# Welcome to the

# JEA Awards Meeting

## January 16, 2025, 10:00 AM EST

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

At the designated public comment time we will provide opportunity for you to unmute to speak.

During the meeting, public comments received via e-mail regarding any matter on the agenda for consideration will be read out. Per the Public Notice Agenda posted on JEA.com, public comments by e-mail must be received no later than 9:00 a.m. on the day of the meeting to be read during the public comment portion of the meeting.

Please contact Aileen Cruz by telephone at (904) 776-1911 or by email at cruza@jea.com if you experience any technical difficulties during the meeting.

# JEA Awards Agenda
# January 16, 2025
# 225 North Pearl St., Jacksonville, FL 32202 - Hydrangea Room 1st Floor

Teams Meeting Info

The Chief Procurement Officer offers the following items for the JEA Awards Consent Agenda. Any item may be moved from the Consent Agenda to the Regular Agenda by a committee member asking that the item be considered separately. **All items on the Consent agenda have been approved by OGC, Budget and the Business Unit Vice President and Chief**. The posting of this agenda serves as an official notice of JEA's intended decision for all recommended actions for **Formal Purchases** as defined by **Section 3-101 of the JEA Procurement Code**. Please refer to JEA's Procurement Code, if you wish to protest any of these items.

| Award # | Type of Award | Solicitation # & Short Description/Title | VP | Awardee | Funding Source | Business Unit Estimate | Award Amount | Original Award Amount | New Not-to-Exceed | Amendments | Term (Projected) Start Date - End Date | JSEB Participation (Y/N) If Y, then list company name(s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Minutes** | **Minutes from 01/09/2025 Meeting** | **N/A** | **N/A** | **N/A** | **N/A** | **N/A** | **N/A** | **N/A** | **N/A** | **N/A** | **N/A** |
| 2 | **Contract Increase** | **1410804046 Sanitary Sewer Manhole Structural Rehabilitation and Repair** | **Vu** | **Vortex Services LLC** | **Capital** | **$630,000.00** | **$630,000.00** | **$3,000,000.00** | **$3,930,000.00** | 11/21/24 $300,000.00 | Three (3) Years w/ Two (2) - 1 Yr. Renewals<br><br>Start Date: 10/01/2022<br>End Date: 09/30/2025 | N/A |
| | Originally Awarded: 10/06/2022<br>Last Awarded: 11/21/2024<br>For additional information contact: Ella Bedwell<br><br>The scope of work for this contract includes construction services for the sealing, resealing, coating, repair, and rehabilitation, along with any related incidental work, for the sanitary sewer manholes located within JEA's service territory, which includes Duval and surrounding counties.<br><br>JEA W/WW Delivery & Collection has had positive results with this supplier and has been able to rehabilitate more manholes than were projected for the initial 3-year contract term. The purpose of this request is to increase the contract authorization to issue additional task orders to this supplier. The request is estimated to provide sufficient contract authorization until the end of the initial 3-year contract term expiring in September 2025. | | | | | | | | | | | |
| 3 | **Contract Increase/Renewal** | **017-20 JEA Routine Hydrant Maintenance** | **Vu** | **DMD Consultants, Inc** | **O&M** | **$397,000.00** | **$397,360.62** | **$900,000.00** | **$2,000,610.62** | 03/07/2023: $90,000.00<br>04/68/2023: $467,500.00<br>04/08/2024: $145,750.00 | Five (5) Years w/ One (1) - 1 Yr. Renewals<br><br>Start Date: 06/11/2020<br>End Date: 06/10/2026 | N |
| | Originally Awarded: 5/07/2020<br>Last Awarded: 4/06/2023<br>For more information contact: David King<br><br>DMD continues to perfom well on our fire hydrant inspections and routine repairs. The scope covered with this fund increase/renewal includes the servicing, sandblasting and painting of fire hydrants to maintain the 5 year scheduled maintenance of all JEA fire hydrants for all of FY25 and into FY26, at which point the contract will be bid out. DMD has maintained their pricing to JEA for the last 5 years during the contract term.<br><br>The pricing on the renewal term, starting 06/11/2025, will increase by 20%.<br><br>Current Price / CPI Adj (22%) / New Price<br>Service $ 44.00 / $ 53.85 / $ 52.80<br>Service w/out paint $ 30.00 / $ 36.71 / $ 36.00<br>Inspection only $ 10.00 / $ 12.24 / $ 12.00<br>Sandblast & prime $ 72.00 / $ 88.11 / $ 86.40<br><br>This price increase is comparable to CPI for the corresponding time period (22%) and deemed reasonable. | | | | | | | | | | | |
| 4 | **Invitation to Bid (IFB)** | **1411880446 Streetlight Material for JEA Stock FY25** | **Phillips** | **Gresco Supply, Inc.<br>Stuart C. Irby Company, LLC<br>Wesco Distribution, Inc.<br>Tri-State Utility Products, Inc.** | **Inventory** | **$14,507,235.39** | **$2,004,498.88<br>$10,567,951.15<br>$859,138.32<br>$239,991.20** | **$13,671,579.55** | **$13,671,579.55** | N/A | Start Date: 01/30/2025<br>End Date: 01/29/2028<br><br>Three (3) Years w/ Two (2) - 1 Yr. Renewals | N/A |
| | Advertised: 11/18/2024<br>Opened: 12/17/2024<br>Four (4) Bids Received<br>Gresco Supply, Inc. - $14,019,096.24<br>Stuart C. Irby Company, LLC - $13,781,097.68<br>Tri-State Utility Products, Inc. - $6,558,531.20<br>Wesco Distribution, Inc. - $15,041,743.85<br><br>For additional information contact: Lynn Rix<br><br>The purpose of this Invitation for Bid (IFB) for Streetlight Materials for JEA Stock FY25 is to select a vendor to provide streetlight materials at the best price for JEA. Seventy-five (75) items were bid and this award request is based on each being awarded to the lowest bidder as follows:<br><br>Name / Awarded Items / Awarded Amount<br>Gresco Supply, Inc. 25 $ 2,004,498.88<br>Stuart C. Irby Compay LLC 31 $ 10,567,951.15<br>Wesco Distribution Inc. 16 $ 859,138.32<br>Tri-State Utility Products, Inc. 3 $ 239,991.20<br>TOTALS 75 $ 13,671,579.55<br><br>Through the competitive bidding process JEA realized a 6% savings which totals $835,655.84 over the last price paid and having these items on contract will allow for mitigation against price volatility and savings through process efficiencies. | | | | | | | | | | | |
| 5 | **Change Order** | **Northside, ST3 Lube Oil Cooler Inspection and Cleaning** | **Erixton** | **Siemens Energy, Inc.** | **Capital** | **$2,022,622.00** | **$2,022,622.00** | **$422,632.00** | **$13,320,900.00** | 12/05/24: $10,875,606.00 | Project Completion<br><br>Start Date: 11/04/2024<br>End Date: 03/01/2025 | N/A |
| | Originally Awarded: 10/24/2024<br>For additional information contact Jason Behr<br><br>Originally, this contract was awarded as a Single Source to Siemens for the inspection and cleaning of the turbine lube oil cooler for Northside Unit 3 (N03). Upon inspection, an indication was found on one of the LP turbine blades necessitating the continuation of the Unit 3 shut down until the blade could be replaced. It was also discovered that the L-0 blades had reached the end of life and also needed replacement. These findings led to the Amendment to the scope on 12/05/2025 for $10,875,606.00.<br><br>Siemens is currently performing the work associated with the Amendment 1 and additional indications (cracks) were found on the LP-A rotor. This included two cracks at the blade root on the Generator end and nine through cracks at the air foils on the Governor end of the rotor. Due to critical locations of the cracks and high risk of blade liberation replacement is recommended. In addition, LP bearing and journal damage was discovered during the inspection and a LP bearing oil circulation with filtration is recommended.<br><br>This request for Amendment 2 is to include the purchase of the L-1 RH and LH blades, removal of existing blades, cleaning and NDE of the empty steeples, installation of the new L-1 blades and oil circulation with filtration during reassembly. | | | | | | | | | | | |

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| 6 | **Request For Proposal (RFP)** | **1411799447 CCNA Survey Services for Transmission/Distribution and Substation Projects** | **Melendez** | **Surveying and Mapping, LLC** | **Capital** | **$326,186.50** | **$326,186.50** | **N/A** | **$326,186.50** | N/A | Start Date: 02/03/2025<br>End Date: 02/02/2028<br><br>Three (3) Years w/ Two (2) - 1 Yr. Renewals | Y<br><br>Smith Surveying Group, LLC - 5% |
| | Advertised: 07/24/2024<br>Opened: 08/27/2024<br>Six (6) Responses Received<br>Public Evaluation Meeting: 11/22/2024<br><br>For additional information contact: Jason Behr<br><br>JEA sought proposals for a survey company to perform survey service for transmission/distribution and substation projects. This included aerial LiDAR, digital orthophotography for use in PLS-CAD, terrestrial LiDAR for Substation 3D modeling and SUE investigation. This service is required for capital projects that will be engineered and designed in-house by JEA.<br><br>JEA evaluated six (6) proposals received. Proposals were evaluated based on professional staff experience, design approach and workplan, company experience, and use of a JSEB subcontractor. Surveying and Mapping, LLC (SAM) was the highest evaluated respondent based on this criteria. After evaluation, rates were obtained from SAM. Rates were then compared to past services provided to JEA by several vendors and deemed in line and reasonable with the exception of the "per hole" rate associated with SUE services. Rate was negotiated down from $1,250 per hole to $850 per hole which is in line with previous services received.<br><br>The award amount is for projects that are currently identified. Funds are expected to be added in the future as more projects are identified and will return to the Awards Committee as needed. | | | | | | | | | | | |

| **Consent Agenda Action** | | |
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| **Committee Members in Attendance** | **Names** | _____, _____, _____ |
| Motion by: | | |
| Second By: | | |
| Committee Decision | | |

# Regular Agenda

| Award # | Type of Award | Solicitation # & Short Description/Title | VP | Awardee | Award Amount | Business Unit Estimate | Original Award Amount | New Not-to-Exceed | Amendments | Term | JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded) | Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Request for Proposals (RFP)** | **1411831248 Property and Casualty Insurance Brokerage Services** | **Orfano** | **Arthur J. Gallagher Risk Management Services, Inc.** | **- $31,102,983.00Broker Fees - $797,5** | **Premiums - $31,102,983.00<br><br>Broker Fees - $797,523.00** | **N/A** | **Premiums - $31,102,983.00<br><br>Broker Fees - $797,523.00** | N/A | Three (3) Years w/ Two (2) – 1 Yr. Renewals<br><br>Start Date: 03/01/2025<br>End Date: 02/29/2028 | N | **Motion by:**<br>_____<br>**Second by:**<br>_____<br>**Committee Decision:**<br>_____ |
| | Advertised: 08/28/2024<br>Responses Opened: 10/15/2024<br>Three (3) Bids Received:<br>Arthur J. Gallagher Risk Management Services - $510,000.00<br>Aon Risk Services Central - $525,000.00<br>Willis Towers Watson Southeast - $735,000.00<br>For additional information contact: Elaine Selders<br><br>On 08/28/2024, an RFP was issued to select a company to provide Property and Casualty Insurance Brokerage Services for JEA. The responses were evaluated by a team and Arthur J. Gallagher Risk Management Services, Inc. (AJG) was selected as the highest-ranked respondent. The firms were evaluated on the compensation amount, their financial responsibility, and the experience of the company and service team. A copy of the results have been attached as backup. The broker contract will include an annual flat fee for all broker services except for the cyber brokerage fees, which are negotiated annually, with a cap of 10% of the cost of cyber Insurance coverage. The standard brokerage fees for the contract term are $170,000.00 annually, totaling $510,000.00 for the initial three-year term of the contract. Additional brokerage fees for Cyber Insurance are estimated to be $82,800.00 for year one, $95,300.00 for year two and $109,503.00 for year three for a total of $287,523.00. The total estimated not-to-exceed amount for all brokerage service fees for the initial term of the contract are $797,523.00.<br><br>The solicitation included but was not limited to the procurement of insurance (property and casualty) for Out-of-State Automobile Liability, Directors and Officers Liability, Property, Excess Liability, Fiduciary, ERISA Bond, Out-of-State Workers Compensation, Cyber Liability, Crime Insurance and Excess Crime Insurance, Business Travel Policy and Pollution Liability Policy. The Broker shall also provide property loss prevention engineering and claims settlement (property and casualty). The insurance premiums are negotiated and paid on JEA's behalf by AJG with the exception of out-of-state workers compensation which is paid directly to the insurance carrier. The total cost for the three-year term is estimated to be $31,102,983.00. The estimate is based on insurance market industry data projections and the historical spend, which are reviewed annually. While a 15% annual increase has been budgeted, the broker negotiates premiums for JEA to minimize these increases.<br><br>JEA intends to award two separate contracts, one for brokerage services and another for the payment of the insurance premiums. This request is to award Arthur J. Gallagher Risk Management Services, Inc. (AJG) with a contract for broker services in the not-to-exceed amount of $797,523.00 and a contract for the above-mentioned Insurance Premiums in the not-to-exceed amount of $31,102,983.00.<br><br>**DISCUSSION/ACTION:**<br>**DISCUSSION/ACTION PARTICIPANTS:** | | | | | | | | | | | |
| 2 | **Invitation for Bids (IFB)** | **1411808846 Pearl Street Offsite Remedial Action and Parking Lot** | **Brooks** | **Entact, LLC** | **$6,305,095.55** | **$630,000.00** | **N/A** | **$6,305,095.55** | N/A | Project Completion<br><br>Start Date: 01/27/2025<br>End Date: 08/08/2025 | Y<br>Alpha Envirotech Consultanting, Inc. - $13,600.00<br>Bullard Fence, Inc. - $48,448.23<br>CSI Geo, Inc. - $37,312.86<br>Garmon Trucking, Inc. - $125,037.90<br>Landscape Construction, LLC - $134,195.59<br>Smith Surveying Group - $144,955.27 | **Motion by:**<br>_____<br>**Second by:**<br>_____<br>**Committee Decision:**<br>_____ |
| | Advertised: 10/17/2024<br>Opened: 12/17/2024<br>Two (2) Bids Received<br>Entact LLC - $6,305,095.55<br>Action Environmental, LLC - $6,658,710.00<br>For additional information contact: David King<br><br>The scope of this project is to excavate and dispose of contaminated soils that exceed Florida Department of Environmental Protection (FDEP) Soil Cleanup Target Levels (SCTLs) for arsenic in accordance with the approved off-site soil Remedial Action Plan (RAP) Addendum at Pearl Street Service addition. The contractor will be responsible for the installation of a subsurface stormwater vault for water quality and storage capacity, installation of stormwater routing system to connect upstream culvert to downstream discharge into Hogans Creek. Contractor shall have a GC license and be 40-hr OSHA HAZWOPER certified and adhere to all requirements listed in the technical specification.<br><br>Four potential bidders attended the mandatory pre-bid meeting. Only two met the minimum qualifications. Five (5) addenda were issued answering over 100 questions, mainly focused on drawings and the bid workbook. The bid price is approximately 80% higher than originally estimated due to items added to the workbook during bidding, higher than estimated labor costs, and the addition of a 20% supplemental work authorization (SWA). The bid pricing was compared to other current projects, and deemed reasonable. Entact has performed similar work at JEA, KGS with no issues.<br><br>**DISCUSSION/ACTION:**<br>**DISCUSSION/ACTION PARTICIPANTS:** | | | | | | | | | | | |
| 3 | **Cost Reimbursement Agreement** | **Anheuser-Busch Force Main Relocation and Main Abandonment** | **Vu** | **Anheuser-Busch, LLC** | **$450,000.00** | **$397,000.00** | **$450,000.00** | **$450,000.00** | N/A | Project Completion<br><br>Start Date: 01/16/2025<br>End Date: 03/31/2025 | N/A | **Motion by:**<br>_____<br>**Second by:**<br>_____<br>**Committee Decision:**<br>_____ |
| | Three (3) Bids Received (via Anheuser Busch)<br>For additional information contact: Darriel Brown<br><br>The Large Diameter Pipe Program determined the 24" force main segments SMAIN-089461, SMAIN-089467, and SMAIN-089452, and the 20" force main segment SMAIN-089455 have reached the end of their useful lives and recommended they be abandoned to avoid an unplanned failure. These segments cannot be abandoned until the sewage flows from the Anheuser-Busch (A-B) plant are moved to another point of connection that was installed for this purpose at the 16" force main SMAIN-629934. The cost to reimburse A-B to relocate their point of connection is a necessary expense that will allow JEA to the abandon assets.<br><br>A-B has followed JEA Procurement directives by advertising and awarding to MacAljon, Inc. as the highest evaluated bidder. The Cost Reimbursement Agreement limits JEA's reimbursement to no more than $450,000.00 for the relocation of the sewer point of connection. At this time JEA anticipates that the final cost of the reimbursement including the CEI expenses and the contractor's costs to A-B will be less than the $450,000.00 agreement limit. The $450,000.00 is presented in Appendix B (Page 25) of the agreement and is based on the A-B engineer's estimate of the work.<br><br>**DISCUSSION/ACTION:**<br>**DISCUSSION/ACTION PARTICIPANTS:** | | | | | | | | | | | |

# Consent and Regular Agenda Signatures

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| **Budget** | **Name/Title** _____ |
| **Awards Chairman** | **Name/Title** _____ |
| **Procurement** | **Name/Title** _____ |
| **Legal** | **Name/Title** _____ |

Award #1 Supporting Document 01/16/25

# JEA Awards Agenda
## January 09, 2025
## 225 North Pearl St., Jacksonville, FL 32202 - Hydrangea Room 1st Floor

Teams Meeting Info

## Consent Agenda

The Chief Procurement Officer offers the following items for the JEA Awards Consent Agenda. Any item may be moved from the Consent Agenda to the Regular Agenda by a committee member asking that the item be considered separately. **All items on the Consent agenda have been approved by OGC, Budget and the Business Unit Vice President and Chief**. The posting of this agenda serves as an official notice of JEA's intended decision for all recommended actions for **Formal Purchases** as defined by **Section 3-101 of the JEA Procurement Code**. Please refer to JEA's Procurement Code, if you wish to protest any of these items.

| Award # | Type of Award | Solicitation # & Short Description/Title | VP | Awardee | Funding Source | Business Unit Estimate | Award Amount | Original Award Amount | New Not-to-Exceed | Amendments | Term (Projected) Start Date - End Date | JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Minutes | Minutes from 12/19/2024 Meeting | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2 | Invitation for Bids (IFB) | 1411866848 Construction Services for SR 21 (Blanding Blvd) from Wilson Blvd to Wheeler Ave Watermain Replacement | Melendez | Jax Utilities Management, Inc. | Capital | $2,735,958.00 | $3,374,733.00 | N/A | $3,374,733.00 | N/A | Project Completion<br><br>Start Date: 02/03/2025<br>End Date: 09/16/2025 | Y - 5%<br>Spencer Construction & Engineering, Inc. - $147,000.00 |
| | Advertised: 10/24/2024<br>Opened: 12/3/2024<br>Five (5) Bids Received:<br>Jax Utilities Management, Inc. - $3,374,733.00<br>Callaway Contracting, Inc. - $3,929,351.83<br>Ferreira Construction Southern Division, Inc. - $3,972,984.94<br>T G Utility Company Inc - $3,990,907.00<br>United Brothers Development Corp - $4,183,057.80<br>For more information contact: Ella Bedwell<br><br>FDOT has a project to mill and overlay SR 21 (Blanding Blvd.) from Wilson Blvd. to Roosevelt (FPID 447127-1-52-01) in Duval County, for approximately 9,500 LF. Ahead of FDOT's project JEA W/WW O&M has approximately 2,000 LF of 2" galvanized water mains in the area that it wants to replace as well as removal of 3,890 LF of 4" and 6" asbestos cement water mains and replace with PVC within the FDOT right-of-way. This will be done as a standalone JEA GRID project.<br><br>This project includes removal and construction of water mains, including removal and disposal of 6" AC water main, placing out of service 2" galvanized water mains, construction of 2", 6" and 8" water main, valves, fire hydrants, replacement of water services, sitework, concrete work, asphalt work and other incidental items. This award will enable JEA to complete critical water infrastructure improvements and enhance the roadway conditions in the SR 21 corridor, supporting both local traffic flow and long-term infrastructure needs for the area.<br><br>This work was competitively bid, with JEA deeming Jax Utilities Management, Inc. being the lowest bid and most qualified to perform the work. Upon review, the project team deemed the bid reasonable and in line with current market conditions. The lowest bid submitted was considered to provide significant savings while maintaining the quality and scope required for the project. | | | | | | | | | N/A | | |
| 3 | Invitation for Bids (IFB) | 1411808846 Pearl Street Offsite Remedial Action and Parking Lot | Brooks | Entact, LLC | Capital & O&M | $3,480,200.00 | $5,254,246.29 | N/A | $5,254,246.29 | N/A | Project Completion<br><br>Start Date: 01/27/2025<br>End Date: 08/08/2025 | Y<br>Alpha Envirotech Consultanting, Inc. - $13,600.00<br>Bullard Fence, Inc. - $48,448.23<br>CSI Geo, Inc. - $37,312.86<br>Garmon Trucking, Inc. - $125.037.90<br>Landscape Construction, LLC - $134,195.59<br>Smith Surveying Group - $144,955.27 |
| | Deferred | | | | | | | | | | | |
| 4 | Invitation for Bid (IFB) | 1411880847 IFB Truck 5T EXT Cab Road Tractors | Phillips | Cumberland International Trucks | Capital | $345,000.00 | $318,634.00 | N/A | $318,634.00 | N/A | One-Time Purchase in FY25, One-Time Purchase in FY26<br><br>Start Date: 01/20/2025<br>End Date: 10/02/2025 | N |
| | Advertised: 11/08/2024<br>Responses Opened: 12/17/2024<br>Two (2) Bids Received:<br>Cumberland International Trucks - $318,634.00<br>Tom Nehl Truck Company - $357,466.00<br>For additional information contact: Halley Stewart<br><br>The scope for this solicitation is to select a supplier to provide pricing for the purchase of two (2) Truck 5T EXT Cab Road Tractors for JEA Electric business unit replacement and expansion. JEA expects to take delivery of the first tractor prior to October 1, 2025, and the second tractor should not be delivered until after October 1, 2025.<br><br>Five (5) suppliers were invited to participate in the solicitation. The initial bid due date resulted in only one response, prompting an extension of one week to encourage greater participation. Two (2) responses were received, along with one (1) no-bid submission. We anticipated low participation due to the request for a specific build that is not widely available, resulting in a limited pool of suppliers.<br><br>A comparison of the lowest bidder's pricing with Sourcewell contract pricing for the same tractors demonstrates that the response pricing is more competitive. This request is for the award of a contract to the lowest bidder, Cumberland International Trucks, in the amount of $318,634.00. This amount is 7.6% less than the budget estimate and has been deemed reasonable. | | | | | | | | | | | |

