #</b>
PA21E-SSC OVERHEAD RESTORATION	8005984	8006815
PA21E-WSC OVERHEAD RESTORATION	8005984	8006673
PA21E-SSC UG RESTORATION	8005981	8006813
PA19E-OM POLE REFURB-TRANS	8006001	
PA19E-STREET LIGHT UPGRADES	8005980	
PA19E-SYS A CEMIS-P8 ENHANCE	8005990	
PA19E-POLE RELOCATION	8005967	
PA19E-NEW ELECTRIC SERV ADD	8005960	
PA19E-LINE ORDER	8005961	
PA19E-COMMERCIAL SERVICE	8005965	
PA19E-GEN NETWORK DT CAP UPGR	8005986	
PA19E-OM INSULATOR REFURBISH	8006002	
PA20E RESIDENTIAL SERVICE	8005964	
PA19E-OM POLE REPLAC PROGRAM	8005969	



# Formal Bid and Award System

Award #10 February 17, 2022

**Type of Award Request:** CONTRACT INCREASE & RENEWAL  
**Requestor Name:** Schoettler, Kyle C.  
**Requestor Phone:** (904) 665-8946  
**Project Title:** Restoration of Disturbed Sod (North/West) JSEB Sheltered Market  
**Project Number:** Various  
**Project Location:** JEA  
**Funds:** Capital and O&M  
**Budget Estimate:** \$595,851.00

**Scope of Work:**

JEA is soliciting bids from qualified Jacksonville Small and Emerging Business (JSEB) vendors for the restoration of sod in City, County and Florida Department of Transportation (FDOT) rights of way and easements (the “Work”). The Work may also include hydro seeding, fill placement, moderate compacting, and removal and hauling of site debris and extra fill to another site. The Work will be in JEA’s service territory on the South and East sides of the St. John’s River.

**JEA IFB/RFP/State/City/GSA#:** 046-19  
**Purchasing Agent:** Brown, Darriel D.  
**Is this a Ratification?:** YES - Partial  
 \$143,000.00 to cover pending work orders

**RECOMMENDED AWARDEE(S):**

Name	Contact Name	Email	Address	Phone	Amount
C & L LANDSCAPE, INC.	Tana Hamburger	tana@clandscape.com	1601 E Duval St, Jacksonville FL 32202	(904) 353-6620	\$595,851.00

**Amount of Original Award:** \$1,021,375.00  
**Date of Original Award:** 07/09/2018  
**Change Order Amount:** \$595,851.00  
**List of Previous Change Order/Amendments:**

CPA #	Amount	Date
181000	\$102,137.50	07/02/2021
181000	\$143,000.00	12/17/2021

**New Not-To-Exceed Amount:** \$1,719,363.50  
**Length of Contract/PO Term:** Three Years w/ Two (2) – 1 Yr. Renewals  
**Begin Date:** 03/28/2019  
**End Date:** 03/28/2023  
**Renewal Options:** Yes - One (1) - 1 Yr. Renewal  
**JSEB Requirement:** JSEB Sheltered

**Comments on JSEB Requirements:**

C & L Landscape, Inc. is a JSEB

**Background/Recommendations:**

Originally competitively bid and awarded on 03/14/2019 in the amount of \$1,021,375.00. An administrative increase was approved on 07/02/2021 in the amount of \$102,137.50 due to increases in repair work in the service area. A copy of the previous award document is attached for reference.

C & L Landscape, Inc. has performed well under this contract and JEA desires to exercise the available one (1) year renewal up to the budget of \$595,851.00. This amount includes a ratification of \$143,000.00. The budget has been increased due to increased repair activities in this service area. JEA originally planned on rebidding this contract with the South/East service territory contract to better align their scheduled beginning and end dates. Upon further consideration, and due to current inflationary market conditions, it was instead decided to exercise the renewal option at the current contract rates.

Request approval to award a ratification of \$143,000, a renewal, and a contract increase to C & L Landscape, Inc. in the amount of \$452,851.00, for a new not-to-exceed of \$1,719,363.50, subject to the availability of lawfully appropriated funds.