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| 5 | **Piggyback-State Contract** | **Citrix Replacement Hardware, Licensing Upgrade, and Associated 5 Year O&M Agreement** | **Datz** | **Netscaler Network Solutions, Inc** | **O&M and Capital** | **$1,490,000.00** | **$1,665,000.00** | **N/A** | **$1,665,000.00** | N/A | Five (5) Years w/No Renewals<br><br>Begin Date: 01/19/2025<br>End Date: 01/18/2030 | N |
| | For Additional Information Contact:<br>Angel Iosua<br><br>JEA technology standards utilize Citrix products and software that provide secure remote access for users, desktop virtualization, server virtualization, traffic encryption, legacy software lifespan expansion and centralized application deployment to facilitate an anywhere, any device experience. This piggyback request is for the replacement hardware, licensing upgrade, and an associated five (5) year operation and maintenance Agreement. Commitment to a five-year maintenance agreement allows JEA to fix the annual cost for five years at $325,000.00. This request includes transitioning the SOCC hardware to Cloud-Based hardware, necessitating a comprehensive shift in licensing to support the upgrade.<br><br>Due to the necessity of a multi-cloud environment to support JEA's operational needs, the price increased by 8% or a $26,000.00 annual cost increase compared to the previous license purchase. Citrix hardware has reached its end of life, making replacement essential for maintaining operational efficiency. The proposal outlines the allocation of funds as follows: in year 1, an additional $40,000.00 one-time capital cost will cover associated replacement and licensing of Netscaler hardware, ensuring a smooth and uninterrupted transition. For years 2-5, the focus will be on ongoing Operation and Maintenance (O&M) to guarantee that the new hardware and software continue to function optimally, addressing any issues that arise and implementing necessary updates. This comprehensive plan aims to enhance performance, provide better scalability, and improve security, aligning with our long-term IT strategy.<br><br>This award piggybacks off the Texas Department of Information Resources contract (DIR-CPO-4866), with a contract term from November 16, 2022, to November 16, 2027. It also includes a Survival Clause that allows the term of the Purchase Order to extend beyond the contract's expiration or termination for up to three years. DIR issued a solicitation on the Comptroller of Public Accounts' Electronic State Business Daily, Request for Offer (RFO) DIR-CPO-TMP-550, on 12/20/2020, for Cybersecurity Products and Services (the "RFO"). Additional contract information linked here<br>https://dir.texas.gov/contracts/dir-cpo-4866 | | | | | | | | | | |
| 6 | **Renewal/Piggyback-State Contract** | **Cellular Wireless Services** | **Datz** | **Cellco Partnership - d/b/a Verizon Wireless, MCI Communications Services LLC** | **O&M and Capital** | **$5,029,490.73** | **$5,029,490.73** | **$5,921,963.44** | **$11,208,454.17** | 01/03/2025 - $257,000.00 | Three (3) Years w/Two-1 Yr. Renewals<br><br>Begin Date: 01/20/2022<br>End Date: 01/19/2027<br><br>No Renewals Remaining | N |
| | For Additional Information Contact:<br>Angel Iosua<br><br>This is a two (2) year renewal piggyback request with Cellco Partnership - d/b/a Verizon Wireless, MCI Communications Services LLC for Cellular Wireless services in the amount of $5,029,490.73. JEA utilizes various wireless devices, including air cards (mi-fi) and cellular phones, primarily for field personnel. Additionally, there are cellular devices used for MV90 meters, power quality meters, and remote network connections, all of which operate on Verizon monthly access plans. These devices are currently on the Verizon Wireless network, the highest-ranked wireless vendor in the State of Florida, renowned for its proven performance in our service territory during storms and emergencies. Verizon Wireless provides customer service support, network ownership, and maintenance through company-employed personnel, ensuring ongoing reliability and accountability to JEA. The service level agreements in the contract guarantee a high level of service.<br><br>The pricing breakdown details are included in the backup documents. The requested funding covers an average monthly cost of $186,729.33 for FY25 current services which is approximately a 3.7% or $68,661.51 increase from FY24. An anticipated increase of 5-9% each of the following fiscal years is due to new planned services. Additionally, the amount includes a 10% contingency to cover potential additional monthly access plan usage. There is also an estimated annual capital expenditure of $45,000.00 included for new wireless devices. While Verizon's pricing on certain items has decreased, the overall Verizon Monthly Spend has risen due to an increase in the number of devices since the original award in 2022. The current rates will remain fixed and in accordance with the terms of the contract for its duration.<br><br>This award piggybacks off the State of Florida contract DMS-19/20-006C Contract Term: 8/24/2021-8/24/2026. This State of Florida contract includes a Purchase Order and Communication Service Authorization that allows for a Purchase Order to survive the termination of the contract of no more than 36 months. | | | | | | | | | | |

## Consent Agenda Action

| | |
|---|---|
| **Committee Members in Attendance** | **Names** **Ted Phillips, Jody Brooks, Kim Wheeler** |
| Motion by: | Jody Brooks |
| Second By: | Kim Wheeler |
| Committee Decision | Approved |

Award #1 Supporting Document 01/16/25

## Regular Agenda

| Award # | Type of Award | Solicitation # & Short Description/Title | VP | Awardee | Award Amount | Business Unit Estimate | Original Award Amount | New Not-to-Exceed | Amendments | Term | JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded) | Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Request for Proposals (RFP)** | **1411794846 RiverTown - New Storage Tank and Pumping System** | **Melendez** | **CDM Smith, Inc.** | **$1,901,440.00** | **$1,424,205.00** | **N/A** | **$1,901,440.00** | N/A | Project Completion<br><br>Start Date: 02/04/2025<br>End Date: 06/30/2028 | Y<br>Four Waters Engineering - Civil Eng ($193,977.00, 10.5%)<br>Meskel & Associates Engineering, PLLC - Geotech ($74,445.00, 4%)<br>A & J Land Surveyors, Inc. - Survey ($7,875.00, 0.43%)<br>ERS Corp - Environmental ($7,875.00, 0.43%) | **Motion by:** **Jody Brooks**<br><br>**Second by:** **Kim Wheeler**<br><br>**Committee Decision:** **Approved** |

Advertised: 07/11/2024
Opened: 09/10/2024
Eight (8) Responses Received
CDM Smith
Mott MacDonald
Carollo Engineers
McKim & Creed
Mittauer & Associates
Freese and Nichols
Dewberry
H2M Architects + Engineers
Public Evaluation Meeting: 10/21/2024
For additional information contact: Marline McDonald

The scope of work for this contract includes the design and services during construction (SDC) of two, 1.5 million gallon (Mgal) prestressed concrete tanks, in addition to a pump building that includes a pumping capacity of 6,250 gallons per minute (GPM) with allowance to add future pumps to provide another 6,250 GPM for peak delivery capacity totaling 12,500 GPM. This project will utilize a JEA owned 2.64-acre reuse site located along Rivertown Main Street. This project is needed to meet the continued increase of demand for reclaimed water within St. Johns County.

The hourly rates used in this contract are consistent with previous contracts. The fee is approximately 25% higher than originally estimated due to an increased number of hours requested during negotiations for SDC. The fee was compared to previous projects and deemed reasonable.

**DISCUSSION/ACTION:** More information was requested regarding evaluation criteria and how awardee was chosen. Bidders were evaluated, by three evaluators, on design approach, work plan, and company experience. Based on their comprehensive and in-depth response, CD Smith scored first with 261 points. The next two firms scored 255 points and 245 points.
**DISCUSSION/ACTION PARTICIPANTS:** Ted Phillips, Marc Caina

| Award # | Type of Award | Solicitation # & Short Description/Title | VP | Awardee | Award Amount | Business Unit Estimate | Original Award Amount | New Not-to-Exceed | Amendments | Term | JSEB Participation (Y/N) If Y, then list company name(s) (%, $ - awarded) | Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | **Invitation to Negotiate (ITN)** | **1411815446 ITN Miscellaneous Wire and Cable JEA Stock FY25 – FY28** | **Phillips** | **American Wire Group**<br>**Gresco Supply, Inc.**<br>**Southwire Company, LLC**<br>**Stuart C. Irby Company, LLC**<br>**Wesco Distribution, Inc.** | **$44,107.20**<br>**$9,971,250.08**<br>**$29,662,429.35**<br>**$467,957.20**<br>**$755,158.07** | **$50,912,461.47** | **$40,900,901.90** | **$40,900,901.90** | N/A | Three (3) years w/Two (2) 1-Yr. Renewals<br><br>Start Date: 01/23.2025<br>End Date: 01/22/2028 | N/A | **Motion by:** **Jody Brooks**<br><br>**Second by:** **Kim Wheeler**<br><br>**Committee Decision:** **Approved** |

Advertised: 07/29/2024
Opened: 09/10/2024
Six (6) Bids Received
American Wire Group - $45,096,227.16
Gresco Supply, Inc. - $40,982,096.80,
Southwire Company, LLC - $40,590,604.39
Stuart C. Irby Company, LLC - $18,685,957.61
Tri-State Utility Products, Inc. - $45,235,419.16
Wesco Distribution, Inc. - $15,911,694.07
For additional information contact: Lynn Rix

The purpose of this Invitation to Negotiate (ITN) was to evaluate and select a primary and secondary vendor(s) that can provide Wire and Cable for JEA inventory Stock throughout FY25 – FY28 and to determine the best method for JEA to procure the Work with regards to pricing, lead-time, and value-added programs to JEA. Additionally, JEA used this solicitation as a means to explore the business case for transitioning from XLPE cable to EPR cable due to benefits in the field. Historically, the cost has been prohibitive and favorable XLPE contracts created a large disparity. Fourteen (14) of the highest usage items were identified as our core purchases including four (4) key underground items. These were split into a List A to compare proposals between XLPE and EPR. Evaluations were based on pricing, lead-time and value-added programs to JEA and were sorted into three (3) different product grouping scenarios: all XLPE, all EPR, and a hybrid approach of some XLPE and some EPR. It was determined to be in JEA's best interest to award the hybrid grouping scenario which allows for the purchase of EPR for the harder-to-manage large-sized cable where flexibility is paramount for installation. Alternatively, JEA is proposing the 1/0 cable remain XLPE due to its notable cost advantage and smaller diameter that is more malleable. This approach capitalizes on the benefits of EPR where it derives the best value.

As noted above, JEA utilized this solicitation as a vehicle to leverage JEA's volumes and explore the best possible proposals from suppliers to meet JEA's needs. JEA allocated the primary supply contract to the highest evaluated supplier for the four (4) key underground items and elected to choose the lowest overall cost supplier as the primary awardee for the remaining items. This splitting of the grouping instead of splitting of individual items allows JEA and the suppliers greater operational efficiencies. However, both suppliers will be contracted for all fourteen (14) items. Adding a secondary supply source for core items allows JEA to mitigate future supply disruptions which were significant over the past four (4) years, primarily linked to raw materials and labor.

Through the negotiation process, JEA was able to show where price and lead times needed to be further reduced to improve Suppliers' evaluations. This resulted in original proposal lead-times being shortened by approximately 18 weeks to an average of 6.8 weeks in the Best and Final Offer (BAFO). Lead times may be further reduced to 3 to 4 weeks if JEA is able to fully implement the stocking program (SWIM) offered by the Primary awardee. This carries significant value to JEA in carrying costs which JEA will begin realizing upon implementation. Negotiations, supplier base expansion efforts, as well as market stability, were the primary drivers of the notably reduced costs and lead-times obtained in these proposals. JEA realized a 13% savings in the BAFO process from the original bid submittals and an overall savings of 21% or $10M compared to the business estimate (last price paid) --see the attached savings analysis. This savings is spread over the three-year term of the agreement.

The primary contract for eleven (11) of the fourteen (14) highest usage items will be awarded to Southwire Company, LLC in the amount of $23,756,537.72 with a secondary contract to Gresco Supply, Inc. for three (3) items in the amount of $2,639,615.30. This is a 90/10 split of the List A items and some of List B items. For the remaining List B items, contracts will be issued to Gresco Supply, Inc. for $7,331,634.78; Stuart C. Irby Company, LLC for $467,957.20; Southwire Company, LLC for $5,905,891.63, Wesco Distribution, Inc. for $755,158.07, and American Wire Group for $44,107.20.

**DISCUSSION/ACTION:** Clarification was requested as to which supplier is providing what material. This information is broken down in the supporting documents. Going forward a summary of this information will be included on the agenda.
**DISCUSSION/ACTION PARTICIPANTS:** Ted Phillips, Lynn Rix, Kenny Pearson

## Consent and Regular Agenda Signatures

| | | |
|---|---|---|
| **Budget** | **Name/Title** | Stephanie M Kealy |
| **Awards Chairman** | **Name/Title** | Theodore B Phillips |
| **Procurement** | **Name/Title** | |
| **Legal** | **Name/Title** | Rebecca Lavie |

Award #2 Supporting Document 01/16/25

Approved by the JEA Awards Committee

Date: 10/06/2022 Item# 8

# Formal Bid and Award System

Award #8 October 6, 2022

**Type of Award Request:** INVITATION FOR BID (IFB)
**Request #:** 431
**Requestor Name:** Sencer, Justin B. - Mgr WWW Reuse Delivery & Collection Eng
**Requestor Phone:** (904) 665-6826
**Project Title:** Sanitary Sewer Manhole Structural Rehabilitation and Repair
**Project Number:** 175-50S; 175-S
**Project Location:** JEA
**Funds:** Capital
**Budget Estimate:** $10,000,000.00
**Scope of Work:**

JEA is soliciting Bids from construction contractors for the sealing, resealing, coating, repair and rehabilitation, along with any related incidental work, for sanitary sewer manholes located within JEA's service territory, which includes Duval and surrounding counties.

The Company shall provide all equipment, materials, tools, labor, maintenance of traffic, law enforcement, supervision, clean up, debris removal and site restoration required to the perform the work detailed in this solicitation.

All Work shall be done in accordance with the January 2022 Edition of JEA's Water and Wastewater Standards Manual.

**JEA IFB/RFP/State/City/GSA#:** 1410804046
**Purchasing Agent:** Brown, Darriel
**Is this a Ratification?:** No

**RECOMMENDED AWARDEE(S):**

| Name | Contact Name | Email | Address | Phone | Amount |
|---|---|---|---|---|---|
| ENGINEERED SPRAY SOLUTIONS, LLC | Jim Collier | jcollier@ess-1.net | 1306 Banana Road, Lakeland, FL, 33810 | (863) 577-4821 | $4,000,000.00 |
| CONCRETE CONSERVATION, LLC | Gregory Reynolds | greynolds@spectrashield.com | 4527 Sunbeam Road, Jacksonville, FL, 32257 | (904) 786-1120 | $3,000,000.00 |
| VORTEX SERVICES, LLC | Ben Roese | benroese@vortexcompanies.com | 5910 Hartford Street, Tampa, FL, 33619 | (814) 626-0700 | $3,000,000.00 |

**Amount for entire term of Contract/PO:** $10,000,000.00
**Award Amount for remainder of this FY:** $3,350,000.00
**Length of Contract:** Three (3) Years w/Two (2) - 1 Yr. Renewals

Award #2 Supporting Document 01/16/25

**Begin Date:** 10/01/2022
**End Date:** 9/30/2025
**Renewal Options:** Two (2) - One (1) Yr. Renewals
**JSEB Requirement:** N/A – Optional

**BIDDERS:**

| Name | Award Amount |
|---|---|
| ENGINEERED SPRAY SOLUTIONS, LLC | $4,000,000.00 |
| CONCRETE CONSERVATION, LLC | $3,000,000.00 |
| VORTEX SERVICES, LLC | $3,000,000.00 |

**Background/Recommendations:**

Advertised on 08/03/2022. Eight (8) Bidders attended the mandatory pre-bid meeting held on 08/10/2022. At Bid opening on 09/13/2022, JEA received three (3) Bids. JEA determined Engineered Spray Solutions, LLC. (ESS), Concrete Conservation, LLC. and Vortex Services, LLC. are the lowest responsive and responsible Bidders. A copy of the Bid Forms and Workbooks are attached for reference.

The purpose of this solicitation was to contract for broader types of services for the rehabilitation and repair of sanitary sewer manholes beyond the manhole structural coatings services that were previously awarded to ESS. JEA reviewed the bid submissions and determined the best mix of services offered by each supplier that would fulfill JEA's projected needs. JEA is awarding to the budget for Sanitary Sewer Manhole Structural Rehabilitation and Repair and payment for task orders will be based on the unit prices which are attached for reference.

1410804046– Request approval to award contracts to Engineered Spray Solutions, LLC. ($4,000,000.00), Concrete Conservation, LLC. ($3,000,000.00), Vortex Services, LLC. ($3,000,000.00) for continuing services for the Sanitary Sewer Manhole Structural Rehabilitation and Repair Program in the amount of $10,000,000.00, subject to the availability of lawfully appropriated funds.

**Manager:** Sencer, Justin B. - Mgr WWW Reuse Delivery & Collection Eng
**Director:** Scheel, Jackie B. - Dir W/WW Reuse Delivery & Collection
**VP:** Vu, Hai X. - VP Water Wastewater Systems

**APPROVALS:**

Stephen Datz 10/06/2022

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

Stephanie M Healy 10/06/2022

**Budget Representative** **Date**

Award #2 Supporting Document 01/16/25

Appendix B - Bid Forms
1410804046 Sanitary Sewer Manhole Structural Rehabilitation and Repair

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

Company Name: Engineered Spray Solutions LLC

Company's Address: 1306 Banana Road, Lakeland Florida 33810

License Number: CGC 1504067

Phone Number: 863-577-4821 FAX No: _____ Email Address: jcollier@ess-1.net

| BID SECURITY REQUIREMENTS | TERM OF CONTRACT |
|---|---|
| ☐ None required<br>☒ Certified Check or Bond (Five Percent (5%) | ☐ One Time Purchase<br>☐ Annual Requirements<br>☒ Other, Specify - Project Completion |

| SAMPLE REQUIREMENTS | SECTION 255.05, FLORIDA STATUTES CONTRACT BOND |
|---|---|
| ☒ None required<br>☐ Samples required prior to Bid Opening<br>☐ Samples may be required subsequent to Bid Opening | ☐ None required<br>☒ Bond required 100% of Bid Award |

| QUANTITIES | INSURANCE REQUIREMENTS |
|---|---|
| ☐ Quantities indicated are exacting<br>☒ 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<br>☐ 2% 10, net 30<br>☐ Other _____<br>☐ None Offered | |

| ENTER YOUR BID FOR SOLICITATION 1410804046 | TOTAL BID PRICE |
|---|---|
| **Total Bid Price (enter total from cell H23 in the Bid Workbook)** | **$28,753,050.00** |

☒ **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

___1___ through ___2___

Handwritten Signature of Authorized Officer of Company or Agent 9/13/22
Date

James J Collier
Printed Name and Title

**1410804046 Appendix B - Bid Workbook**

**Sanitary Sewer Manhole Structural Rehabilitation and Repair**

(Only complete the Prices in Yellow Cells)

Spec No. column values beginning with "2" refer to a paragraph in the solicitation.
Spec No. column values beginning with "9" refer to SPECIAL CONDITION ITEM 900 SERIES in Appendix A - Technical Specifications.

| | | | | Company name | **Engineered Spray Solutions LLC** | | |
|---|---|---|---|---|---|---|---|
| **Item No.** | **Spec No.** | **Est. Qty.** | **Unit** | **Description** | **Unit Price** | **Annual Extended Price** | **3 Year Extended Price** |
| **1** | **901** | 45 | EA | Mobilization | $12,500.00 | $562,500.00 | $1,687,500.00 |
| **2** | **902** | 4,000 | SF | Surface Preparation - Existing Fiberglass liner | $12.00 | $48,000.00 | $144,000.00 |
| **3** | **903** | 13,000 | SF | Removal of Existing Epoxy or Polyurea Liners | $38.00 | $494,000.00 | $1,482,000.00 |
| **4** | **904** | 120 | EA | Bench and Invert Channel Repair | $1,450.00 | $174,000.00 | $522,000.00 |
| **5** | **905** | 2,235 | GAL | Chemical Grouting Sealing | $195.00 | $435,825.00 | $1,307,475.00 |
| **6** | **906** | 55 | EA | Install/Replace Inside Drop System, <=8" | $1,200.00 | $66,000.00 | $198,000.00 |
| **7** | **906** | 20 | EA | Install/Replace Inside Drop System, >=10" | $1,600.00 | $32,000.00 | $96,000.00 |
| **8** | **907** | 4,000 | SF | Installing Corrosion Inhibiting Coating on New Manhole | $44.00 | $176,000.00 | $528,000.00 |
| **9** | **907** | 7,000 | SF | Installing Corrosion Inhibiting Coating on Existing Manhole | $56.00 | $392,000.00 | $1,176,000.00 |
| **10** | **908** | 54,000 | SF | Install Epoxy, Polyurea or Polyurethane Structural Coating, Minimum Thickness | $80.00 | $4,320,000.00 | $12,960,000.00 |
| **11** | **908** | 63,000 | SF | Install Epoxy, Polyurea or Polyurethane Structural Coating, Additional 0.125-in of thickness | $36.00 | $2,268,000.00 | $6,804,000.00 |
| **12** | **909** | 357 | EA | Manhole Inspection Level 2 with 3D scan and imagery | $325.00 | $116,025.00 | $348,075.00 |
| | | | | **Cash Allowances** | | | |
| | **910** | 1 | LS | Bypass Pumping Service Allowance | $200,000.00 | $200,000.00 | $600,000.00 |
| | **911** | 1 | LS | Maintenance of Traffic Allowance | $200,000.00 | $200,000.00 | $600,000.00 |
| | **2.14.4** | 1 | LS | SWA Allowance | $100,000.00 | $100,000.00 | $300,000.00 |

| **Total Bid Price (transfer total to Page 1 Appendix B - Bid Form)** | **$28,753,050.00** |
|---|---|

Award #2 Supporting Document 01/16/25

Appendix B - Bid Forms
1410804046 Sanitary Sewer Manhole Structural Rehabilitation and Repair

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

Company Name: CONCRETE CONSERVATION, LLC

Company's Address: 4527 SUNBEAM RD, JACKSONVILLE, FL 32257

License Number: CUC 1223874

Phone Number: 904-489-4889 FAX No: 904-419-4898 Email Address: greynolds@spectrashield.com

**BID SECURITY REQUIREMENTS**
- ☐ None required
- ☒ Certified Check or Bond (Five Percent (5%)

**TERM OF CONTRACT**
- ☐ One Time Purchase
- ☐ Annual Requirements
- ☒ Other, Specify - Project Completion

**SAMPLE REQUIREMENTS**
- ☒ None required
- ☐ Samples required prior to Bid Opening
- ☐ Samples may be required subsequent to Bid Opening

**SECTION 255.05, FLORIDA STATUTES CONTRACT BOND**
- ☐ None required
- ☒ Bond required 100% of Bid Award

**QUANTITIES**
- ☐ Quantities indicated are exacting
- ☒ Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

**INSURANCE REQUIREMENTS**

**Insurance required**

| PAYMENT DISCOUNTS | |
|---|---|
| ☐ 1% 20, net 30<br>☐ 2% 10, net 30<br>☐ Other ____<br>☒ None Offered | |

| ENTER YOUR BID FOR SOLICITATION 1410804046 | TOTAL BID PRICE |
|---|---|
| **Total Bid Price (enter total from cell H23 in the Bid Workbook)** | $ 14,269,695.60 |

☒ **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 2

G. Reynolds — 9/9/22
Handwritten Signature of Authorized Officer of Company or Agent — Date

GREGORY REYNOLDS / PRESIDENT
Printed Name and Title

Award #2 Supporting Document 01/16/25

**1410804046 Appendix B - Bid Workbook**

**Sanitary Sewer Manhole Structural Rehabilitation and Repair**

(Only complete the Prices in Yellow Cells)

Spec No. column values beginning with "2" refer to a paragraph in the solicitation.
Spec No. column values beginning with "9" refer to SPECIAL CONDITION ITEM 900 SERIES in Appendix A - Technical Specifications.

Company name: **Concrete Conservation, LLC**

| Item No. | Spec No. | Est. Qty. | Unit | Description | Unit Price | Annual Extended Price | 3 Year Extended Price |
|---|---|---|---|---|---|---|---|
| **1** | **901** | 45 | EA | Mobilization | $1,122.00 | $50,490.00 | $151,470.00 |
| **2** | **902** | 4,000 | SF | Surface Preparation - Existing Fiberglass liner | $15.00 | $60,000.00 | $180,000.00 |
| **3** | **903** | 13,000 | SF | Removal of Existing Epoxy or Polyurea Liners | $12.00 | $156,000.00 | $468,000.00 |
| **4** | **904** | 120 | EA | Bench and Invert Channel Repair | $1,200.00 | $144,000.00 | $432,000.00 |
| **5** | **905** | 2,235 | GAL | Chemical Grouting Sealing | $295.00 | $659,325.00 | $1,977,975.00 |
| **6** | **906** | 55 | EA | Install/Replace Inside Drop System, <=8" | $2,600.00 | $143,000.00 | $429,000.00 |
| **7** | **906** | 20 | EA | Install/Replace Inside Drop System, >=10" | $3,250.00 | $65,000.00 | $195,000.00 |
| **8** | **907** | 4,000 | SF | Installing Corrosion Inhibiting Coating on New Manhole | $26.67 | $106,680.00 | $320,040.00 |
| **9** | **907** | 7,000 | SF | Installing Corrosion Inhibiting Coating on Existing Manhole | $29.62 | $207,340.00 | $622,020.00 |
| **10** | **908** | 54,000 | SF | Install Epoxy, Polyurea or Polyurethane Structural Coating, Minimum Thickness | $37.67 | $2,034,180.00 | $6,102,540.00 |
| **11** | **908** | 63,000 | SF | Install Epoxy, Polyurea or Polyurethane Structural Coating, Additional 0.125-in of thickness | $9.11 | $573,930.00 | $1,721,790.00 |
| **12** | **909** | 357 | EA | Manhole Inspection Level 2 with 3D scan and imagery | $158.60 | $56,620.20 | $169,860.60 |
| | | | | **Cash Allowances** | | | |
| | **910** | 1 | LS | Bypass Pumping Service Allowance | $200,000.00 | $200,000.00 | $600,000.00 |
| | **911** | 1 | LS | Maintenance of Traffic Allowance | $200,000.00 | $200,000.00 | $600,000.00 |
| | **2.14.4** | 1 | LS | SWA Allowance | $100,000.00 | $100,000.00 | $300,000.00 |

| **Total Bid Price (transfer total to Page 1 Appendix B - Bid Form)** | **$14,269,695.60** |
|---|---|

Award #2 Supporting Document 01/16/25

Appendix B - Bid Forms
1410804046 Sanitary Sewer Manhole Structural Rehabilitation and Repair

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

Company Name: Vortex Services, LLC

Company's Address: 5910 Hartford St. Tampa, Florida 33619

License Number: CUC1224939

Phone Number: (813) 626-0700 FAX No: N/A Email Address: benroese@vortexcompanies.com

**BID SECURITY REQUIREMENTS**
- ☐ None required
- ☒ Certified Check or Bond (Five Percent (5%)

**TERM OF CONTRACT**
- ☐ One Time Purchase
- ☐ Annual Requirements
- ☒ Other, Specify - Project Completion

**SAMPLE REQUIREMENTS**
- ☒ None required
- ☐ Samples required prior to Bid Opening
- ☐ Samples may be required subsequent to Bid Opening

**SECTION 255.05, FLORIDA STATUTES CONTRACT BOND**
- ☐ None required
- ☒ Bond required 100% of Bid Award

**QUANTITIES**
- ☐ Quantities indicated are exacting
- ☒ Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

**INSURANCE REQUIREMENTS**

**Insurance required**

| PAYMENT DISCOUNTS | |
|---|---|
| ☐ 1% 20, net 30<br>☐ 2% 10, net 30<br>☐ Other _____<br>☒ None Offered | |

| ENTER YOUR BID FOR SOLICITATION 1410804046 | TOTAL BID PRICE |
|---|---|
| **Total Bid Price (enter total from cell H23 in the Bid Workbook)** | **$21,272,250.00** |

☒ **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 1 through 2

Handwritten Signature of Authorized Officer of Company or Agent — Date: 9/13/2022

Ben Roese – Regional Vice President
Printed Name and Title

**Subcontractor Form**

JEA Solicitation Number 1410804046 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.

| | | | |
|---|---|---|---|
| Marra Services Inc. | Nick Marra (440) 667-0030 | Bid Workbook Lines 8-11 | $4,825,000.00 Annually |
| | | | |
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**1410804046 Appendix B - Bid Workbook**

**Sanitary Sewer Manhole Structural Rehabilitation and Repair**

(Only complete the Prices in Yellow Cells)

Spec No. column values beginning with "2" refer to a paragraph in the solicitation.
Spec No. column values beginning with "9" refer to SPECIAL CONDITION ITEM 900 SERIES in Appendix A - Technical Specifications.

Company name: **Vortex Services, LLC.**

| Item No. | Spec No. | Est. Qty. | Unit | Description | Unit Price | Annual Extended Price | 3 Year Extended Price |
|---|---|---|---|---|---|---|---|
| 1 | 901 | 45 | EA | Mobilization | $5,000.00 | $225,000.00 | $675,000.00 |
| 2 | 902 | 4,000 | SF | Surface Preparation - Existing Fiberglass liner | $22.00 | $88,000.00 | $264,000.00 |
| 3 | 903 | 13,000 | SF | Removal of Existing Epoxy or Polyurea Liners | $40.00 | $520,000.00 | $1,560,000.00 |
| 4 | 904 | 120 | EA | Bench and Invert Channel Repair | $650.00 | $78,000.00 | $234,000.00 |
| 5 | 905 | 2,235 | GAL | Chemical Grouting Sealing | $250.00 | $558,750.00 | $1,676,250.00 |
| 6 | 906 | 55 | EA | Install/Replace Inside Drop System, <=8" | $1,500.00 | $82,500.00 | $247,500.00 |
| 7 | 906 | 20 | EA | Install/Replace Inside Drop System, >=10" | $1,750.00 | $35,000.00 | $105,000.00 |
| 8 | 907 | 4,000 | SF | Installing Corrosion Inhibiting Coating on New Manhole | $50.00 | $200,000.00 | $600,000.00 |
| 9 | 907 | 7,000 | SF | Installing Corrosion Inhibiting Coating on Existing Manhole | $50.00 | $350,000.00 | $1,050,000.00 |
| 10 | 908 | 54,000 | SF | Install Epoxy, Polyurea or Polyurethane Structural Coating, Minimum Thickness | $50.00 | $2,700,000.00 | $8,100,000.00 |
| 11 | 908 | 63,000 | SF | Install Epoxy, Polyurea or Polyurethane Structural Coating, Additional 0.125-in of thickness | $25.00 | $1,575,000.00 | $4,725,000.00 |
| 12 | 909 | 357 | EA | Manhole Inspection Level 2 with 3D scan and imagery | $500.00 | $178,500.00 | $535,500.00 |
| | | | | **Cash Allowances** | | | |
| | 910 | 1 | LS | Bypass Pumping Service Allowance | $200,000.00 | $200,000.00 | $600,000.00 |
| | 911 | 1 | LS | Maintenance of Traffic Allowance | $200,000.00 | $200,000.00 | $600,000.00 |
| | 2.14.4 | 1 | LS | SWA Allowance | $100,000.00 | $100,000.00 | $300,000.00 |

| | |
|---|---|
| **Total Bid Price (transfer total to Page 1 Appendix B - Bid Form)** | **$21,272,250.00** |

Award #2 Supporting Document 01/16/25

# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 2
# PAGE 1 OF 5

MH-018318
Diameter (ft): 4
Depth (ft): 5.3

MH-013016
Diameter (ft): 4
Depth (ft): 8.7

MH-022974
Diameter (ft): 4
Depth (ft): 8.1

MH-058109
Diameter (ft): 4
Depth (ft): 4.2

MH-038234
Diameter (ft): 4
Depth (ft): 3.2

MH-013084
Diameter (ft): 4
Depth (ft): 3.7

MH-033056
Diameter (ft): 4
Depth (ft): 7.4

MH-033062
Diameter (ft): 4
Depth (ft): 4.9

MH-013069
Diameter (ft): 4
Depth (ft): 18.8

PS

HARBOR CAY CT
HARBOUR NORTH CT
BAY HARBOUR DR
LANDS END LA
SAIL POINT LA
SWEET CHERRY LA S
BEACON DR W
WOODSONG LP W
HONEYTREE LA N
HONEYTREE LA E
WOODSONG LP N
WOODSONG LP S
BREAKWATER RW W
BREAKWATER RW S
WOODSONG LP E
SCHOONER CT
HARBOUR ISLAND DR
LEEWARD PT
HARBOUR WOODS RD S
HARBOUR WOODS RD W
RIVER KNOLL DR
PORTSIDE DR
BEACON DR
STARBOARD DR
FT CAROLINE RD
HIDDEN HILLS D
STRATFORD WY
TOURHEAD LA
SNOWDON LA
SPRINGMOOR DR W
SPRINGMOOR SIX
FULTON RD
HARTMAN RD S
HARTMAN RD
JOCELYN RD W
JOCELYN RD
CHARLES BENNETT DR
MORRIS RD
MACLAY CT
ASHLEY MANOR WY
JONATHAN RD
SATURIBA LA
FRANCIS DRAKE DR



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0 0.01 0.03 0.06 Miles

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COBBLESTONE CR S
COBBLESTONE CR E
WALLWORTH CT
ANESWORTH CT
ASHRIDGE DR
CULLENDON LA
APPLESHAW CT
BRACHENBURY LA
MUIRFIELD BV S
MH-058077
Diameter (ft): 4
Depth (ft): 8.5
SOUTHERN HILLS CR W
SOUTHERN HILLS CR E
SOUTHERN HILLS DR
OAKLAND HILLS CT
JUPITER HILLS DR
JUPITER HILLS CR S
JUPITER HILLS CR N
JUPITER HILLS CR E
MEAGHAN CT
LA COSTA CT
MH-038289
Diameter (ft): 4
Depth (ft): 17.4
MT PLEASANT RD
PLEASANT VALLEY DR
HILLANDALE DR
PILAR L

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 2
# PAGE 2 OF 5

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0 0.01 0.02 0.04 Miles

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RALEY CREEK DR E

RALEY CREEK DR N

CHISHOLM TL

PINTO CT

DERRINGER RD

MH-033038
Diameter (ft): 4
Depth (ft): 6.4

MONUMENT RIDGE DR

BROAD OAK DR

OAK PARK DR

SHADOWOOD PARK CR W



# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 2
# PAGE 3 OF 5

Northeast Florida

N

0 0 0.01 0.02 Miles

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 2
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0 0.01 0.02 0.04 Miles

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CAROLINE HILLS DR

LOUISE VALLEY RD

FAWN POINT DR

MERRILL RD

WOMPI DR

DALE VIEW DR

TOPOHILL CT

DALE VIEW LA W

DALE VIEW LA E

MH-025775
Diameter (ft): 4
Depth (ft): 16.4

MILLCOE RD

1555-2 MILCOE AP

1555-1 MILCOE AP

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 2
# PAGE 5 OF 5

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0 0.01 0.01 0.03 Miles

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MARCO BEACH DR

CENTRAL PY

NORTH ENTRANCE RD

REGENT BV

MH-035174
Diameter (ft): 4
Depth (ft): 4.4



# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 1 OF 9

Northeast Florida

0 0.01 0.02 0.03 Miles

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0 0.01 0.02 0.04 Miles

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# VORTEX AREA: 5
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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 3 OF 9

Northeast Florida

0 0.01 0.01 0.02 Miles

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SWILCAN BRIDGE LA S

GLENKERNAN PY

MH-007346
Diameter (ft): 4
Depth (ft): 16

PS

SUMMERWIND LA

MOUNTAIN BREEZE CT S

MOUNTAIN BREEZE CT N

YELLOW STAR LA W

YELLOW STAR LA N



Northeast Florida

0 0.01 0.01 0.02 Miles

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 4 OF 9

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 5 OF 9

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Northeast Florida

0 0.02 0.04 0.08 Miles

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MH-029554
Diameter (ft): 4
Depth (ft): 17.9

MH-059506
Diameter (ft): 4
Depth (ft): 14.2

MH-004527
Diameter (ft): 4
Depth (ft): 12.8

MH-054559
Diameter (ft): 4
Depth (ft): 13

MH-039520
Diameter (ft): 4
Depth (ft): 16.7

MH-063404
Diameter (ft): 4
Depth (ft): 14

MH-029530
Diameter (ft): 4
Depth (ft): 8.4

CHETS CREEK DR S
CHETS CREEK BV
BRIANS CREEK DR
QUINCY BAY DR
HARBORTON DR
CHETS CREEK DR N
CHETS CREEK DR E
SANDWEDGE CT
HUNT CLUB RD
MALLARD POND CT
HUNTLEY MANOR DR
BIGGIN CHURCH RD S
DRAYTON MILL CT
SUMMIT CREEK RD
EASON ISLAND CT
CRICKET COVE RD E
WEXFORD HOLLOW RD E
HODGES BV
VALVERDE CR
CATANIA PL
VALVERDE DR
MONTEBELLO WY
ALESBURY CT
ALESBURY DR
WINDSOR PARK DR W
GLENHURST DR S
GLENHURST DR N
WINDSOR PARK DR N
RICHMOND PARK DR E
RICHMOND PARK DR N
DANFORTH DR
DANFORTH DR W
SAND PEBBLE CT
SANDY CREEK DR
DANFORTH DR S
SEA HAWK ST
OAK TREE TE
EAGLE RIDGE DR
SEA MIST DR
SEA HAWK ST E
OPEN CREEK CT
SEA HAWK ST E
WINDSOR PARK CT
WINDSOR PARK DR E
OAKWOOD PARK LA
WEEPING WILLOW WY
HARBOR CREEK PL
DEER CHASE PL
PS

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 6 OF 9

Northeast Florida

0 0.01 0.03 0.06 Miles

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WATERCHASE WY W

WATERCHASE WY E

HERONS LANDING WY

MH-019527
Diameter (ft): 5
Depth (ft): 7.9

PS

MH-039510
Diameter (ft): 4
Depth (ft): 10.7

BROCKWAY RD

ALDRIDGE RD S

ALDRIDGE RD N

ALDRIDGE ML

BENTWOOD AV

ALDRIDGE RD E

MH-039484
Diameter (ft): 4
Depth (ft): 7.4



Northeast Florida

0 0.01 0.01 0.02 Miles

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 7 OF 9

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 8 OF 9

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Northeast Florida

0 0.03 0.07 0.13 Miles

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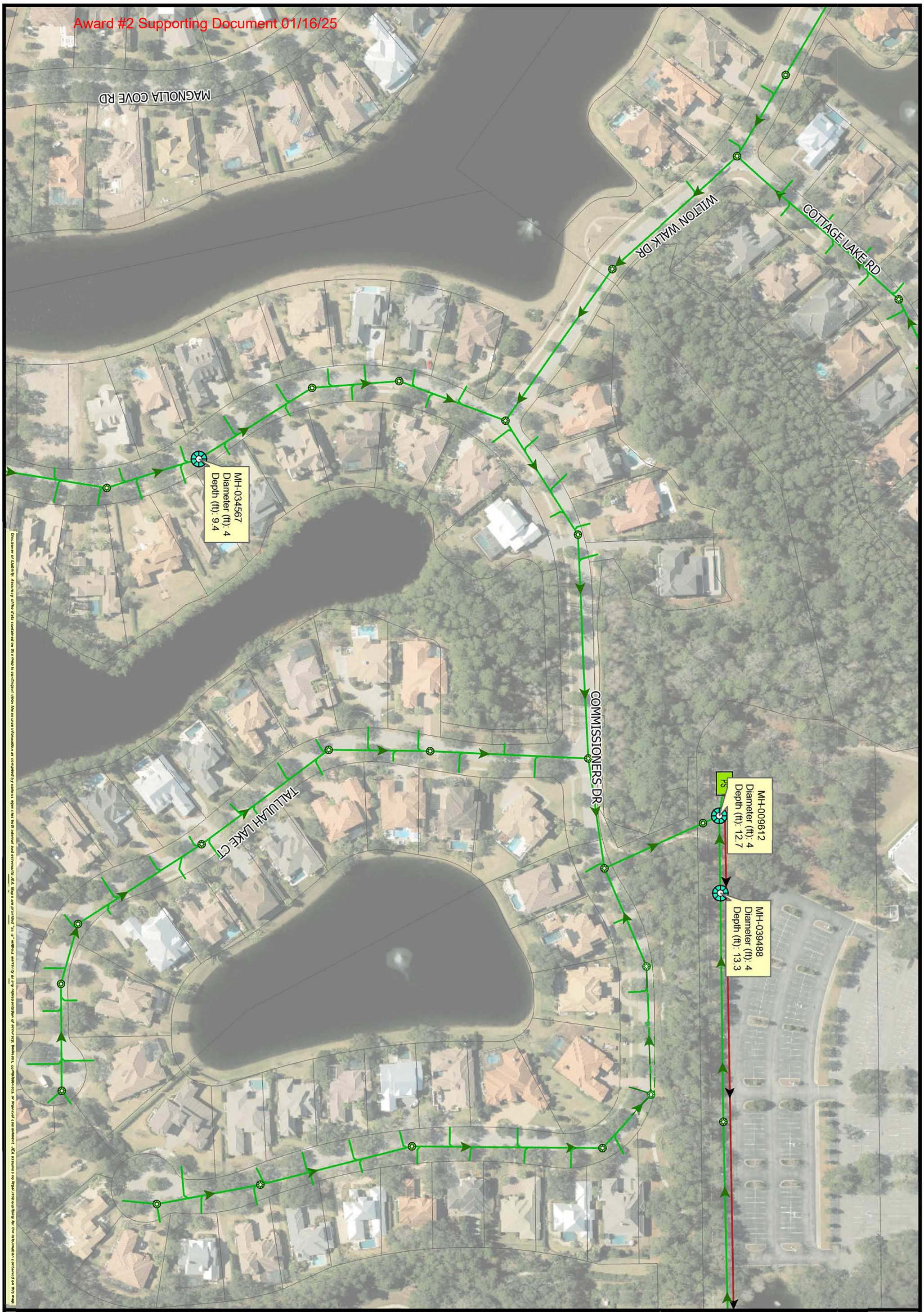




# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 5
# PAGE 9 OF 9

Northeast Florida

0 0.01 0.01 0.03 Miles

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PS

PABLO RD

MH-059874
Diameter (ft): 4
Depth (ft): 3.8

MH-004939
Diameter (ft): 4
Depth (ft): 3.8

MH-059871
Diameter (ft): 4
Depth (ft): 4.1

MH-059876
Diameter (ft): 4
Depth (ft): 4.4

PONTE VEDRA BV



Northeast Florida

0 0 0 0.01 Miles

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 6
# PAGE 1 OF 2

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 6
# PAGE 2 OF 2

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Northeast Florida

0 0.03 0.06 0.12 Miles

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MH-063728
Diameter (ft): 4
Depth (ft): 7.9