**Director:** Scheel, Jackie B. - Dir W/WW Reuse Delivery & Collection

**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

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**Chairman, Awards Committee** **Date**

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**Budget Representative** **Date**



## Formal Bid and Award System

CPA181000

Award #2 March 14, 2019

**Type of Award Request:** BID (IFB)  
**Request #:** 6459  
**Requestor Name:** Smith, Thaliah D. – Contract Specialist  
**Requestor Phone:** (904) 665-8165  
**Project Title:** Restoration of Disturbed Sod (North/West) JSEB Sheltered Market  
**Project Number:** 8005184, 8005119, 8005153, 8005179  
**Project Location:** JEA  
**Funds:** Capital and O&M (line 411)  
**Budget Estimate:** \$1,020,000.00 (50% Capital, 50% O&M)  
**Scope of Work:**

JEA is soliciting bids from qualified Jacksonville Small and Emerging Business (JSEB) vendors for the restoration of sod in Municipal, City, County and Florida Department of Transportation (FDOT) rights of way and easements (the "Work"). The Work may also include hydro seeding, fill placement, moderate compacting, and removal and hauling of site debris and extra fill to another site. The Work will be in JEA service territory on the North and West side of the St. John's River to include parts of Nassau and Clay Counties.

This award will impact the following Measures of Value:

- Community Impact Value: This contract will restore customer lawns to the pre-maintenance/pre-construction state or better.

**JEA IFB/RFP/State/City/GSA#:** 046-19  
**Purchasing Agent:** Kruck, Daniel R.  
**Is this a Ratification?:** NO

### RECOMMENDED AWARDEE(S):

Name	Contact Name	Email	Address	Phone	Amount
C & L LANDSCAPE INC.	Tana Hamburger	tana@cllandscap.com	1601 E Duval St, Jacksonville FL 32202	(904) 353-6620	\$1,021,375.00

**Amount for entire term of Contract/PO:** \$1,021,375.00  
**Award Amount for remainder of this FY:** \$170,229.17  
**Length of Contract/PO Term:** Three Years w/ Two (2) - One (1) Year Renewals  
**Begin Date (mm/dd/yyyy):** 03/28/2019  
**End Date (mm/dd/yyyy):** 03/28/2022  
**Renewal Options:** Yes, Two (2) - One (1) Year Renewals  
**JSEB Requirement:** JSEB Sheltered  
**Comments on JSEB Requirements:**

C&L Landscaping Inc. is a JSEB

**BIDDERS:**

Name	Amount
C&L LANDSCAPE INC.	\$1,021,375.00
KIRBY DEVELOPMENT, INC.	\$4,818,608.59

**Background/Recommendations:**

Advertised on 01/10/2019. Five (5) prime contractors attended the mandatory pre-bid meeting held on 01/22/2019. At Bid opening on 02/12/2019, JEA received two (2) Bids. Prior to the solicitation advertisement JEA conducted a JSEB workshop reviewing the scope of work for this solicitation in an attempt to increase participation. After bid opening companies that attended the pre-bid, but did not submit stated a lack of experience in this type of sod contract, as the reason for not submitting a bid. C&L Landscape Inc. is the lowest responsive and responsible Bidder. A copy of the bid form and workbook are attached as backup.

The award amount of \$1,021,375.00 is approximately 0.13% higher than the budget estimate and deemed reasonable. This pricing is approximately three percent (3%) lower than a similar contract for sod restoration services with American Construction Enterprises for JEA's service territory on the South and East sides of the St. John's River. The work for this contract will be completed on a task order basis, and payments will be made in accordance with the unit prices on the bid workbook. The unit prices are fixed for one (1) year then may be increased via a Consumer Price Index (CPI) adjustment. The quantities on the bid workbook used to determine the award total are based on JEA's historical task order volume over the past three years for this service territory. It should be noted that the original bid amount from C&L Landscape Inc. was \$1,148,005.00. Due to the higher than estimated unit prices JEA negotiated with C&L Landscape Inc. for a savings of \$126,630.00.