MH-039908
Diameter (ft): 4
Depth (ft): 14

MH-039920
Diameter (ft): 4
Depth (ft): 9.6

MH-004977
Diameter (ft): 4
Depth (ft): 7.1

# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 7
# PAGE 1 OF 4

JEA
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Northeast Florida

0 0.04 0.09 0.17 Miles

9/18/2024

MH-057912
Diameter (ft): 4
Depth (ft): 8.1

MH-018105
Diameter (ft): 5
Depth (ft): 8.7

MH-013068
Diameter (ft): 4
Depth (ft): 10.7

MH-018262
Diameter (ft): 4
Depth (ft): 3

MH-013067
Diameter (ft): 4
Depth (ft): 4

MH-048032
Diameter (ft): 4
Depth (ft): 7.4

MH-058039
Diameter (ft): 4
Depth (ft): 8.3

PS

SOUTHSIDE CONNECTOR
MERRILL RD
JANE ST
WOMPI DR
FAWN POINT DR
CAROLINE HILLS DR
BUSINESS DR
BLACK BUCK CP
FALLOW CR
BUSINESS DR
MILLCOE RD
DALE VIEW LA W
DALE VIEW LA E
DALE VIEW DR
TOPOHILL CT
SPANISH BLUFF DR
RIO COVE DR
BROAD WATER CT
BROAD WATER DR
SAYE DR E
SAYE DR
SAYE CT
SUNSET RIVER DR
OLD FT CAROLINE RD
HOLLY OAKS RIVER DR
1555-1 MILCOE AP
295
GILMORE HEIGHTS RD N
LIGHTVIEW LA
VIDUS CT
HAMPTON COVE CT
HAWLEY COVE DR
CAROLINE RIDGE
BRIER LA
RIDGE LA N
CAROLINE RIDGE LA E
UPHILL TE
N 9A EXIT
MP PL DR
GREENWOOD AV
LEE ST
ELLAR CR
ORMOND RD
HOLLY OAKS LAKE RD W
MIRACLE LA
LAKEVIEW RD W
HOLLY OAKS LAKE RD E
HOLLY OAKS LAKE PL
FT CAROLINE RD
LAKEVIEW RD E
SERENA DR
BEVERLY NALLE RD
HEMMING RD
ST JOHNS BLUFF RD N
BUCKRIDGE RD
RALEY RD
EXECUTIVE DR
HIGH RIDGE RD
HOLLY OAKS RAVINE DR
MONUMENT RD
CREEKVIEW DR
CHALLEUX CT
CHALLEUX DR W
CHALLEUX DR S
MATEFIELD RD
PUTNEY CT
DOVER COVE LA
BRENTFIELD RD
ASHBOURNE TL
BRENTFIELD RD W
HEATHFIELD RD
BERKSHIRE LA
HOUNDWELL WY
WHITWORTH CT
MCCORMICK RD
FULTON RD S
RALEY CREEK DR W
RALEY CREEK DR S
MOUNUMENT OAKS DR
SIDE DR
RAVINE
OAK RIDGE DR W
OAK RIDGE DR N
WHISTLEWOOD CT
WINDLACE CT
WINDY OAKS R W
VOGEL CT
ANDREW LA
ROBINS NEST CT
CAROLINE CREST DR
TROTTING HORSE LA
RIFLE RUN RD
JEAN RIBAULT CT
DERRINGER CR N
DERRINGER CR W

# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 7
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Northeast Florida

0 0.1 0.2 Miles

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MH-030699
Diameter (ft): 4
Depth (ft): 3.3

MH-035699
Diameter (ft): 4
Depth (ft): 5.1

MH-045652
Diameter (ft): 4
Depth (ft): 5.8

MH-045643
Diameter (ft): 4
Depth (ft): 8.6

MH-057912
Diameter (ft): 4
Depth (ft): 8.1

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# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 7
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Northeast Florida

0 0.03 0.07 0.13 Miles

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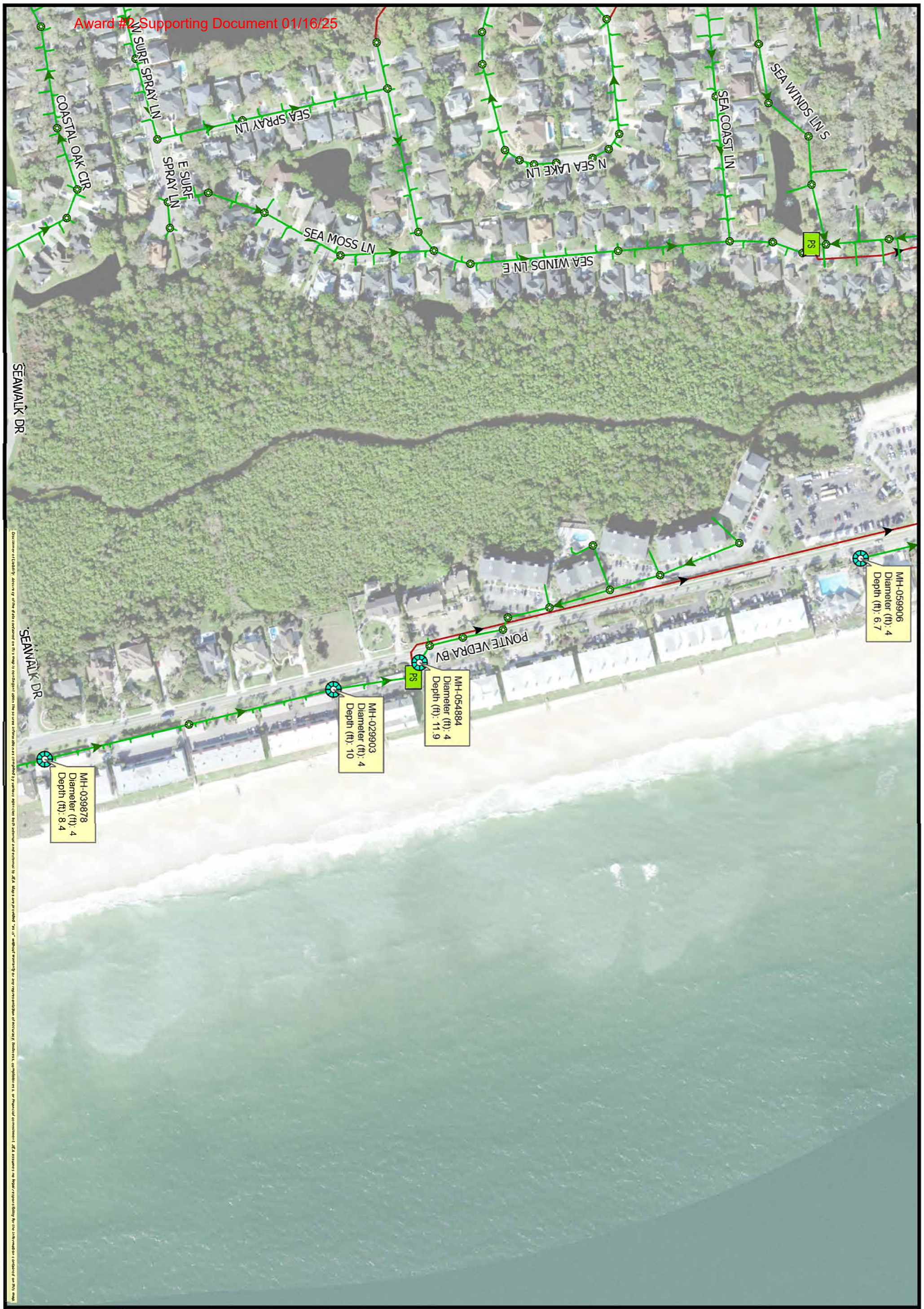




# FY25 MANHOLE REHABILITATION
# VORTEX AREA: 7
# PAGE 4 OF 4

Northeast Florida

0 0.01 0.02 0.04 Miles

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## 1411880446 IFB Streetlight Material for JEA Stock FY25

| JEA Item ID | Vendor Quoted Unit Price | AWARDEE | Three (3) Year Total Estimate | Extended Three (3) Year Price | Award Totals | Last Price Paid | Extention of Last Price Paid |
|---|---|---|---|---|---|---|---|
| BKTSL002 | 173.19 | Gresco | 930 | $161,066.70 | | $163.38 | $151,943.40 |
| BKTSL004 | 387.23 | Gresco | 27 | $10,455.21 | | $405.43 | $10,946.61 |
| BKTSL007 | 380.4 | Gresco | 1872 | $712,108.80 | | $626.76 | $1,173,294.72 |
| BKTSL011 | 264.5 | Gresco | 50 | $13,225.00 | | $240.85 | $12,042.50 |
| BKTSL012 | 106.5 | Gresco | 200 | $21,300.00 | | $99.00 | $19,800.00 |
| BKTSL013 | 65.96 | Gresco | 395 | $26,054.20 | | $72.79 | $28,752.05 |
| POLAL004 | 1535.78 | Gresco | 68 | $104,433.04 | | $1,507.00 | $102,476.00 |
| POLAL006 | 1536.45 | Gresco | 207 | $318,045.15 | | $1,688.73 | $349,567.11 |
| POLFG002 | 2671.85 | Gresco | 24 | $64,124.40 | | $2,367.61 | $56,822.64 |
| STLBA001 | 448.9 | Gresco | 58 | $26,036.20 | | $401.41 | $23,281.78 |
| STLBA002 | 482.95 | Gresco | 20 | $9,659.00 | | $750.00 | $15,000.00 |
| STLLE010 | 255.93 | Gresco | 1480 | $378,776.40 | | $265.75 | $393,310.00 |
| STLLE018 | 258.93 | Gresco | 18 | $4,660.74 | | $264.31 | $4,757.58 |
| STLLE019 | 123.95 | Gresco | 47 | $5,825.65 | | $145.31 | $6,829.57 |
| STLLS006 | 86.3 | Gresco | 52 | $4,487.60 | | $46.91 | $2,439.32 |
| STLRF250 | 267.5 | Gresco | 5 | $1,337.50 | | $314.28 | $1,571.40 |
| POLAL013 | 3784 | Gresco | 11 | $41,624.00 | | $3,345.28 | $36,798.08 |
| STLDE007 | 1541 | Gresco | 15 | $23,115.00 | | $1,197.03 | $17,955.45 |
| STLDE008 | 513.5 | Gresco | 20 | $10,270.00 | | $306.40 | $6,128.00 |
| STLDE009 | 378.4 | Gresco | 16 | $6,054.40 | | $420.74 | $6,731.84 |
| STLDE011 | 151.4 | Gresco | 16 | $2,422.40 | | $134.12 | $2,145.92 |
| STLDE012 | 70.25 | Gresco | 16 | $1,124.00 | | $75.16 | $1,202.56 |
| STLLE022 | 2324 | Gresco | 16 | $37,184.00 | | $2,158.55 | $34,536.80 |
| STLBA003 | 438.29 | Gresco | 39 | $17,093.31 | | $457.45 | $17,840.55 |
| STLLS008 | 286.87 | Gresco | 14 | $4,016.18 | $2,004,498.88 | $15.00 | $210.00 |
| BKTSB0A5 | 175.57 | Irby | 9 | $1,580.13 | | $0.00 | $0.00 |
| BKTSL006 | 554.82 | Irby | 8 | $4,438.56 | | $626.76 | $5,014.08 |
| BKTSL014 | 1247.56 | Irby | 330 | $411,694.80 | | $957.30 | $315,909.00 |
| BKTSL015 | 1434.31 | Irby | 194 | $278,256.14 | | $1,171.83 | $227,335.02 |
| FUSHO003 | 27.73 | Irby | 10877 | $301,619.21 | | $27.82 | $302,598.14 |
| POLAL002 | 1110.63 | Irby | 52 | $57,752.76 | | $1,309.78 | $68,108.56 |
| POLAL007 | 887.9 | Irby | 4 | $3,551.60 | | $2,359.78 | $9,439.12 |
| POLAL008 | 943.4 | Irby | 350 | $330,190.00 | | $1,229.34 | $430,269.00 |
| POLFG001 | 428.27 | Irby | 6025 | $2,580,326.75 | | $455.71 | $2,745,652.75 |
| POLLP001 | 1420.64 | Irby | 2 | $2,841.28 | | $1,373.39 | $2,746.78 |
| STLDE001 | 104.28 | Irby | 1530 | $159,548.40 | | $100.00 | $153,000.00 |

# Award #4 Supporting Document 01/16/25

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| STLDE002 | 115.26 | Irby | 1580 | $182,110.80 | | $109.00 | $172,220.00 |
| STLDE003 | 104.28 | Irby | 1680 | $175,190.40 | | $98.00 | $164,640.00 |
| STLDE004 | 1328.99 | Irby | 225 | $299,022.75 | | $1,275.00 | $286,875.00 |
| STLDE006 | 170.14 | Irby | 1000 | $170,140.00 | | $160.00 | $160,000.00 |
| STLDO005 | 20.31 | Irby | 138 | $2,802.78 | | $25.83 | $3,564.54 |
| STLDO006 | 28.13 | Irby | 40 | $1,125.20 | | $27.50 | $1,100.00 |
| STLLA001 | 10.12 | Irby | 72 | $728.64 | | $5.32 | $383.04 |
| STLLA004 | 11.53 | Irby | 636 | $7,333.08 | | $16.30 | $10,366.80 |
| STLLE003 | 249.97 | Irby | 1215 | $303,713.55 | | $282.72 | $343,504.80 |
| STLLE004 | 242.02 | Irby | 8002 | $1,936,644.04 | | $260.52 | $2,084,681.04 |
| STLLE008 | 806.81 | Irby | 899 | $725,322.19 | | $786.00 | $706,614.00 |
| STLLE011 | 1591.66 | Irby | 906 | $1,442,043.96 | | $1,563.44 | $1,416,476.64 |
| STLLE012 | 257.47 | Irby | 2207 | $568,236.29 | | $300.77 | $663,799.39 |
| STLLE014 | 669.59 | Irby | 612 | $409,789.08 | | $601.00 | $367,812.00 |
| STLLE021 | 603.73 | Irby | 329 | $198,627.17 | | $693.00 | $227,997.00 |
| STLLS007 | 48.83 | Irby | 70 | $3,418.10 | | $36.10 | $2,527.00 |
| STLRF026 | 398.46 | Irby | 17 | $6,773.82 | | $375.00 | $6,375.00 |
| STLRF071 | 323.82 | Irby | 6 | $1,942.92 | | $370.00 | $2,220.00 |
| STLLS004 | 40.7 | Irby | 8 | $325.60 | | $42.87 | $342.96 |
| STLLS005 | 57.41 | Irby | 15 | $861.15 | $10,567,951.15 | $58.23 | $873.51 |
| BKTSL005 | 493.56 | Wesco | 150 | $74,034.00 | | $518.31 | $77,746.50 |
| BKTSL008 | 590.13 | Wesco | 23 | $13,572.99 | | $669.01 | $15,387.23 |
| CNNSL001 | 15.79 | Wesco | 444 | $7,010.76 | | $15.99 | $7,099.56 |
| POLAL003 | 1303.65 | Wesco | 4 | $5,214.60 | | $1,543.66 | $6,174.64 |
| POLAL005 | 2126.61 | Wesco | 27 | $57,418.47 | | $2,110.00 | $56,970.00 |
| STLDO002 | 30.04 | Wesco | 2 | $60.08 | | $25.71 | $51.42 |
| STLLA021 | 26.71 | Wesco | 840 | $22,436.40 | | $31.98 | $26,863.20 |
| STLLA022 | 23.61 | Wesco | 228 | $5,383.08 | | $35.30 | $8,048.40 |
| STLLE002 | 126.2 | Wesco | 5080 | $641,096.00 | | $134.14 | $681,431.20 |
| STLLE016 | 122.58 | Wesco | 42 | $5,148.36 | | $127.00 | $5,334.00 |
| STLLE017 | 134.4 | Wesco | 27 | $3,628.80 | | $165.00 | $4,455.00 |
| STLLE020 | 262.03 | Wesco | 22 | $5,764.66 | | $292.28 | $6,430.16 |
| STLPC004 | 16.09 | Wesco | 30 | $482.70 | | $15.05 | $451.50 |
| STLPC006 | 17.7 | Wesco | 156 | $2,761.20 | | $17.91 | $2,793.96 |
| STLSC001 | 3.35 | Wesco | 50 | $167.50 | | $5.66 | $283.00 |
| STLLA013 | 19.08 | Wesco | 784 | $14,958.72 | $859,138.32 | $13.41 | $10,513.44 |
| STLLA012 | 49 | Tri-State | 2256 | $110,544.00 | | $45.16 | $101,880.96 |
| STLLE005 | 346 | Tri-State | 17 | $5,882.00 | | $272.01 | $4,624.17 |
| STLPC010 | 12.65 | Tri-State | 9768 | $123,565.20 | $239,991.20 | $13.50 | $131,868.00 |
| | | | Total Award | $13,671,579.55 | | Business Estimate | $14,507,235.39 |

| | |
|---|---|
| Quoted unit price: | 13,671,579.55 |
| Last price paid: | 14,507,235.39 |
| Hidden | 14089407.47 |
| Percentage savings | -6% |

January 10, 2025 **Siemens Energy Proposal 25-003 (Summary)**

Mr. Michael Baldwin
JEA Northside 3
4377 Hecksher Drive
Jacksonville, Florida 32226

Subject: **JEA, Northside 3 L-1 Blade Replacement (Summary)**

Dear Mr. Baldwin,

JEA has requested a summary for the scope of work & pricing presented in Siemens Energy Proposal 25-003 to be used in the public review process. This letter makes no modifications or revisions to the existing proposal and is being presented only to satisfy JEA's request.

Please find the scope of work & pricing summary for the Northside 3 L-1 Blade Replacement scopes. Siemens Energy grants JEA permission to use this summary for the public review process.

With kind regards,

Stuart Holland
Account Representative
Siemens Energy Power Systems Sales
4400 Alafaya Trail
Orlando, FL 32828
Tel.: 321-512-5809
Stuart.Holland@siemens-energy.com

## SECTION 1 – SCOPE OF WORK

## SUMMARY SCOPE: L-1 Blade Replacement

**Base Scope 1:** L-1 Blade Replacement (Includes removal of service run blades, procurement of right and left L-1 blades, and installation)

**Siemens Energy, Inc.**


4400 Alafaya Trail
Orlando, FL 32826-2301

## SECTION 2 – PRICING

| Item | Description | 2025 Pricing |
|---|---|---|
| **1** | L-1 Blade Replacement | $1,751,200 |

**Siemens Energy, Inc.**
Siemens Energy is a trademark licensed by Siemens AG.

4400 Alafaya Trail
Orlando, FL 32826-2301

January 13, 2025 **Siemens Energy Proposal 25-001 (Summary)**

Mr. Kendrick Taylor
JEA Northside 3
4377 Hecksher Drive
Jacksonville, Florida 32226

Subject: **JEA, Northside 3 Oil Circulation (Summary)**

Dear Mr. Taylor,

JEA has requested a summary for the scope of work & pricing presented in Siemens Energy Proposal 25-001 to be used in the public review process. This letter makes no modifications or revisions to the existing proposal and is being presented only to satisfy JEA's request.

Please find the scope of work & pricing summary for the Northside 3 Oil Circulation scopes. Siemens Energy grants JEA permission to use this summary for the public review process.

With kind regards,

Stuart Holland
Account Representative
Siemens Energy Power Systems Sales
4400 Alafaya Trail
Orlando, FL 32828
Tel.: 321-512-5809
Stuart.Holland@siemens-energy.com

## SECTION 1 – SCOPE OF WORK

## SUMMARY SCOPE: Oil Circulation

**Base Scope: Oil Circulation**

**Adder: Oil Circulation- Additional Day**

**Adder: IPS Support**

**Siemens Energy, Inc.**


4400 Alafaya Trail
Orlando, FL 32826-2301

## SECTION 2 – PRICING

| Item | Description | 2025 Pricing |
|---|---|---|
| 1 | Oil Circulation | $271,662 |
| | Oil Cirulation- Additional Day | |
| | IPS Support | |

**Siemens Energy, Inc.**
Siemens Energy is a trademark licensed by Siemens AG.

4400 Alafaya Trail
Orlando, FL 32826-2301

Award #6 Supporting Document 01/16/25

Delivery Method:
Email: talem@jea.com

January 6, 2025

Mr. **Mohsen Shojaeion, PE**
JEA Electric System Engineer, Transmission & Substation Projects
225 N. Pearl St., Jacksonville, FL 32202

RE: CCNA Survey Services for Transmission/ Distribution and Substation SN: 1411799447 Rates

Mr. Shojaeion,

SAM Surveying and Mapping is pleased to provide you with the rates for CCNA Survey Services for Transmission/ Distribution and Substation SN: 1411799447. Included are rates for Aerial and drone acquisition and processing for Transmission/ Distribution systems and terrestrial acquisition and processing for substations.

After you have reviewed the attached rates, please do not hesitate to call if you have any questions or comments. Again, thank you for the opportunity to provide this proposal. We are looking forward to working with you on this project.

Sincerely,

Scott Borowski, PS (VA)
Project Manager

**SAM COMPANIES**
9440 Philips Hwy, Suite 7, Jacksonville, FL 32256
904.886.0071 Office / 904.634.8571 Cell

Award #6 Supporting Document 01/16/25

**Surveying And Mapping SAM Rates**
**CCNA Survey Services for Transmission/Distribution and Substation Projects**

| *SubstationTerrestrial Mapping & LiDAR Services Unit Prices | Unit | |
|---|---|---|
| 1) Mobilization Cost (Lump Sum) | $4,500.00 | (per project) |
| 2) Data Capture LiDAR using Leica or Trimble Terrestial scanner. Data Processing for Projects Register scans, extract concrete pads provide microstation file with DTM, concrete pads, and point cloud. | Price Per Square Foot | |
| Project | $0.17 | |
| 3) Additional Data Extraction will be performed per hourly rates. | | |

* All metric are based on certain minimums acreages and miles;
Rates are rough numbers based upon existing contracts with another utility in the region

| *Aerial Mapping & LiDAR Services Unit Prices | Unit | |
|---|---|---|
| 1) Mobilization Cost (Lump Sum) | $18,000.00 | (per project) |
| 2) Data Capture width for Linear Projects (50 Points / Square Meter ): Data Capture of LiDAR & 3" Orthoimagery (500ft corridor), Meterological Data (approx. 10 mile radius) | Price Per Linear Mile | |
| Projects 15 miles or less | $1,689.00 | |
| Projects more than 15 miles and up to 30 miles | $581.00 | |
| Projects more than 30 miles and up to 70 miles | $304.00 | |
| Projects more than 70 miles and up to 120 miles | $148.00 | |
| Projects more than 120 miles | $109.00 | |
| 3) Data Processing for Linear Projects (450ft Wide Corridor): PLS-CADD Model and Microstation | Price Per Linear Mile | |
| Startup Fee | $2,500.00 | (per project) |
| High density features (heavy residential or industrial conditions) | $950.00 | |
| Medium / High density features (suburban conditions) | $750.00 | |
| Medium density features (mix of suburban and rural conditions) | $475.00 | |
| Low density features (rural, agricultural, and forest conditions) | $275.00 | |
| Very Low density features (barren conditions) | $155.00 | |
| Additional data processing cost per hour | $142.50 | |
| 4) Topographic Surveys (50 Points / Square Meter Min.): LiDAR, microstation, 1ft contours | Price Per Acre | |
| Startup Fee | $2,500.00 | (per project) |
| High density features (heavy residential or industrial conditions) | $8.00 | |
| Medium / High density features (suburban conditions) | $4.00 | |
| Medium density features (mix of suburban and rural conditions) | $3.00 | |
| Low density features (rural, agricultural, and forest conditions) | $2.50 | |
| Very Low density features (barren conditions) | $2.00 | |

* All metric are based on certain minimums acreages and miles;
Rates are rough numbers based upon existing contracts with another utility in the region

Award #6 Supporting Document 01/16/25

**Surveying And Mapping SAM Rates**
**CCNA Survey Services for Transmission/Distribution and Substation Projects**

| Drone Aerial Mapping & LiDAR Services Unit Prices | Unit | |
|---|---|---|
| 1) Mobilization Cost (Lump Sum) | $2,000.00 | (per project) |
| 2) Data Capture width for Linear Projects (50 Points / Square Meter ): Data Capture of LiDAR & 3" Orthoimagery (500ft corridor), Meterological Data (approx. 10 mile radius) | Price Per Linear Mile | |
| Projects 1 miles or less | $2,700.00 | |
| 3) Data Processing for Linear Projects (450ft Wide Corridor): PLS-CADD Model and Microstation | Price Per Linear Mile | |
| Startup Fee | $2,500.00 | (per project) |
| High density features (heavy residential or industrial conditions) | $950.00 | |
| Medium / High density features (suburban conditions) | $750.00 | |
| Medium density features (mix of suburban and rural conditions) | $475.00 | |
| Low density features (rural, agricultural, and forest conditions) | $275.00 | |
| Very Low density features (barren conditions) | $155.00 | |
| Additional data processing cost per hour | $142.50 | |
| 4) Topographic Surveys (50 Points / Square Meter Min.): LiDAR, microstation, 1ft contours | Price Per Acre | |
| Startup Fee | $2,500.00 | (per project) |
| High density features (heavy residential or industrial conditions) | $8.00 | |
| Medium / High density features (suburban conditions) | $4.00 | |
| Medium density features (mix of suburban and rural conditions) | $3.00 | |
| Low density features (rural, agricultural, and forest conditions) | $2.50 | |
| Very Low density features (barren conditions) | $2.00 | |

* All metric are based on certain minimums acreages and miles;
Rates are rough numbers based upon existing contracts with another utility in the region

| SUE Services Unit Prices | Unit | |
|---|---|---|
| 1) Mobilization Cost (Lump Sum) | $1,500.00 | (per project) |
| 2) Subsurface Utility Engineering SUE within fence. Grounding grids no included. | Price Per Square Foot | |
| QL"B" | $0.30 | |
| QL"A" $850 per test hole minimum of 5 test holes | $850/ test hole | |

Award #6 Supporting Document 01/16/25



**Appendix B Proposal Form**

**COMPANY INFORMATION:**

COMPANY NAME: Surveying and Mapping LLC

BUSINESS ADDRESS: 9440 Philips Highway, Suite 7

CITY, STATE, ZIP CODE: Jacksonville, FL, 32256

TELEPHONE: 904-634-8571

EMAIL OF CONTACT: scott.borowski@sam.biz

☒ **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".**

**The Company shall submit one electronic copy of the signed proposal documents on the sourcing platform, prior to the Bid Due Date and Time.**

**Company's Certification**

By submitting this Proposal, the Company certifies that the Company 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, 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 Company 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 1 through 1

Patrick A Smith
Digitally signed by Patrick A Smith
DN: C=US, E=psmith@sam.biz, O="Surveying And Mapping, LLC", OU=Executive, CN=Patrick A Smith
Date: 2024.08.06 10:51:21-05'00'

Signature of Authorize Officer of Firm or Agent

August 6, 2024
Date

Patrick A. Smith, Principal/Vice President
Printed Name & Title

512.447.0575
Phone Number

Award #6 Supporting Document 01/16/25



**Appendix B Minimum Qualifications Form**
**GENERAL**

**THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED PROPOSER BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW, AND BE ABLE TO PROVIDE ALL THE SERVICES LISTED IN THIS SOLICITATION.**

**THE PROPOSER MUST COMPLETE THE COMPANY INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE PROPOSER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM.**

**PLEASE SUBMIT AN ELECTRONIC COPY OF THIS FORM AND ANY REQUESTED ADDITIONAL DOCUMENTATION WITH THE BID SUBMISSION.**

**COMPANY INFORMATION**

COMPANY NAME: Surveying and Mapping LLC

BUSINESS ADDRESS: 4801 Southwest Parkway Building Two, Suite 100

CITY, STATE, ZIP CODE: Austin, Texas 78735

TELEPHONE: 512.447.0575

E-MAIL: psmith@sam.biz

PRINT NAME OF AUTHORIZED REPRESENTATIVE: Patrick A. Smith

SIGNATURE OF AUTHORIZED REPRESENTATIVE: Patrick A Smith Digitally signed by Patrick A Smith DN: C=US, E=psmith@sam.biz, O="Surveying And Mapping, LLC", OU=Executive, CN=Patrick A Smith Date: 2024.08.06 10:50:14-05'00'

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Principal/Vice President

Respondent must meet the following Minimum Qualifications to be considered eligible to have its Response evaluated by JEA. Respondent must complete and submit the Minimum Qualification Form provided in this Solicitation. Respondents that are working or have worked for JEA in the past 2 years involving similar work must submit JEA as a reference. JEA reserves the right to ask for additional back up documentation or additional reference projects to confirm the Respondent meets the requirements stated above.

JEA may reject Responses from Respondents not meeting all of the following Minimum Qualifications:

The Proposer must have successfully completed two (2) similar LiDAR survey for transmission and two (2) similar terrestrial LiDAR for substation projects, within the last five (5) years as of the proposal due date.

Any Respondent whose contract with JEA was terminated for default within the last two years shall have its Response rejected.

**LiDAR Survey for Transmission line 1**

Reference Company Name Florida Power & Light Company

Reference Contact Person Name Kola Omosaive

Reference Contact Person Phone Number 480-267-8940

Reference Contact Person E-Mail Address Kola.Omosaiye@fpl.com

Date Work Began/Date Work Complete May 2022 – Jan 2024

Contract Value $430,026

Description of Project SAM provided fixed wing aerial LiDAR, aerial photogrammetry, PLS-CADD design files, topographic and boundary surveying services to aid in the design, right of way acquisition, and construction of an 8 mile, 230kV Gen-Tie Transmission Line in Hendry County, Florida.

On the Caloosahatchee 230kV Gen-Tie, the preliminary route was flown using fixed wing aerial LiDAR and mapped for use throughout the project. SAM then performed boundary surveys for 28 parcels affected by the Gen-Tie route. Once the design had been finalized, SAM prepared 47 exhibits across the 28 parcels in support of acquiring easements for the 75 foot corridor. The exhibits made use of the previously completed boundary surveys to write accurate legal descriptions for the corridor across each parcel. SAM also provided Legal Descriptions and Sketches for Permanent and Temporary Access Easements and Temporary Construction Easements. SAM provided support in condemnation proceedings including the creation of a Key Map to accompany the various exhibits. Once construction began, SAM provided Topographic Surveying services for design for 2 canal crossings. Deliverables included PLS-CADD files, aerial imagery, Civil 3D surfaces, and signed/sealed exhibits. During construction, SAM provided preliminary and final construction staking of right of way alignment and transmission line structures.

Key Staff noted on Org Chart in Professional Staff Experience section.

**LiDAR Survey for Transmission Line 2**

Reference Company Name Dominion Energy

Reference Contact Person Name Emmanuel Padilla, S.I.T.

Reference Contact Person Phone Number 804-219-6991

Reference Contact Person E-Mail Address Emmanuel.Padilla@dominionenergy.com

Date Work Began/Date Work Complete 11/11/2023 – 04/05/2024

Contract Value $435,710

Description of Project SAM provided high density LiDAR combined with high resolution nadir imagery and processing of LiDAR and imagery in connection with fifteen transmission line projects in Q4 2023.

Using a Riegl system, mounted on an aircraft, SAM acquired LiDAR data at a minimum of 25 points per square meter average density and simultaneously collected color imagery to generate 2-inch pixel GSD resolution orthoimagery. Weather data was recorded at 1 minute intervals to allow Design Engineers to perform design calculations that are consistent with industry levels of accuracy and precision and the PLS-CADD modeling requirements. Project deliverables included:

- PLS-CADD Design Model
- Orthomosaic Digital Imagery
- Planimetric CAD Drawings
- GIS Shape Files
- Point Files
- Survey Control Book
- Project Accuracy Report
- Quality Assurance Checklist
- Weather Data (TL 2173 Loudoun to Elklick, TL 295 Elklick to Bull Run, TL 200 265 2051 Bull Run – Clifton & TL 2008 Loudoun to Dulles Sub projects)

Key Staff noted on Org Chart in Professional Staff Experience section

Award #6 Supporting Document 01/16/25



**Terrestrial LiDAR survey for Substation 3D modeling 1**

Reference Company Name Florida Power & Light Company

Reference Contact Person Name Scott Childress

Reference Contact Person Phone Number 512-735-1811

Reference Contact Person E-Mail Address scott.childress@nexteraenergy.com

Date Work Began/Date Work Complete 01/31/23 - 07-24-23

Contract Value $29,000

Description of Project FPL Morris Substation

SAM provided a boundary survey and an as-built survey of all improvements to the Waterway Substation (aka Morris Substation – Seminole Electric Co) in Highlands County, Florida.

SAM was contracted again in January 2023, to provide a boundary survey, and an as-built survey of the substation property and equipment to assist in future designs. SAM crews established control on site based on published monumentation. The survey was captured using conventional survey and 3D laser scanning to quickly, safely capture data without interrupting the operation of the substation. The registered 3D laser scans of the substation were used in ACAD to extract the limits of perimeter fencing, buildings, utility trenches, concrete footers and pads, bottom/top of structures, and point of attachments for all installed cables.

The provided boundary survey was used by FPL to acquire the substation property from Seminole Electric Company.

Key Staff noted on Org Chart in Professional Staff Experience section

Award #6 Supporting Document 01/16/25



**Terrestrial LiDAR survey for Substation 3D modeling 2**

Reference Company Name Glades Electric Cooperative

Reference Contact Person Name Jose M. Cordova

Reference Contact Person Phone Number 863-946-6212

Reference Contact Person E-Mail Address JCordova@GLADESELECTRIC.COM

Date Work Began/Date Work Complete 10/31/22 - 11/18/22

Contract Value $12,300

Description of Project GEC - Lakeport Substation, Highlands County, Florida

SAM provided an existing conditions survey of all improvements and equipment for the Lakeport Substation in Glades, County, Florida.

SAM was contracted October 2022, to provide an existing conditions survey, and as-built survey of the substation property and equipment to assist in future designs. SAM crews established control on site based on published monumentation. The site conditions were captured using 3D laser scanning to quickly, and safely capture data without interrupting the operation of the substation.

The 3D laser scans of the substation were registered to the established control and used in ACAD to extract the limits of perimeter fencing, buildings, utility trenches, concrete footers and pads, and bottom/top of structures. Leica Cyclone Core was used to model steel members of the station equipment. With the combination of modeled objects and registered 3D point cloud, SAM provided GEC with a 2D general layout of the substation, a topographic survey, and 2D cross-sections with dimensions and heights between the structures in the substation.

Key Staff noted on Org Chart in Professional Staff Experience section

Award #6 Supporting Document 01/16/25

Appendix B – Proposal Forms
1411799447 (RFP) CCNA Survey Services for Transmission/Distribution and Substation Projects

## LIST OF SUBCONTRACTORS

JEA Solicitation Number 1411799447 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 |
|---|---|---|---|---|
| Survey | Smith Surveying Group, LLC | Patti Miller 904.759.1904 | LB 8368 LS 6500 | 5% |

Patrick A Smith

Digitally signed by Patrick A Smith
DN: C=US, E=psmith@sam.biz, O="Surveying And Mapping, LLC", OU=Executive, CN=Patrick A Smith
Date: 2024.08.20 15:15:39-05'00'

**Signed:** Patrick A. Smith, Principal/Vice President

**Company:** Surveying and Mapping LLC

**Address:** 4801 Southwest Parkway, Building Two, Suite 100
Austin, TX 78735

**Date:** 8/20/24

Award #6 Supporting Document 01/16/25

Appendix B – Proposal Forms
1411799447 (RFP) CCNA Survey Services for Transmission/Distribution and Substation Projects

**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 1411799447. 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) Dollar Amount | Name of JSEB Contractor (Indicate below) | Percentage of Total Job or |
|---|---|---|
| Survey<br>Unknown Dollar Amount | Smith Surveying Group, LLC | 5% |

Patrick A Smith

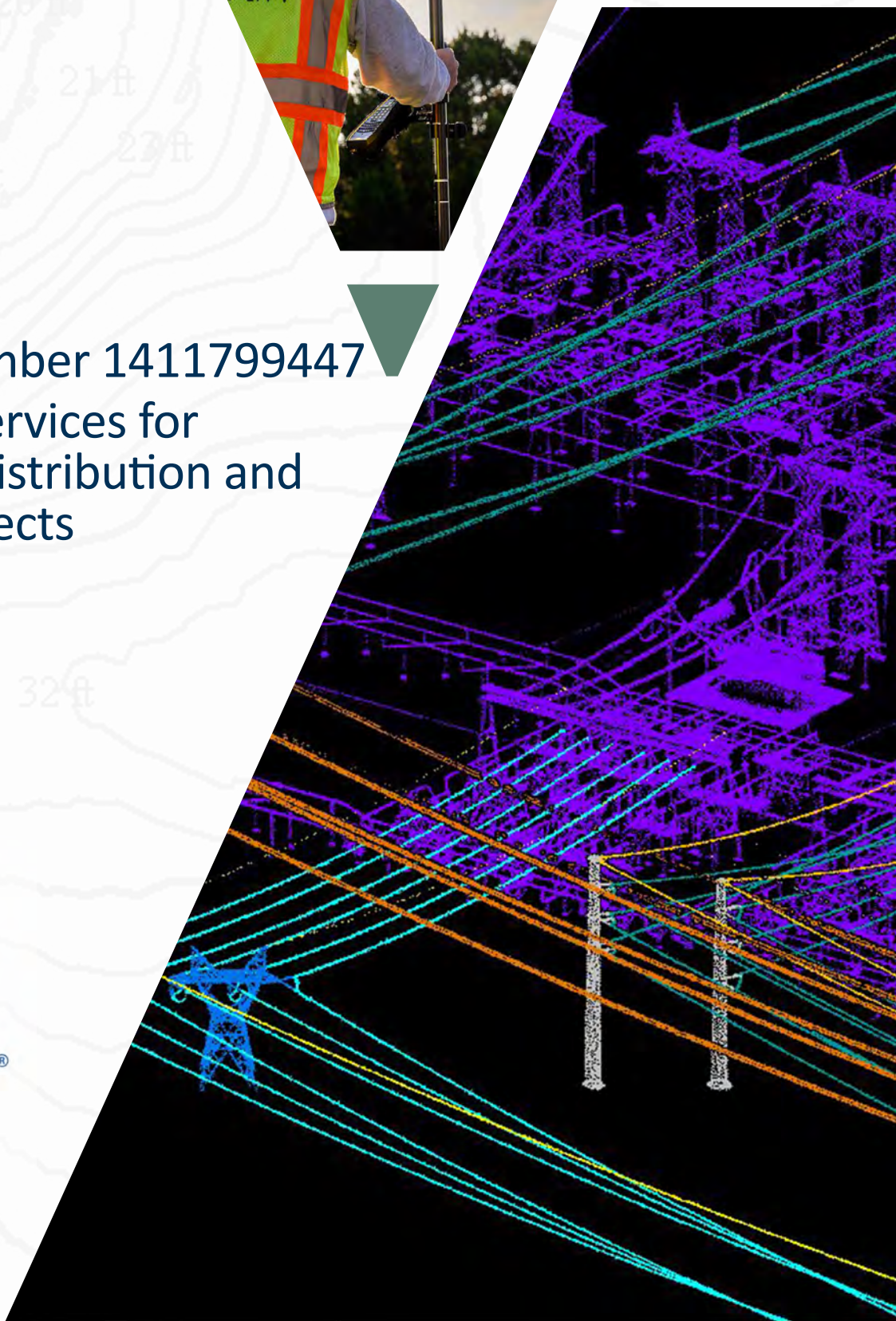
Digitally signed by Patrick A Smith
DN: C=US, E=psmith@sam.biz, O="Surveying And Mapping, LLC", OU=Executive, CN=Patrick A Smith
Date: 2024.08.20 15:16:06-05'00'

**Signed:** Patrick A. Smith, Principal/Vice President
**Company:** Surveying and Mapping LLC
**Address:** 4801 Southwest Parkway, Building Two, Suite 100 Austin, TX 78735
**Date:** 8/20/24

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

Award #6 Supporting Document 01/16/25

SAM™



**Response to:**

Solicitation Number 1411799447

CCNA Survey Services for Transmission/Distribution and Substation Projects

JEA®

# TODD SCHMIDT, LS, PSM, CP

## Project Manager

Mr. Schmidt has 22 years of experience in land surveying and aerial mapping and imagery, ranging from electric transmission and distribution line mapping, to transportation and topographic surveys. As a Senior Project Manager for SAM, he manages a wide range of projects including topographic and design surveys, aerial and mobile LiDAR and high definition laser scanning projects, photogrammetric clients such as city and state governments (public infrastructure projects), school districts and higher education, Texas Department of Transportation, and public utilities, among others. His responsibilities include preparing project scopes, negotiating budgets, overseeing field and office personnel for surveying, aerial and mobile LiDAR, scheduling, quality control, professional certifications, providing estimates, managing budgets, and maintaining client contacts.

**YEARS OF EXPERIENCE**

22

**YEARS WITH SAM**

12

**EDUCATION**

BS, Natural Resources and Environmental Science, Purdue University

**REGISTRATION**

Certified Photogrammetrist, American Society for Photogrammetry and Remote Sensing (ASPRS), # 1609

Professional Surveyor #LS21000224, IN

Professional Surveyor and Mapper #LS6874 FL

**MEMBERSHIPS**

Texas Society of Professional Surveyors

## PROJECT EXPERIENCE

**Palm River, TECO | Pasco County, FL**

Role: Project Manager - supervised aerial LiDAR design and quality for 17 miles of 200' wide corridor of Transmission Line in Pasco County, Florida. Control was established for the route by survey grade GPS methods and 30 ppsm LiDAR, structure obliques, weather data, and 3" orthophoto imagery using helicopter, was acquired using helicopter at approximately 400' above ground elevation. Classification of the LiDAR along with planimetric feature extraction were also performed along the corridor. Deliverables included PLS-CADD files reflecting TECO feature codes, 3-inch resolution digital orthophotography in ECW/EWW format, Structure oblique imagery, aerial orthophoto imagery, Civil 3D surfaces, and accuracy report. (2021)

**Caloosahatchee 230kV Gen-Tie, FPL | Hendry County, FL**

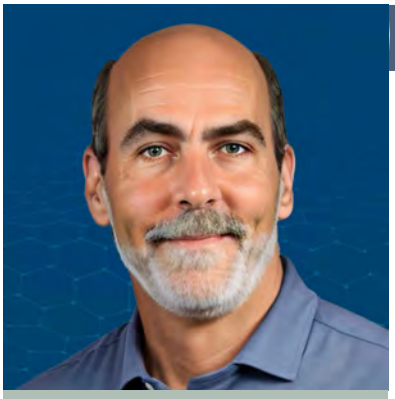
Role: Project Manager - supervised aerial LiDAR design and quality for 8 miles of 75' wide corridor of Transmission Line in Hendry County, Florida. Control was established for the route by survey grade GPS methods and 30 ppsm LiDAR, structure obliques, weather data, and 3" orthophoto imagery using helicopter, was acquired using helicopter at approximately 400' above ground elevation. Classification of the LiDAR along with planimetric feature extraction were also performed along the corridor. Deliverables included PLS-CADD files reflecting TECO feature codes, 3-inch resolution digital ortho-photography in ECW/EWW format, aerial orthophoto imagery, Civil 3D surfaces, and accuracy report. (2024)

**Aerial LiDAR for Design, American Electric Power | TX, OK, AR, and LA**

Role: Project Manager - responsible for project performance oversite, budgeting, schedule and accuracy compliance. Work consisted of 68 task orders that included over 400 ground control points, acquiring LiDAR and vertical photography for 3,100+ flight line miles, acquiring over 37,000 color digital images. SAM simultaneously acquired LiDAR and imagery at 20+ points per meter and 3-inch GSD orthophotos. Oblique structure photos and HD video were also acquired when requested. SAM provided classified .las files, PLS-CADD .BAK files, and weather data for electric modeling and design. (2017)

**Aerial Imagery and LiDAR Mapping | TX, LA, and MS**

Operations Manager responsible for aerial surveys using LiDAR and digital imagery for 438 miles to support Southern Cross Transmission LLC (SCT), in developing the Southern Cross Project, a highvoltage direct current (HVDC) transmission line that will link wind energy in Texas to the transmission grid in the southeast. This project spans across Texas, Louisiana and Mississippi.