046-19 – Request approval to award a contract to C&L Landscape Inc. for Restoration of Disturbed Sod in the amount of \$1,021,375.00, subject to the availability of lawfully appropriated funds.

**Manager:** Schoettler, Kyle C. - Mgr W/WW System Operations & Customer Response  
**Director:** Scheel, Jackie B. – Dir W/WW Reuse Delivery & Collection  
**VP:** Calhoun, Deryle I. - VP/GM Water Wastewater Systems

**APPROVALS:**

  
\_\_\_\_\_  
**Chairman, Awards Committee**                      **Date**                      3/14/19

  
\_\_\_\_\_  
**Manager, Operating Budgets**                      **Date**                      3/14/19

Appendix B - Bid Form  
046-19 Restoration of Disturbed Sod (JSEB Sheltered Market)

Submit an **original, two (2) copies and one (1) CD or thumb drive** along with other required forms in a sealed envelope to: JEA Procurement Dept., 21 W. Church St., Bid Office, Customer Center, 1<sup>st</sup> Floor, Room 002, Jacksonville, FL 32202-3139.

Company Name: C&L Landscape, Inc.  
 Company's Address: 1601 E. Duval Street  
 License Number: see attached  
 Phone Number: 904-353-4438 FAX No: 904-355-5985 Email Address: Tana@cllandscape.com

<b>BID SECURITY REQUIREMENTS</b>	<b>TERM OF CONTRACT</b>
<input checked="" type="checkbox"/> None required <input type="checkbox"/> Certified Check or Bond Five Percent (5%)	<input type="checkbox"/> One Time Purchase <input checked="" type="checkbox"/> Annual Requirements - Three (3) Yrs w/Two (2) - 1 Yr. Renewals <input type="checkbox"/> Other, Specify- Project Completion

<b>SAMPLE REQUIREMENTS</b>	<b>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</b>
<input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Response Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<input checked="" type="checkbox"/> None required <input type="checkbox"/> Bond required 100% of Bid Award

<b>QUANTITIES</b>	<b>INSURANCE REQUIREMENTS</b>
<input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	Insurance required

**PAYMENT DISCOUNTS**

1% 20, net 30  
 2% 10, net 30  
 Other \_\_\_\_\_  
 None Offered

Item No.	ENTER YOUR BID FOR THE FOLLOWING DESCRIBED ARTICLES OR SERVICES	TOTAL BID PRICE
1	Total Bid Price (from the Bid Workbook)	\$ <del>1,148,005.00</del> \$ 1,021,375.00

I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

**BIDDER CERTIFICATION**

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict of Interest and Ethics) of this Solicitation.

We have received addenda \_\_\_\_\_ through \_\_\_\_\_

Tana Hamburger President 2/12/19  
 Handwritten Signature of Authorized Officer of Company or Agent Date