# KEITH BOUFFARD, PLS

## Surveyor of Record

Keith Bouffard has over 40 years of experience in surveying. He has worked exclusively with public sector clients, including Federal, State, County, and City municipalities. In this capacity, he supervises survey personnel, manages client communications, performs marketing, and manages survey projects. Keith also works to ensure that adequate resources are available, that the product has been through the quality control process, resolves critical issues as needed, and ensures that clients are satisfied.

**YEARS OF EXPERIENCE**

41

**YEARS WITH SAM**

3

**REGISTRATION**

Professional Land Surveyor No. 5172, Florida

## PROJECT EXPERIENCE

**Circuit 66020 Habana to Juneau | Hillsborough County, FL**
Role: Survey Manager - for this 0.4-mile route, Keith was responsible for right-of-way maps and terrestrial scanning (LiDAR) of all topographic features, including tree canopies and existing cable connection information, were created along N. Habana Avenue from Lorraine Avenue to W. Bird Street, and then east to N. St. Peter Avenue.

**Davis to Wheeler 230kV Transmission Line | Hillsborough County, FL**
Role: Surveyor of Record - the scope of work included photogrammetric control survey, boundary retracement on 90+ TECO owned parcels, jurisdictional and tree surveys, along with locating gopher turtle and eagle nests. The work also included the preparation of legal descriptions and sketches and construction staking on this 13-mile route, crossing six FDOT right-of-ways (I-75, US 301, I-4, US 92, SR 574 and SR 579), a SWFWMD canal, and a CSX railroad right-of-way.

**Pinellas Recreational Trail | Pinellas County, FL**
Role: Project Survey - Mr. Bouffard worked on right-of-way maps, boundary, jurisdictional, and design and control surveys on 52 miles of an old railroad right-of-way that was converted to a recreational trail.

**River City Marketplace | Duval County, FL**
Role; Survey Manager - on this 471-acre multi-use site near Jacksonville International Airport. This project included boundary, jurisdictional, and design surveys, as well as construction layout and as-builts and involved roughly 200 different legal descriptions and sketches.

**City of Saint Augustine/Sebastian Cove | St. Johns County, FL**
Role: Surveyor of Record - this project included horizontal and vertical control surveys, as well as construction staking on a 7.5 mile, 12”- 20” force main along SR 16 that ran east from Stratton Blvd.

**Keene Road | Pinellas County, FL**
Role: Surveyor of Record - for this 4-mile route, Keith oversaw right-of-way maps, control, design, and jurisdictional surveys, as well as different legal descriptions and sketches for right-of-way purchase and easements.

**Royal Lakes Wastewater Treatment Plant Decommissioning Route Study | Duval County, FL**
Role: Survey Manager - project consisted of a corridor routing study from the treatment plant to the designated master lift station site and the northeastern terminus lift station. The study included preparing right-of-way maps, design and control surveys and utility designation and location services.

# ALFREDO A. BERMUDEZ, PSM

## QA/QC Surveyor

Mr. Bermudez has 32 years of surveying and mapping experience in a wide variety of public and private sector projects overseeing field work and quality control for the field work. He is proficient in primary analysis of field data with a strong background in computers and surveying computations. Trains and directs office and field staff in all aspects of project requirements and field procedures including the use of Bentley OpenRoads with TOPODOT, Autocad Civil3D, Trimble Business Center (TBC), Carlson SurvCE, Trimble Access, and other survey related software packages. Mr. Bermudez is trained in the use of Leica scanners and Leica Cyclone software. FARO scanners and FARO Scene software. Expertise in GPS related projects. .

**YEARS OF EXPERIENCE**

32

**YEARS WITH SAM**

6

**EDUCATION**

BS, Surveying and Mapping, University of Florida

**REGISTRATION**

Professional Surveyor and Mapper No. 5578, FL

**MEMBERSHIPS**

Florida Surveying & Mapping Society (FSMS)

American Congress on Surveying and Mapping (ACSM)

Society of American Military Engineers (SAME)

## PROJECT EXPERIENCE

**Florida Power & Light Waterway (Morris) Substation – Highlands County, FL**
Role: Project Manager – SAM provided FPL with a boundary survey and existing conditions survey of the 6-acre site. Survey data was captured with a combination of conventional survey methods, GPS, and 3DS laser scanning.

**DUKE Windermere Substation – Orlando, FL**
Role: Project Manager – Project was phased and consisted of collecting 3D laser scan data for pre-construction and post-construction of for an expansion project to the substation. As part of the pre-construction survey, SAM crews scanned the entire substation to provide an existing conditions survey to assist in the design of the proposed site improvements. SAM SUE crews also designated, marked, and located the underground utilities and grounding grid for the site. An ALTA/NSPS Land Title Survey completed the phase one deliverables. The post-construction survey included the 3D laser scanning of all new improvements, an as-built survey, and an updated ALTA/NSPS Land Title Survey.

**DUKE Radiant Substation – Columbia County, FL**
Role: Project Manager – Project consisted of a ground based as-built survey for the T-Line connection to the substation. SAM crews captured the new substation equipment and structure using 3D laser scanning, The laser scan data was registered to established control, classified to the client's feature code table, and exported to LAS and CSV files for use in PLS-CADD, along with the collected on-site weather data.

**DUKE Ocala Shaw Substation – Marion County, FL**
Role: Project Manager – SAM provided Duke Energy with a boundary survey, tree survey, utility survey, and existing conditions survey of the 8.3-acre site. Survey data was captured with a combination of conventional survey methods, GPS, and 3DS laser scanning. SAM subsurface utility engineering (SUE) crews used GPR to designate underground utilities and the substation grounding grid.

**Florida Power & Light Orsino Substation – Merritt Island, FL**
Role: Project Manager – SAM provided FPL with a boundary survey and existing conditions survey of the 3-acre site. Survey data was captured with a combination of conventional survey methods, GPS, and 3DS laser scanning.

# DAN GINGRICH

## Licensed Pilot

Dan Gingrich is a FAA licensed pilot with over 19years of experience as Pilot In Command, most of it flying single engine aircrafts. Dan currently has 7,163 hours total flight time with no incidents, accidents or violations. Dan is SAM's dedicated pilot in command, flying our owned single engine Cessna Caravan 208b aircraft. His first flight for SAM was for an Aerial LiDAR survey project over 23 miles of Transmission Line in Oklahoma. Since then he has been responsible for the aerial survey collection of LiDAR and imagery for many corridor miles, flying over 800 miles, including overhead lines. Dan has experience with acquisition of aerial LiDAR and photogrammetric image, using transmission lines for Dominion Energy in VA and NC, Florida Power Light and America Electric Power.

He is responsible for coordinating the flight mission, with air-traffic control centers, obtaining clearance to fly over restricted and/or prohibit airspaces, supervising the air-crew. With his experience and knowledge, Dan is responsible for the safety of our aircrew and for the successful collection of our remote sensing data.

**YEARS OF EXPERIENCE**

19

**YEARS WITH SAM**

4

**EDUCATION**

BS, Electrical and Electronic Engineering, North Dakota State University

**REGISTRATION**

FAA Pilot License #3250412

**MEMBERSHIPS**

Wings

**FLIGHT TIME**

Total Time 6988 hrs
Cessna Caravan 208b - 6,580 hrs,
CE-207 & CE-206 - 325 hrs,
Premier I SIC - 233 hrs,
Super Cub seaplane - 25 hrs
Alaska time - 645 hrs

## PROJECT EXPERIENCE

**Lineworks / TECO | Pasco County, FL**
Pilot In Command - responsible for the collection of aerial imagery and LiDAR 17 miles of transmission Lines in Pasco County, FL. Project was performed with collection of 30 ppm LiDAR, 3-inches images and Oblique pictures. Aerial flight was performed with one mission collecting all data simultaneously. Responsibilities included flight planning review, coordinating with ATC, supervision and safety of flight crew, and coordination with field crew support and logistics for setting weather station. (2021)

**Dominion Energy: Aerial LiDAR for PLS-CADD | VA**
Pilot In Command for Aerial LiDAR survey of electric transmission projects, performed for Dominion Energy, simultaneously collecting high density LiDAR point cloud and high resolution aerial imagery for a total of 18 projects, covering about 110 corridor miles in the coast and mountains of VA. The projects were collected with LiDAR density of 50 points per square meters, and 2-in image resolution. Several projects required coordination with the FAA for access into controlled airspace around Washington, DC. (2020- 2021)

**Sunzia Aerial LiDAR | NM, AZ**
Pilot In Command for Aerial LiDAR and Imagery survey of electric transmission projects, performed for a private engineering firm, along 600 miles of overhead line with 1500 feet wide corridor. Aerial flight was designed and collected with 25 points per square meter and 3-in image resolution. Flight acquisition started on 5/10 and was successfully completed on 5/17. (2021)

**GA Power / Dalton Utilities, GA | North Atlanta, GA**
Pilot In Command - responsible for the collection of aerial imagery and LiDAR over 100 miles of transmission Lines in Dalton north of Atlanta. Project was performed with collection of 50 ppm LiDAR, 2-inches images and Oblique pictures of 150+ structures. Aerial flight was performed with one mission collecting all data simultaneously. Responsibilities included flight planning review, coordinating with ATC, supervision and safety of flight crew, and coordination with field crew support and logistics for setting weather stations. (2020)

Key Personnel
Aerial Mapping
Survey/Scanning/SUE

**CLIENT**
JEA

**PROJECT MANAGER**
Todd Schmidt, PSM - T1, T2

**SURVEYOR OF RECORD**
Keith Bouffard, PSM

**PROJECT COORDINATORS**
Scott Borowski, PLS
Thomas Smith, PSM *(JSEB)*

**SURVEY TECHNICIANS**
Troy Murphy
Tim Hodge

**SCANNING COORIDNATOR**
Jeremy Dorminy - S1, S2

**3D SCANNING TECHNICIANS**
Gabe Bermudez
Jonathan Nobles, SIT

**SUE TECHNICIANS**
Chris Minick
Logan Newberry -S1, S2

**SAM Resources includes**
4 survey crews I 3 Sue Crews

**AERIAL MAPPING MANAGER**
Luiz Cortes, PSM, CP - T1, T2

**LICENSED PILOT**
Dan Gingrich - T1, T2

**LIDAR AND IMAGERY AERIAL ACQUISITION**
Robby Jones - T1, T2
Jason Bentley - T1, T2
Edward Markowitch - T1, T2

**LIDAR CALIBRATION**
Matthew Thomas, PLS - T1, T2
Matthew Doty, CP, GISP - T1, T2
Chris Bennett - T1, T2

**OVERHEAD LINES CLASSIFICATION/MAPPING**
Kyle Limerick - T1, T2
Miguel Sanchez - T1, T2
Kevin Williams - T1, T2

**ORTHO PROCESSING & OBLIQUES**
John Braden, CP - T1
Adam Davis - T1

**QA/QC SURVEYOR**
Fred Bermudez, PSM - S1, S2

**METHOD-1 MODELING**
Lead Engineer - Patrick Blanco - T2

**SAFETY COORDINATOR**
Nate DuPaul, CSP, NRP

**REFERENCE LEGEND**

**Transmission Reference 1:** *Caloosahatchee (T1)*
**Transmission Reference 2:** *Dominion Aerial (T2)*
**Substation Reference 1:** *GEC Lakeport (S1)*
**Substation Reference 2:** *FP&L Morris (S2)*

## PROJECT APPROACH

To complete assigned projects successfully and on time; SAM, LLC is committing our company-wide resources in support of this contract, as necessary, under the direction of our experienced Florida Professional Surveyor And Mapper in responsible charge as Project Manager, a team of skilled Geospatial technicians, specifically trained in LIDAR survey used to develop 3-D PLS-CADD data for transmission right of way vegetation management and for design of existing and future overhead transmission line projects.

This project approach section outlines our work plan showing the cost effectiveness of our proposed approach, addressing foreseen issues, such the compressed milestone schedule and management of large dataset, through adopted quality assurances procedures, with innovative and creative solutions, using our own resources, with all work done in the United States. SAM's workflow for LiDAR processing is based on use of TerraSolid and all its modules (TerraScan, TerraMatch, TerraPhoto), with all files managed by GeoCue software.

With resources and offices in many States, we have successfully worked on similar projects in recent years, for a variety of other Utility companies in the southeast and throughout the United States. SAM is well positioned to perform the work with the proposed schedule. We consistently deliver one to four thousand miles of PLS-CADD transmission lines every year with ability to deliver near 400 miles per month. Currently our workload to the end of year, indicates that we will be able to execute this project within proposed schedule.

**Project Understanding:** SAM has reviewed this JEA's Solicitation for Professional Services For Participation in CCNA Survey Services for Transmission/Distribution and Substation Projects and has prepared this proposal based on our understanding of all requirements as listed in the "1411799447 Appendix A – Scope of Work Survey Services for Transmission/Distribution and Substation Projects.docx" and its addendums. We understand JEA is looking for a reliable firm that can complete all surveying, and LiDAR services needed for Distribution/Transmission and Substations facilities. JEA will require the successful bidder to perform all surveying including aerial LiDAR, digital orthophotography for use in PLS-CADD for distribution/ transmission line projects, terrestrial LiDAR for Substation 3D modeling 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.

**Scope of Services Distribution/Transmission:** SAM shall perform a LiDAR survey to be used in developing PLS-CADD models. LiDAR survey of the distribution/transmission line project along with modeling so that JEA will have access to a PLS-CADD model for the project.

Project requires distribution/transmission line to be surveyed along the JEA Transmission Project Design Engineer approved corridor. SAM's aircraft, LIDAR equipment, cameras, GPS antenna, and all other non-standard equipment or devices shall be installed and operated according to current FAA regulations and guidelines. SAM's LiDAR Sensor will collect up to **8 observations (returns) for each laser pulse**. One recorded observation must be the last return. SAM will **record a laser intensity value for each recorded observation**. SAM will always operate under eye-safe conditions with an automatic shut-off if the eye-safe criteria is not met at any time during flight.

SAM will collect GPS base station data during the flight for use in post processing and must be located on a control point with published coordinate values. The Aerial survey mission will begin and end within **20 kilometers** of control point with GPS base station. Distance from base station will not exceed **50 kilometers** at any time during the flight. A continuously operating reference station (CORS) may be used in place of a standard GPS base station if it efficiently meets JEA's needs for quality.

Ground control, ground-truthing, aerial targets and/or photo-identifiable (PID) points will be set and surveyed along the corridors at a maximum distance of ten **(10) miles** between control points. Near each visible control point (target or PID), **five (5) ground-truthing points** shall be surveyed on hard surfaces or in open, low-grass areas. At a minimum control points will be an iron rod with cap set flush with the ground, or a nail with disk when setting in hard surfaces. All control will bear the registration number of the licensed surveyor or survey business. The absolute positional accuracy of the values reported for control points will be within **0.15 feet horizontally**, and **0.20 feet vertically**, at a **95% confidence interval**.

All survey data shall be referenced to: Florida State Plane Coordinate System East Zone (901), North American Datum of 1983 (2011) NAD83(2011) and North American Vertical Datum of 1988 NAVD88. All survey values will be in U.S. Survey Feet. LiDAR mapping corridor approved by JEA Transmission Project Design Engineer prior to data acquisition, will meet the following minimum requirements:

LiDAR data shall be acquired along the corridor with a minimum width of **450 feet**. LiDAR data shall be feature-coded to a width that covers the **open corridor plus 50 feet** into the adjacent tree line. Relative horizontal and vertical accuracies of the LiDAR point data shall be **0.30 feet at 95% confidence** interval or better. Absolute horizontal and vertical accuracies of the LiDAR point data shall be **0.30 feet at 95% confidence** interval or better, as compared to field-surveyed ground control and ground-truth data. SAM shall feature-code the LiDAR data. The feature code file (*.fea) shall be provided to the consultant by JEA.

The Weather data will be collected for the as-built LiDAR survey. Weather data must be collected during the times of LiDAR

data acquisition. Weather stations must be **ground-based** and placed **within the corridor** being surveyed. Weather stations should be no more than **ten (10) miles from any point on the transmission lin**es being surveyed and/or a **minimum of two (2) stations per circuit**. Weather data shall be recorded in 1-minute intervals and include: Date in local format (MM-DD-YYYY), Time in local Eastern Time (ET), Ambient Temperature (°F), Wind Speed (feet per second) Wind Direction (compass referenced such as N, SE, WNW or with a heading), Solar Radiation (watts per foot squared) SAM will submit a weather report that includes one line of weather data for each span of conductor, to include the items listed above in along with the "from" and "to" structure number to define the conductor spans. Structure numbers shall be based off the proposed design.

**Scope of Services Substation:** SAM will perform Structural LiDAR scans of subject substation, create of a point cloud for the subject substation yard, Surface reconstruction and grouping into components, Development of cells to replicate field elements, import of data into 3D Bentley Open Utilities environment, identify the size (diameter) of existing conductors, along with size (diameter) of strain and rigid bus. JEA requires that all cells created during the project be available to be stored and utilized in future 3D projects. All point cloud data, drawings, and associated electronic files, including any cell elements and/or part elements developed during this work shall be the property of JEA and delivered to 225 N Pearl St, Jacksonville, FL 32202 by a provider representative.

## PROJECT PLAN

**Mr. Todd Schmidt, PSM**, is being assigned as Manager of Aerial tasks for this project. Mr. Schmidt is a FL Professional Surveyor and Mapper, with over 22 years of experience in surveying and aerial mapping for transmission and distribution lines. At SAM, he manages a team of nearly 100 Geospatial professionals and technicians at SAM, using state of art equipment and software; providing high accuracy surveying and mapping for our clients in the power, utilities, transportation, infrastructure, municipal and federal markets. Supervision of client management, project budget, professional training and development to best serve our clients, with the goal of exceed expectations. We use manned and unmanned aerial and terrestrial Lidar and photogrammetric systems for survey projects around entire United States. Mr. Schmidt will prepare a project plan using the alignments, specifications and information collected from JEA. At kick off meeting and will assign a team of technicians for each task, as outlined in our technical approach. Based on availability of our resources, project schedule, length and location of all circuit lines, SAM will prepare a project budget, and allocate resources that can meet required timeline. Immediately following contract signature, SAM will prepare a flight layout and control plan, accompanied with planned locations of weather stations. Plan will be reviewed by JEA Project Designer Engineer for approval before mobilization.