Tana Hamburger President  
 Printed Name and Title

**046-19 Appendix B - Bid Workbook  
Restoration of Disturbed Sod (JSEB Sheltered Market)**

#	Description	Unit	Annual	Yrs	Total Forecast Qty	Unit Price	Total Price
1	Duval Mobilization Fee per site	EA	1,260	3	3,780	\$ 40.00	\$ 151,200.00
2	St. Johns County Mobilization Fee per site	EA	11	3	32	\$ 50.00	\$ 1,600.00
3	Nassau County Mobilization Fee per site	EA	26	3	79	\$ 50.00	\$ 3,950.00
4	Clay County Mobilization Fee per site	EA	26	3	79	\$ 50.00	\$ 3,950.00
5	Priority Responses	EA	79	3	236	\$ 75.00	\$ 17,700.00
6	Installation of Meter boxes & valve Jackets	EA	53	3	158	\$ 10.00	\$ 1,580.00
7	Sod, 1 to 25 SF	SF	6,825	3	20,475	\$ 6.00	\$ 122,850.00
8	Sod, 26 to 200 SF	SF	36,750	3	110,250	\$ 2.00	\$ 220,500.00
9	Sod, 201 to 500 SF	SF	24,150	3	72,450	\$ 2.00	\$ 144,900.00
10	Sod, greater than 500 SF	SF	58,800	3	176,400	\$ 1.30	\$ 229,320.00
11	Seed & Mulch (100 SY)	SY	10,500	3	31,500	\$ 0.10	\$ 3,150.00
12	Hydro-seeding (100 SY)	SY	1,050	3	3,150	\$ 0.10	\$ 315.00
13	Decorative Organic Mulch	CY	53	3	158	\$ 10.00	\$ 1,580.00
14	Decorative Gravel Mulch	CY	53	3	158	\$ 20.00	\$ 3,160.00
15	Fill 3" up to 12"	CY	420	3	1,260	\$ 20.00	\$ 25,200.00
16	Fill 12" up to 24"	CY	158	3	473	\$ 20.00	\$ 9,460.00
17	Fill Greater than 24"	CY	158	3	473	\$ 20.00	\$ 9,460.00
18	Surplus Fill and Material Removal (above the 0.5 CY allowance per site)	CY	525	3	1,575	\$ 20.00	\$ 31,500.00
19	Supplemental Work Authorization	LS	1	3	1		\$ 40,000.00
<b>TOTAL BID PRICE (for items 1 through 19 above - Enter this Amount on the Bid Form)</b>							<b>\$ 1,021,375.00</b>

**Kruck, Daniel R.**

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**From:** Tana Hamburger <tana@clandscape.com>  
**Sent:** Thursday, February 28, 2019 1:47 PM  
**To:** Kruck, Daniel R.  
**Subject:** RE: C+L Revised Bid Workbook

[External Email - Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.]

Dan,  
It was a pleasure meeting with y'all today.  
We acknowledge the price change and agree.  
Thanks,  
Tana

**From:** Kruck, Daniel R. [mailto:krucdr@jea.com]  
**Sent:** Thursday, February 28, 2019 1:28 PM  
**To:** 'tana@clandscape.com' <tana@clandscape.com>  
**Cc:** Smith, Thaliah D. - Contract Specialist <smittd@jea.com>  
**Subject:** C+L Revised Bid Workbook

Tana,

Can you please confirm the rates in the attached bid workbook?

**Dan Kruck**  
Purchasing Agent, Senior  
Direct: (904) 665-4988



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Florida has a very broad Public Records Law. Virtually all written communications to or from State and Local Officials and employees are public records available to the public and media upon request. Any email sent to or from JEA's system may be considered a public record and subject to disclosure under Florida's Public Records Laws. Any information deemed confidential and exempt from Florida's Public Records Laws should be clearly marked. Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact JEA by phone or in writing.

### Award 2 Budget Details (046-19)

<b>Award Total</b>	<b>\$1,021,375.00</b>	<b>(Three year total)</b>
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<b>3 Yr Projected Award Expenditure Breakdown by Percent</b>		
O&M	50%	\$510,687.50
Capital	50%	\$510,687.50

<b>Current FY O&amp;M Budget Details for Awards 2 &amp; 3</b>			
<b>FY19 Line</b>	<b>Cost Center</b>	<b>Original Budget</b>	<b>Revised Budget</b>
411	30601	\$167,900.00	\$171,300.00
415	30601	\$100,000.00	\$120,000.00
418	30601	\$60,000.00	\$60,000.00
		<b>Total</b>	<b>\$351,300.00</b>

<b>FY19 O&amp;M Spend Review</b>			
<b>C&amp;L O&amp;M</b>	<b>ACE O&amp;M</b>	<b>ACE Spend (to date)</b>	<b>Total</b>
\$85,114.58	\$82,906.25	\$183,116.45	<b>\$351,137.28</b>

<b>O&amp;M Projected Spend</b>				
<b>FY19 (remaining)</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>Total</b>
\$85,114.58	\$170,229.17	\$170,229.17	\$85,114.58	\$510,687.50

<b>Capital Projected Spend (Various Projects)</b>				
<b>FY19 (remaining)</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>Total</b>
\$85,114.58	\$170,229.17	\$170,229.17	\$85,114.58	\$510,687.50