**Project Plan and Manpower Estimates:** Upon receipt of JEA RFP or tasking, SAM prepare a manpower estimate, schedule and work plan for the project that recommends the best method for JEA to procure the Work with regards to pricing, quality, design, and workmanship. The below work plan and manpower estimates assume a new 10-mile Transmission line. Actual project work plan and manpower estimate will be provided to JEA provided specifications.

| JEA Distribution/Transmission Survey Work Plan | | |
|---|---|---|
| **Task** | **Description** | **Project Required** |
| Workplan | Develop and Submit Work plan to JEA Project Design Engineer and coordinate acccess | X |
| Research | Aquire deeds and as-builts from JEA real Estate, JEA portal, and City | X |
| Deed composite | Compile data to provide to SUE and Survey crews | X |
| Control Survey | Set minimum iron rod / cap set flush with the ground, or a nail with disk when setting in hard surfaces bearing the registration number of the licensed surveyor or survey business. | X |
| | Redundant GPS observations to (CORS), NGS Monuments, NAD 1983 (2011) | X |
| | Aerial targets and/or photo-identifiable (PID) points must be set and surveyed along the corridors at a maximum distance of ten (10) miles between control points. Near each visible control point (target or PID), five (5) ground-truthing points shall be surveyed. | X |
| | Elevations set by bench run (level loop) from primary control using electronic digital level. NAVD88 (Geoid18) | |
| | Survey report certifying to the survey methods and accuracy of the control points. Report shall list of all survey control and ground-truthing points with N/E/Elev/ Description. | |
| Aerial Data Acquisition | Flight & Control Planning | X |
| | Data Acquisition | X |
| | Weather Data Acquisition | X |
| | Weather report that includes one line of weather data for each span of conductor (See section 2.1.9) | |
| | Data Registration | |
| | Lidar and Imagery Processing | X |
| Topographic survey | Topographical survey to be picked up as specified by JEA Project Design Engineer | |
| Tree Survey | species, location, and trunk caliper of tree as specified by JEA Project Engineer | X |
| Wetland Survey | Locate wetland flags as specified by JEA Project Engineer | |
| Improvement Survey | Locate physical improvements within Substation including structure ID points | |
| Boundary & Section corners location | Locate Boundary & Section corners as required to depict R/Ws, parcel boundaries, & prepare acquisition parcel legal descriptions | X |
| Underground Facility Locates | coordinate with JEA representative to gather all JEA as-built data prior to commencement | X |
| | ASCE Quality Level B survey as specified by JEA Project Engineer | X |
| | ASCE Quality Level A survey as specified by JEA Project Engineer | X |

| JEA Distribution/Transmission Survey Work Plan | | |
|---|---|---|
| **Task** | **Description** | **Project Required** |
| Predesign file | Draft pls-cadd backup file(*.bak) | |
| Deliverable compilation/ QAQC | Cad, One (1) final as-built pls-cadd backup file(*.bak) , compilation, QAQC, sign and seal deliverables required | X |
| Deliverables | Survey control report | |
| | Weather report | X |
| | One (1) final as-built pls-cadd backup file(*.bak) | X |
| | Georeferenced, registered, colorized point cloud in MicroStation format | X |
| | Exported file types - E57, POD | X |
| Structure Stake out | Stake out structures per JEA Project Design Engineer | X |
| Structure SUE clearances | SUE Clearance of structures per JEA Project Design Engineer | X |
| As-built Aerial Data Acquisition | Flight & Control Planning | X |
| | Data Acquisition | X |
| | Weather Data Acquisition | X |
| | Weather report that includes one line of weather data for each span of conductor (See section 2.1.9) | X |
| | Data Registration | X |
| | Lidar and Imagery Processing | X |
| Deliverable compilation/ QAQC | Cad, One (1) final as-built pls-cadd backup file(*.bak) , compilation, QAQC, sign and seal deliverables required | X |
| Final Deliverable | One (1) final as-built pls-cadd backup file(*.bak) | X |

| JEA Distribution/Transmission Survey Schedule | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Task** | **Month 1** | **Month 2** | **Month 3** | **Month 3** | **Month 4-6** | **Month 7-9** | **Month 10** | **Month 11** |
| JEA Coordination & Workplan | ■ | | | | | | | |
| research & deed composite | | ■ | | | | | | |
| Control & ACQUISITION SURVEYS | | ■ | | | | | | |
| Topo, improvement, wetlands, & tree surveys | | ■ | ■ | | | | | |
| Underground Facility Locates | | ■ | ■ | | | | | |
| Data compilation, extraction, & drafting | | | | ■ | | | | |
| Reports, QAQC, & Sign and seal | | | | ■ | | | | |
| JEA Design | | | | | ■ | | | |
| Staking and Clearence SUE | | | | | | ■ | | |
| Control & ACQUISITION SURVEYS | | | | | | | ■ | |
| Delivery | | | | | | | | ■ |

| JEA Distribution/Transmission Survey Manpower Estimate | | | |
|---|---|---|---|
| **Task** | **Staff Manhours** | **Crew Hours** | **Project Manager** |
| JEA Coordination & Workplan | | | 8 |
| research & deed composite | 16 | | 8 |
| Control & Acquisition Surveys | 16 | 20 | 4 |
| Topo, improvement, wetlands, & tree surveys | 16 | 20 | 4 |
| Underground Facility Locates | 40 | 400 | 24 |
| Data compilation, extraction, & drafting | 200 | | 10 |
| Reports, QAQC, & Sign and seal | 20 | | 20 |
| JEA Design | | | 4 |
| Staking and Clearence SUE | | 880 | |
| Control & ACQUISITION SURVEYS | 16 | 20 | 4 |
| Delivery | 80 | | 24 |
| **Totals** | **404** | **1340** | **110** |

The below work plan and manpower estimates assume a new medium substation. Actual project work plan and manpower estimate will be provided to JEA based on task order specifications.

| JEA Substation Survey Work Plan | | |
|---|---|---|
| **Task** | **Description** | **Project Required** |
| Workplan, | Develop and Submit Work plan to JEA Substation Project Design Engineer | X |
| Research | Aquire deeds and as-builts for JEA real Estate, JEA portal, and City | X |
| Deed composite | Compile data to provide to SUE and Survey crews | X |
| Control Survey | Set minimum 2 primary (reference) control points, minimum (3) secondary control points | X |
| | Redundant GPS observations to (CORS), NGS Monuments, or traverse loop NAD 1983 (2011) | X |
| | Elevations set by bench run (level loop) from primary control using electronic digital level. NAVD88 (Geoid18) | |
| Scan Substation | Structural LiDAR scans utilizing most efficient devices to achieve requirements | X |
| | Identify Identify and size conductors, strain, and rigid bus | X |
| | Register point cloud | X |
| | Extract data or 3D modeling extracting cells to replicate field elements | X |
| Topographic survey | Topographical points to be picked up on a 20' grid within the limits of the survey area | |
| Tree Survey | species, location, and trunk caliper of tree. | |
| Wetland Survey | Locate wetland flags if applicable | |
| Improvement Survey | Locate physical improvements within Substation including structure ID points | X |
| Underground Facility Locates | coordinate with JEA representative to gather all JEA as-built data prior to commencement | X |
| | ASCE Quality Level B survey | X |
| | ASCE Quality Level A survey | X |
| Deliverable compilation/ QAQC | Cad, microstation, compilation, QAQC, sign and seal deliverables required | X |
| Deliverables | 2D CAD drawings created from the point cloud | |
| | 3D MicroStation v8i Drawings from the terrestrial field scans | X |
| | Scan Registration report with Classified point cloud | X |
| | Georeferenced, registered, colorized point cloud in MicroStation format | X |
| | Exported file types - E57, POD | |
| | If requested, a Virtual Walk-Through | |

| JEA Substation Survey Schedule | | | | |
|---|---|---|---|---|
| **Task** | **Week 1** | **Week 2** | **Week 3** | **Week 4** |
| JEA Coordination & Workplan | | | | |
| research & deed composite | | | | |
| Control & scanning surveys | | | | |
| Topo, improvement, wetlands, & tree surveys | | | | |
| Underground Facility Locates | | | | |
| Data compilation, extraction, & drafting | | | | |
| Reports, QAQC, & Sign and seal | | | | |

| JEA Substation Survey Manpower Estimate | | | |
|---|---|---|---|
| **Task** | **Staff Manhours** | **Crew Hours** | **Project Manager** |
| JEA Coordination & Workplan | | | **2** |
| research & deed composite | **4** | | **2** |
| Control & scanning surveys | **4** | **28** | **6** |
| Topo, improvement, wetlands, & tree surveys | | | |
| Underground Facility Locates | **3** | **30** | **6** |
| Data compilation, extraction, & drafting | **64** | | **6** |
| Reports, QAQC, & Sign and seal | **2** | | **4** |
| **Totals** | **77** | **58** | **26** |

## Survey Control Activities

SAM is subcontracting to a local surveying firm, based in Jacksonville, to perform all the field survey work. One of our survey managers from our Florida office will coordinate with Smith Surveying Group LLC for location of targets and for the survey of control points where needed. Mr. Thomas Smith, PSM; will have his team of surveyors on site to provide the required ground control survey. The following ground survey support services will be required:

- Aerial target ground control locations along the length of the project corridor will be surveyed, being no further than 10 miles apart.
- Horizontal and vertical control will be established using GPS with a tolerance of +/- 0.1 feet in the horizontal and +/- 0.2 feet vertical.
- Five (5) ground-truthing points will be surveyed between ground control points, on hard surfaces or in open, low-grass areas, for use as checkpoints.
- SAM plans to make use of the Florida Permanent Reference Network (FPRN) where available, within 20 km radius distance to the flight mission. Where FPRN station is not available, a base station will be set to support the post processing of the aerial LIDAR and imagery data
- Redundant GPS base station data will be collected during the flight for use in post processing and will be located on a control point with published coordinate values.
- The project horizontal datum will be relative to the East Zone (901) of the Florida State Plane Coordinate System, North American Datum 1983 (NAD83), US Foot. The vertical datum will be relative to the North American Vertical Datum of 1988 (NAVD88) using the National Geodetic Survey (NGS), most recent Geoid.
- Where multiple crews are required, SAM will add its own field survey resource, led by Mr. Chad Turner from our Tallahassee office, to make sure all tasks are performed on time, to avoid any delay in the proposed schedule.

During the aerial flights, SAM will need to set weather stations within 10-miles radius. The 617 circuit miles to be flown, will require the use of multiple field crews at corridor sites on the day and time when the flight is being conducted to set the weather stations at specific required locations. In order to save costs, our approach is to mobilize the survey team the day before we plan to start aerial acquisition. The field survey team will start survey work, and will have GPS base stations and weather stations running at same time of the flight, while collecting GPS data for needed control points.

**One Flight. One Pass. All Data Captured:** SAM technical approach is for the use one of its multi-sensor platforms. We have the option of using a Riegl VQ-480ii sensor, flying at 800 feet above ground, simultaneously collecting LiDAR and the require Nadir RGB images and Oblique structure pictures, along the entire corridor. SAM has also developed a system that will allow us to alternatively and more efficiently use a fixed wing aircraft, with one of our state-of-art Riegl VQ-1560ii, which is designed with dual scanner power, and with two scanners, allowing a 3D point cloud 4 times denser, when compared to other sensors in the market. Our system is combined with a RGB and IR camera as well oblique cameras facing forward and backward, that allow 60-ppm LiDAR density, 2-in image resolution and structure Oblique images at an altitude of 2,200 feet, covering a swath of 2,100'. Our solution will allow for saving significant cost in the acquisition phase, when flight mission will be performed faster, with better density and resolution that exceeds the requirement for this project.

## Aerial Data Acquisition

SAM's flight crew will mobilize to the project area within 5 days after all the aerial targets are in place. To complete project within the proposed schedule, all circuit lines will be flown within 2 weeks (weather permitting), to allow consistency of data, and efficient processing of a block of flights.

During the aerial mission, and for redundancy, two (2) weather stations will be set up at identified locations along the routes. The second station will be set as backup to eliminate any risk of missing weather data, in case of weather station failure. The location of each weather station will consider exposure, topography, conditions for unobstructed readings, and location of existing distribution and transmission lines. Weather data will be recorded at 1 minute intervals to allow Design Engineers to perform design calculations that are consistent with industry levels of accuracy and precision and the PLS-CADD modeling requirements. Weather data will include: date (year/month/day), time (hour, minute, second, time zone), mean wind Speed (ft/s), mean wind direction, mean ambient air temperature (degrees F), and solar intensity (w/ft$^2$) recorded in 1 minute intervals.

Once aerial acquisition is completed on one site, the aircraft will transit to the next site, where survey control and weather stations are being set by another survey crew. The goal is to have multiple survey crews on multiple sites so that as soon as one site's flight is completed, the aircraft can move to the next site with completed aerial control, where another crew will be supporting with base station and weather station, and so forth. Using multiple local crews will reduce downtime for the aircraft and will be the **most efficient and cost effective plan** to acquire the data.

Once an aerial dataset is captured, the QC is done in the field to confirm integrity of digital data, and before the aircraft leaves the project area, the flight mission is reviewed in the office to confirm coverage, density, and quality of collected dataset. This allows for a Geoprocessing tech lead on our LiDAR processing team to review the data with faster workstations, and provide high level quality checks so that any seams, holes, or other unwanted artifacts can be quickly identified in order to assess the need for any potential re-flights, avoiding expensive extra mobilizations, which would not only increase the cost, but also slow the overall schedule of the project.

**LiDAR & Imagery Calibration & Adjustment**

Once aerial acquisition is complete, the hard-drive with flight data will be shipped to the office for next day delivery. The multiple data sets (Airborne GNSS/IMU, raw LiDAR point cloud, Nadir RGB image, Oblique still and Video files) will be processed and calibrated simultaneous as each flight mission dataset is received in the office.

A primary challenge related to high density LiDAR dataset with hundreds of miles, revolves around large file size that needs to be moved quickly and efficiently through the network. To address this challenge, SAM has invested over $6 million in IT infrastructure to support data integrity, storage, and remote access for complete data protection. Our solutions feature:

- Data Backups & Offsite Replication
- Disaster Recovery Plan and Procedures
- High Speed Redundant Networks and High Performance Computers
- Mobile Rugged Devices for Field Data Collection
- Cloud Data Storage Solutions

SAM's Geospatial technicians will post-process the GNSS survey data with Applanix Software, using on-the-fly (OTF) ambiguity resolution techniques, supported by the downloaded FPRN and SAM's base stations. Concurrently, the IMU data will be post-processed and checked for gyro bias, systematic errors, and positional errors.

SAM recognizes that proper equipment calibration is a critical piece to delivering consistent high quality results, and has adopted workflows that include routine and systematic verification of the stability of calibration of equipment being utilized. SAM utilizes Riegl's Riprocess and Riprecision to adjust system calibration values statistically. SAM's certified photogrammetrists and professional surveyors are assigned to verify results of every calibration to ensure the accuracy of data being processed.

The verification process includes a quantitative analysis of the relative statistical relationship of each dataset to itself and the unified dataset to the survey control. It also includes a qualitative visual check of the datasets to ensure that the software solutions utilized the correct data to develop the statistical solutions. Once the system calibration has been checked and verified, the SAM calibration team proceeds with a relative flight line to flight line calibration and then an overall unified dataset to survey control adjustment.

**QA/QC**

The quality of deliverables for this project will be strongly based on our ability to calibrate and adjust the images and the LiDAR within required accuracy. The Quality Control of this task is systematically performed for every flight mission, for assurance of data quality.

- Quality Assurance is performed by use of automated tools to verify relative matches between the different flight and scan paths, and by evaluating adjusted results of LiDAR point clouds compared to surveyed ground truthing and checking points to validate dataset accuracy.
- The Geospatial technician systematically checks and refines calibration parameters by estimating the residual relative angular misalignment (roll, pitch, heading) and scanner scale corrections at overlapping scan path areas, swath-to-swath areas, between strips, minimizing the inter-strip differences using a least squares approach. Any issues identified at this stage are reported to the Calibration Manager for further investigation and resolution.
- Once swath-to-swath calibration is complete, and surveyed control points introduced to further refine the GPS / IMU data and adjust the LiDAR data to the project coordinate system, the validation of the adjusted point cloud is finalized by creating a report of statistic results of surveyed ground trothing points versus calibrated LiDAR and imagery.
- Any discrepancies identified in the ground control values are immediately submitted to the Calibration Manager, who will assess it and passed it to the Project Manager and the Registered Surveyor for further examination and resolution.
- Where no problem is found or once an acceptable absolute calibration result is obtained, blocks of LiDAR .las files are created for production and a quality assessment calibration report is generated stating observed variances between the survey control and aerial data.

**Imagery Processing**

SAM will begin image processing immediately after receiving and accepting imagery from the flight crew. Individual photos will be georeferenced using processed airborne GPS/IMU tied to each image by an event time-tag recorded at time when aerial photo was taken. Control points will be measured on every photo on which they occur and an aerotriangulation block will be processed to refine each photo exterior orientation georeferenced, tying to the project coordinate system.

The previously automated classified ground LiDAR dataset will be used to orthorectify the aerial imagery. The resulting

digital orthophotos will be created with 3-inch resolution, mosaicked as a seamless image dataset and checked to ensure color, tone and contrast is optimized across the project area. Mosaic lines between orthorectified photos will be manually edited and hidden along linear features to avoid cutting through buildings and other above ground structures. Final mosaicked images will be cut into individual tiles at manageable sizes and provided in ECW/EWW formats with white background. A last Quality Control task will then be performed, where given coordinates of all surveyed ground control points will be projected at their locations on the final orthophoto images and its values compared and reported in a project survey report

**Structure Oblique Imagery**

While the Aerial LiDAR and Nadir Image dataset is being calibrate and adjusted, SAM's image analyst team will gather all the oblique and/or video images collected during the aerial flight and will organize it per mission. We will use our proprietary software SAM Inspect™ to speed up the selection of photos that better matches the perspective view of each structure showing the full, above-ground height of each structure, with 80% of the image space. SAM Inspect™ is a technology SAM developed to bring Artificial Intelligence (AI) and Machine Learning (ML) to the maintenance and operation of infrastructure assets.

The Oblique image georeferenced information will be used to upload each oblique photocenter in a georeferenced geodatabase, together with the files containing all structure ID locations provided by JEA. Using the photo point id location, and the classified LiDAR point cloud, where structures are separated in its own feature class, SAM Inspect will select only good images; drastically reducing the office time to review, pack and deliver each structure image, named by structure number for each circuit.

**LiDAR Processing**

SAM's LiDAR classification and processing begins by performing an automated filtering and classification process that separates bare earth ground points, potential buildings, and vegetation and preliminary structure point cloud. SAM utilizes a number of tools including TerraSolid and ENVI to automatically obtain these preliminary classifications. Geospatial technicians then start a manual edit process that eliminates any remaining anomalies and misclassifications within the dataset. The classification will be made by visually reviewing 3D profiles of the point cloud and correctly classifying guy wires, anchors, shield wires, conductors, attachments, vegetation, buildings, fences, pavements, etc; following the developed .FEA feature list. The LiDAR technician will then extract vector lines for the roads, streets (with names), pavements, railroad crossing, the conductors, shield wires and vegetation; in a DXF format for use in the Vegetation Plan View map.

Once all points are classified and reviewed, the .LAS files will be exported to an Asc-ii format and imported in the template .bak file for conversion to a PLS-CADD format. Once PLS-CADD file is created, the final digital orthophotos will be attached to the .bak file as part of final file dataset and the structure ID point file will be used to assign correct Label for each structure point.

SAM will then create a Ground Clearance Report and a Survey Point Clearance Report, identifying where Ground and Water features, Bridges, Roads, Railroads, Signs, billboards, and other structures, Buildings, Swimming Pools, Distribution Lines, Communication Lines, Shield Wires, Other Transmission Lines and Vegetation that encroaches the ROW and violates the minimum required clearances as defined by the National Electrical Safety Code

**PLS-CADD Modeling**

Once LiDAR classification and overhead electrical mapping is completed, SAM will spot Method 1 structures at existing structure locations for the purpose of updating client geodatabase (ex. Structure ID, Type, Material, Configuration, Georeferenced Photo). Method 1 templates and naming conventions will be developed for building a structure library based on client standards. Conductor stringing and sagging will be modeled to match data capture conditions and clearance analysis reports will be run for as-built condition verification.

Wire temperature calculations are required for all transmission conductors and shield wires in the circuits listed for this project. Wire temperature calculations will be made using the PLS-CADD Thermal Calculation IEEE-738 / Batch Thermal Calculator. The PLS-CADD IEEE-738 / Batch Thermal Calculator parameters will include ambient temperature, wind speed,

wind direction, solar radiation, date and time of day, elevation, latitude, line angle, wind to wire angle, wire current (Amps) and wire type. The weather station set on the ground during day of acquisition will be used to enter the ambient temperature, wind speed, wind direction and solar radiation. For that reason, the locations for land based weather stations will be selected along the routes to ensure proper coverage for each circuit, within 10-miles. Within 30-days from conclusion of field work, SAM will provide JEA with a Microsoft spreadsheet listing date & time when aerial data was performed, so JEA can provide SAM with the wire type and wire electrical load at the day of data capture. The calculated wire temperatures will be stored in PLS-CADD under the weather case labeled 'Surveyed Wire Temp'. Using the calculated wire temperatures, a finite element model of the conductors and shield wires will be produced. SAM will then create a report for each circuit, identifying the maximum operating temperature based on violations and boundaries to determine line rating.

**Cost Effectiveness Of Proposed Solution**

We believe we offer best cost benefit with above proposal approach. Here are some topics to be considered:

1) Having been doing similar projects for over 15 years, SAM has established a solid workflow and built a team of skilled professionals whose daily task is processing, calibration, classification and conversion of PLS-CADD files for aerial LiDAR survey of overhead lines.
2) Even though SAM is fully capable of performing all the field survey activities, with our own resources, we have added a local surveying firm to our team, that is a certified Jacksonville Small and Emerging Business (JSEB) firm and based in the project area. That will allow quick response for the survey work and weather station support, and help us to offer the reduced cost of a Small business.
3) Our approach of use of one aerial platform carrying all needed sensors, specially customized and built to allow required LiDAR density and image resolution to be achieve with one flight path. The mobilization of aircraft to the project area is the most expensive cost of aerial survey, and when oblique pictures are required, some vendors may need to use two platforms.
4) Use of Artificial Intelligence for automated selection of best fit oblique image, will also save hours of labor, when looking through thousands of structure pictures.
5) Our extensive network, processing and experienced people-power offers a scalability of resources to ensure quality and timely delivery of our services and deliverables outlined in the scope of work of this RFP.

## CREATIVITY & INNOVATION

In order to serve our clients efficiently and with an affordable fee, we are always looking for opportunity to improve our capacity to process more data, without compromising quality.

**One Flight. One Pass. All Data Captured**

Our technical approach is for the use of one of our state-of-art Riegl sensors, for collection of 2-inch natural color aerial imagery, high density LiDAR point cloud with an average of 80 points per square meter (ppsm), oblique and video data simultaneously. If JEA decides that video is not requested and not of use for the project, SAM's proposal will then include the aerial data acquisition using our fixed-wing aircraft, that can fly faster, reducing time on the project, and with wider footprint, reducing the number of flight lines which will reduce project cost.

**Change Detection**

Our approach is to post process an automated change detection solution, that will provide JEA with selective areas where changes occurred from 2011. This will help JEA's engineers to better utilize the new data, knowing the locations where changes occur.

**Artificial Intelligence**

SAM Inspect™ is a technology SAM developed to bring Artificial Intelligence (AI) and Machine Learning (ML) to the maintenance and operation of infrastructure assets. Our proprietary inspection management software and process streamlines geospatial workflows, helping improve the inspection, identification, classification, location, and inventory of structures. If awarded this contract, we would like to discuss any need JEA may need for inspection and/or inventory of its equipment and structures.

**Customized Conversion**

With hundreds of corridor miles delivered every month, we have created a customized procedure where we can export the LAS point cloud directly into PLS-CADD .bak files, with 100% accurate feature code conversion.

**Terrestrial Close Range Photogrammetry**

SAM has developed a patent-pending technology to assist with completing facility ratings (as required under FERC order FAC-008) by identifying conductor types. This enables the use of manufacturers data to identify the most limiting component on the system. By taking data points on the conductor, using high definition photography and remote measurement devices, SAM can safely, quickly, and accurately measure conductors, buses, and other limiting equipment. Data is collected from 75' – 400' from the component. Conductor and Strand diameters are measured to an accuracy of 0.03". Approximately 25-50 measurements are taken per day by a single crew. Using our proprietary software, results are given in the field, including a count of the outer strands. With the application of this technology, we have eliminated the need for bucket trucks and

climbing in order to measure component sizes, saving time, and money, and limiting risk to crews and equipment.

**Inspection Capability**

SAM has developed a rigorous UAS training program to support, among other applications, our inspection services. With 53 pilots certified through this program, and the deployment 42 unmanned aircraft across our offices, SAM has the capability to respond quickly to inspection needs.

## COMPREHENSIVE RESOURCE PLAN & SCHEDULE

**Our organization chart** included in the Professional Staff Experience Section of this proposal, list the names of technicians and professionals that will be made available if we are awarded this contract. It shows how each task will be supervised by one of our department managers, with support from our Operations Manager that can offer all resources within our company, to make sure the project can be done on schedule. Todd Schmidt will be the Project Manager and the main point of contact with JEA.

## QUALITY CONTROL

SAM's approach to quality management is focused on four core tenets: Quality Planning, Quality Assurance, Quality Control and Quality Improvement. For SAM, quality is not just the utmost goal of the deliverable but the process as well.

SAM's Quality Assurance (QA) mindset in the development and continued improvement of our workflows, processes, and technology helps to assure that SAM produces quality work to the best of our ability. Part of the QA mindset includes stringent workflow documentation. Both standard workflows and specific project related workflows are documented in a cloud-based environment that allows the entire team to have access to the most up to date version of those workflows and to apply updates and improvements to the workflows on an as needed basis.

Backed by over 25 years of survey experience, SAM has developed and tested a well- documented system of checklists for each production phase to ensure procedures are followed to the letter. Our internal quality inspection process involves Project Managers and Geospatial Leads all of whom are subject matter experts meeting on a weekly basis or as needed to plan project execution, review project schedules, discuss issues encountered and propose solutions.

From the moment the Project Manager receives Notice to Proceed (NTP) or a signed work order from the client, a team of experts meets to discuss the project scope and develop a project specific execution plan. Project kickoff documents are prepared and distributed to all personnel assigned to the project. This document lists all data depositories, the seed file to be used for mapping, cell libraries specific to the project, boundary file to be used for flight planning and mapping, the projection and units, project deliverables and project specific requirements, project due date and other project pertinent information. From this document, the Project Manager prepares and submits an online acquisition request form to the Acquisition Manager and Project Surveyor. Their completed flight plan and ground control / ground truth layout are returned to the Project Manager for review and approval.

These explicit procedures are repeated for each stage of the survey process including:

- Flight plan checks before flights commence LiDAR and imagery data coverage checks after acquisition
- Redundant data checks for data copying from hard drives to network storage
- Relative tie checks on the data between flight lines
- Ground control checks to the calibrated data iterative checks on the extracted data as we process up to and after completion of the deliverables.

Intermediate products and deliverables are signed off at each stage by senior level technicians who review and prepare the data for the next step of the project lifecycle. Forms are filled and statistics computed and reviewed where necessary for continuous documentation and validation of the data. Upon completion, the Project Manager delivers the data to the client and submits a signed accuracy report detailing the various processes involved in production and the statistical results obtained.

All these procedures are overseen by the Project Manager who maintains constant communication with the client as our overall goal is client satisfaction. Even after all these steps, SAM understands that the product we deliver is not just data, but a solution for our clients so SAM is happy to adjust the product if it will create additional solutions and minimize effort on the client's end.

The final deliverable for Substation project could be 2D CAD drawings created from the point cloud or a 3D MicroStation v8i Drawings from the terrestrial field scans. The 3D MicroStation model must illustrate complete and accurate physical design and electrical connections of the substation and conforms with stated specification.

Scan Deliverables will include Registration report, Georeferenced, registered, colorized point cloud in MicroStation format, Classified point cloud, Exported file types - E57, POD, and a Virtual Walk-Through deliverable if requested.

Project Award: Upon award of this contract SAM, LLC will be ready to support work requested by the Jacksonville Electric Authority (JEA), for collection of high density aerial LiDAR and high resolution imagery and oblique structure photos and videos using manned aircraft, while meteorological information and GPS data are being collected on the ground. The aerial survey will be processed and used for creation of PLS-CADD modeling, with planimetric drawings and thermal rating reports for use to further analyze of each circuit and vegetation management.

SAM's electric power industry services lay the foundation for safe and reliable greenfield planning and brownfield upgrades for power generation, transmission, distribution, and substation projects. SAM delivers advanced technology solutions and the comprehensive data that electric power clients need to maintain and expand their electric power infrastructure safely and efficiently. With the ability to deploy/scale rapidly anywhere within the United States, SAM brings exceptional flexibility to every engagement.

SAM's strong resume in serving the project needs of numerous electric power companies, has taught us that readiness, responsiveness, and reliability must never be compromised. SAM understands the importance of meeting energization dates and applies our proven project management, communication and robust QA/QC processes to ensure that we consistently deliver high-quality services on time and within budget.

| JEA Projects |
|---|
| JEA –Boundary Survey at Lakeshore |
| JEA – Bartram Substation Tower |
| JEA – Starratt 367 Phase 2 Cedar Point Distribution line |
| JEA –Cedar Point Distribution Line Easements and Submerged Land Lease |
| JEA –Cedar Point Reconductor Wetlands and staking |
| JEA –Circuit 659 Reroute Surveying |
| JEA –Circuit 825 Surveying |
| JEA –Darby T-Line Surveying |
| JEA –CR 210 – Greenbrier Road 26KV Relocation Surveying |
| JEA –Boundary Survey for easements |
| JEA – Circuits 853/822 Tower 39 Surveying |
| JEA – Surveying for FDOT Project I-295 |
| JEA – Surveying for Imeson 493 26KV Feeder Phase 1 |
| JEA – Surveying for JEA Electric Distribution Relocation of Water St Feeders to Independent Dr. |
| JEA – FDOT I-10 Widening Project Segment 2 |
| JEA – RITTER PARK CKT 429 - BUSCH DRIVE TOPOGRAPHIC SURVEY |
| JEA – RITTER PARK CKT 429 - BUSCH DRIVE SUE SURVEY |
| JEA – POLE STAKING FOR IMESON 493 RUTGERS RD PH 2 26KV FEEDER PROJECT |
| JEA – POLE AND DOWNGUY STAKING FOR LANE AVE 437 RECONDUCTOR PROJECT |
| JEA – AS-BUILT SURVEY OF THE NEW BAYMEADOWS SUBSTATION TOWER SITE |
| JEA – SURVEY FOR RICHMOND-SHADOWLAWN OH-UG CONVERSION. |
| JEA – BOUNDARY AND TOPGRAPHIC SURVEY FOR THE UNIVERSITY TRASITION STATION |
| JEA – SOCC Annex Tower |
| JEA – Worley – Kennedy Substation |
| JEA – CMA – St Johns Substation |
| JEA – CMA – Kennedy Generating Station |
| JEA – CMA – St Johns River Power Park Substation |
| JEA – Trees Inc. – Multiple Transmission line Right of way surveys |
| JEA – CMA – Multiple Transmission line Right of way surveys |
| JEA – Jax Heights Substation to Firestone Substation |
| JEA – AE – Kingsbury- Attleboro Topo |
| JEA – CMA – Circuit 393 |

| Client | Miles of Transmission Line LiDAR |
|---|---|
| Dominion | 2,500 |
| GPC | 620 |
| NextEra | 443 |
| FPL | 101 |
| APC | 2,072 |
| NIPSCO | 10 |
| Wabash Valley | 8 |
| Burns & McDonnell | 112 |
| AES | 104 |
| ESI | 8 |
| MPC | 547 |
| ODEC | 60 |
| QISG | 80 |
| **TOTAL** | **6,665** |

| Client | Substations 3D Scanned |
|---|---|
| OUC | Bull Creek |
| KUA | Osceola Parkway Interconnect |
| Beaches Energy Services | Samson Substation |
| COT | Line 7 Structure / BP-8 Substation |
| Duke | Bronson Substation, Radiant Substation, Hudson North Substation, Loyd Tap, Ocala Shaw Substation, Widermere Substation, Ginnie Substation, Birch Interconnection, Hickory Substation, Perry Substation, Fort White Substation, Ladybug Substation, Osprey GIS, Chiefland Substation, Fort Green Springs Substation, Santa Fe Solar Substation, Duke Training Facility in Winter Gardens, Ulmerton Storm Staging Transmission Line |
| FPL | Brighton Substation, Morris Substation, Orsino Substation, Titanium Substation, Pointset Substation |
| FPU | CMA – Fernandina Beach Substation |
| Glades Electric CCOP | Lakeport Substation |

## TRANSMISSION PROJECT EXPERIENCE

Appendix B – Proposal Forms
1411799447 (RFP) CCNA Survey Services for Transmission/Distribution and Substation Projects

**LiDAR Survey for Transmission line 1**

Reference Company Name Florida Power & Light Company

Reference Contact Person Name Kola Omosaive

Reference Contact Person Phone Number 480-267-8940

Reference Contact Person E-Mail Address Kola.Omosaiye@fpl.com

Date Work Began/Date Work Complete May 2022 – Jan 2024

Contract Value $430,026

Description of Project SAM provided fixed wing aerial LiDAR, aerial photogrammetry, PLS-CADD design files, topographic and boundary surveying services to aid in the design, right of way acquisition, and construction of an 8 mile, 230kV Gen-Tie Transmission Line in Hendry County, Florida.

On the Caloosahatchee 230kV Gen-Tie, the preliminary route was flown using fixed wing aerial LiDAR and mapped for use throughout the project. SAM then performed boundary surveys for 28 parcels affected by the Gen-Tie route. Once the design had been finalized, SAM prepared 47 exhibits across the 28 parcels in support of acquiring easements for the 75 foot corridor. The exhibits made use of the previously completed boundary surveys to write accurate legal descriptions for the corridor across each parcel. SAM also provided Legal Descriptions and Sketches for Permanent and Temporary Access Easements and Temporary Construction Easements. SAM provided support in condemnation proceedings including the creation of a Key Map to accompany the various exhibits. Once construction began, SAM provided Topographic Surveying services for design for 2 canal crossings. Deliverables included PLS-CADD files, aerial imagery, Civil 3D surfaces, and signed/sealed exhibits. During construction, SAM provided preliminary and final construction staking of right of way alignment and transmission line structures.

Appendix B – Proposal Forms
1411799447 (RFP) CCNA Survey Services for Transmission/Distribution and Substation Projects

**LiDAR Survey for Transmission Line 2**

Reference Company Name Dominion Energy

Reference Contact Person Name Emmanuel Padilla, S.I.T.

Reference Contact Person Phone Number 804-219-6991

Reference Contact Person E-Mail Address Emmanuel.Padilla@dominionenergy.com

Date Work Began/Date Work Complete 11/11/2023 – 04/05/2024

Contract Value $435,710

Description of Project SAM provided high density LiDAR combined with high resolution nadir imagery and processing of LiDAR and imagery in connection with fifteen transmission line projects in Q4 2023.

Using a Riegl system, mounted on an aircraft, SAM acquired LiDAR data at a minimum of 25 points per square meter average density and simultaneously collected color imagery to generate 2-inch pixel GSD resolution orthoimagery. Weather data was recorded at 1 minute intervals to allow Design Engineers to perform design calculations that are consistent with industry levels of accuracy and precision and the PLS-CADD modeling requirements. Project deliverables included:

- PLS-CADD Design Model
- Orthomosaic Digital Imagery
- Planimetric CAD Drawings
- GIS Shape Files
- Point Files
- Survey Control Book
- Project Accuracy Report
- Quality Assurance Checklist
- Weather Data (TL 2173 Loudoun to Elklick, TL 295 Elklick to Bull Run, TL 200 265 2051 Bull Run – Clifton & TL 2008 Loudoun to Dulles Sub projects)

## SUBSTATION PROJECT EXPERIENCE

Appendix B – Proposal Forms
1411799447 (RFP) CCNA Survey Services for Transmission/Distribution and Substation Projects

**Terrestrial LiDAR survey for Substation 3D modeling 1**

Reference Company Name Florida Power & Light Company

Reference Contact Person Name Scott Childress

Reference Contact Person Phone Number 512-735-1811

Reference Contact Person E-Mail Address scott.childress@nexteraenergy.com

Date Work Began/Date Work Complete 01/31/23 - 07-24-23

Contract Value $29,000

Description of Project FPL Morris Substation

SAM provided a boundary survey and an as-built survey of all improvements to the Waterway Substation (aka Morris Substation – Seminole Electric Co) in Highlands County, Florida.

SAM was contracted again in January 2023, to provide a boundary survey, and an as-built survey of the substation property and equipment to assist in future designs. SAM crews established control on site based on published monumentation. The survey was captured using conventional survey and 3D laser scanning to quickly, safely capture data without interrupting the operation of the substation. The registered 3D laser scans of the substation were used in ACAD to extract the limits of perimeter fencing, buildings, utility trenches, concrete footers and pads, bottom/top of structures, and point of attachments for all installed cables.

The provided boundary survey was used by FPL to acquire the substation property from Seminole Electric Company.

Appendix B – Proposal Forms
1411799447 (RFP) CCNA Survey Services for Transmission/Distribution and Substation Projects

**Terrestrial LiDAR survey for Substation 3D modeling 2**

Reference Company Name Glades Electric Cooperative

Reference Contact Person Name Jose M. Cordova

Reference Contact Person Phone Number 863-946-6212

Reference Contact Person E-Mail Address JCordova@GLADESELECTRIC.COM

Date Work Began/Date Work Complete 10/31/22 - 11/18/22

Contract Value $12,300

Description of Project GEC - Lakeport Substation, Highlands County, Florida

SAM provided an existing conditions survey of all improvements and equipment for the Lakeport Substation in Glades, County, Florida.

SAM was contracted October 2022, to provide an existing conditions survey, and as-built survey of the substation property and equipment to assist in future designs. SAM crews established control on site based on published monumentation. The site conditions were captured using 3D laser scanning to quickly, and safely capture data without interrupting the operation of the substation.

The 3D laser scans of the substation were registered to the established control and used in ACAD to extract the limits of perimeter fencing, buildings, utility trenches, concrete footers and pads, and bottom/top of structures. Leica Cyclone Core was used to model steel members of the station equipment. With the combination of modeled objects and registered 3D point cloud, SAM provided GEC with a 2D general layout of the substation, a topographic survey, and 2D cross-sections with dimensions and heights between the structures in the substation.

Award #6 Supporting Document 01/16/25

| # | 1411799447 (RFP) CCNA Survey Services for TransmissionDistribution and Substation Projects | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Vendor Rankings** | Evaluator A | Evaluator B | Evaluator C | Σ Rank | Rank | Total Score |
| 1 | Network Mapping Inc | 3 | 4 | 4 | 11 | **3** | 219.50 |
| 2 | Pickett & Associates, Inc | 2 | 1 | 3 | 6 | **2** | 239.25 |
| 3 | Southeastern Surveying and Mapping Corporation | 5 | 5 | 6 | 16 | **6** | 188.50 |
| 4 | Surveying and Mapping, LLC | 1 | 2 | 1 | 4 | **1** | 247.00 |
| 5 | GPI Geospatial, Inc. | 4 | 3 | 5 | 12 | **4** | 219.75 |
| 6 | Ground Penetrating Radar Systems, LLC | 6 | 6 | 2 | 14 | **5** | 133.50 |

| # | Evaluator A | Staff Experience (40 Points) | Design Approach and Work Plan (35 Points) | Company Experience (20 Points) | JSEB (5 Points) | Total | Rank |
|---|---|---|---|---|---|---|---|
| 1 | Network Mapping Inc | 26.50 | 23.00 | 16.00 | 4.00 | 69.50 | 3 |
| 2 | Pickett & Associates, Inc | 27.00 | 24.00 | 15.00 | 4.00 | 70.00 | 2 |
| 3 | Southeastern Surveying and Mapping Corporation | 27.50 | 18.00 | 11.00 | 4.00 | 60.50 | 5 |
| 4 | Surveying and Mapping, LLC | 28.50 | 32.00 | 17.00 | 2.00 | 79.50 | 1 |
| 5 | GPI Geospatial, Inc. | 24.75 | 21.00 | 18.00 | 4.00 | 67.75 | 4 |
| 6 | Ground Penetrating Radar Systems, LLC | 22.00 | 14.00 | 7.00 | 0.00 | 43.00 | 6 |

| | Evaluator B | Staff Experience (40 Points) | Design Approach and Work Plan (35 Points) | Company Experience (20 Points) | JSEB (5 Points) | Total | Rank |
|---|---|---|---|---|---|---|---|
| 1 | Network Mapping Inc | 33.25 | 30.00 | 13.00 | 4.00 | 80.25 | 4 |
| 2 | Pickett & Associates, Inc | 37.75 | 33.00 | 20.00 | 4.00 | 94.75 | 1 |
| 3 | Southeastern Surveying and Mapping Corporation | 27.75 | 26.00 | 10.00 | 4.00 | 67.75 | 5 |
| 4 | Surveying and Mapping, LLC | 37.50 | 34.00 | 17.00 | 2.00 | 90.50 | 2 |
| 5 | GPI Geospatial, Inc. | 39.50 | 30.00 | 11.00 | 4.00 | 84.50 | 3 |
| 6 | Ground Penetrating Radar Systems, LLC | 3.75 | 6.00 | 6.00 | 0.00 | 15.75 | 6 |

| | Evaluator C | Staff Experience (40 Points) | Design Approach and Work Plan (35 Points) | Company Experience (20 Points) | JSEB (5 Points) | Total | Rank |
|---|---|---|---|---|---|---|---|
| 1 | Network Mapping Inc | 29.75 | 23.00 | 13.00 | 4.00 | 69.75 | 4 |
| 2 | Pickett & Associates, Inc | 33.50 | 21.00 | 16.00 | 4.00 | 74.50 | 3 |
| 3 | Southeastern Surveying and Mapping Corporation | 32.25 | 16.00 | 8.00 | 4.00 | 60.25 | 6 |
| 4 | Surveying and Mapping, LLC | 35.00 | 25.00 | 15.00 | 2.00 | 77.00 | 1 |
| 5 | GPI Geospatial, Inc. | 35.50 | 19.00 | 9.00 | 4.00 | 67.50 | 5 |
| 6 | Ground Penetrating Radar Systems, LLC | 35.75 | 24.00 | 15.00 | 0.00 | 74.75 | 2 |

| | Overall Averages | Staff Experience (40 Points) | Design Approach and Work Plan (35 Points) | Company Experience (20 Points) | JSEB (5 Points) | Total | Rank |
|---|---|---|---|---|---|---|---|
| 1 | Network Mapping Inc | 29.83 | 25.33 | 14.00 | 4.00 | 73.17 | 4 |
| 2 | Pickett & Associates, Inc | 32.75 | 26.00 | 17.00 | 4.00 | 79.75 | 2 |
| 3 | Southeastern Surveying and Mapping Corporation | 29.17 | 20.00 | 9.67 | 4.00 | 62.83 | 5 |
| 4 | Surveying and Mapping, LLC | 33.67 | 30.33 | 16.33 | 2.00 | 82.33 | 1 |
| 5 | GPI Geospatial, Inc. | 33.25 | 23.33 | 12.67 | 4.00 | 73.25 | 3 |
| 6 | Ground Penetrating Radar Systems, LLC | 20.50 | 14.67 | 9.33 | 0.00 | 44.50 | 6 |

Regular Agenda #1 Supporting Document 1/16/25

## 1411831248 Property and Casualty Insurance Brokerage Services

| Vendor Rankings | J.Whitten | R. Caffey | L. Thomas | Σ Rank | Rank | Bid Amount | Per Year | Per Quarter | Current Contract per Yr |
|---|---|---|---|---|---|---|---|---|---|
| **Arthur J. Gallagher Risk Management Services, Inc.** | 1 | 2 | 1 | 4 | **1** | $510,000.00 | $170,000.00 | $42,500.00 | $170,000.00 |
| **Aon Risk Services Central, Inc.** | 2 | 1 | 2 | 5 | **2** | $525,000.00 | $175,000.00 | $43,750.00 | n/a |
| **Willis Tower Watson Southeast, Inc.** | 3 | 3 | 3 | 9 | **3** | $735,000.00 | $245,000.00 | $61,250.00 | n/a |

| J.Whitten | Financial Responsibility (5 Points) | Experience of Service Team (30 Points) | Company Experience (30 Points) | Compensation (35 Points) | Total | Rank |
|---|---|---|---|---|---|---|
| **Arthur J. Gallagher Risk Management Services, Inc.** | 5 | 30 | 28 | 35 | 98 | 1 |
| **Aon Risk Services Central, Inc.** | 5 | 20.46 | 24 | 34 | 83.46 | 2 |
| **Willis Tower Watson Southeast, Inc.** | 5 | 21.27 | 24 | 24.29 | 74.56 | 3 |

| R. Caffey | Financial Responsibility (5 Points) | Experience of Service Team (30 Points) | Company Experience (30 Points) | Compensation (35 Points) | Total | Rank |
|---|---|---|---|---|---|---|
| **Arthur J. Gallagher Risk Management Services, Inc.** | 5 | 28 | 24 | 35 | 92 | 2 |
| **Aon Risk Services Central, Inc.** | 5 | 28 | 26 | 34 | 93 | 1 |
| **Willis Tower Watson Southeast, Inc.** | 5 | 28 | 20 | 24.29 | 77.29 | 3 |

| L. Thomas | Financial Responsibility (5 Points) | Experience of Service Team (30 Points) | Company Experience (30 Points) | Compensation (35 Points) | Total | Rank |
|---|---|---|---|---|---|---|
| **Arthur J. Gallagher Risk Management Services, Inc.** | 5 | 30 | 26 | 35 | 96 | 1 |
| **Aon Risk Services Central, Inc.** | 5 | 21.82 | 24 | 34 | 84.82 | 2 |
| **Willis Tower Watson Southeast, Inc.** | 5 | 17.73 | 24 | 24.29 | 71.02 | 3 |

| Overall Averages | Financial Responsibility (5 Points) | Experience of Service Team (30 Points) | Company Experience (30 Points) | Compensation (35 Points) | Total |
|---|---|---|---|---|---|
| **Arthur J. Gallagher Risk Management Services, Inc.** | 5.00 | 29.33 | 26.00 | 35.00 | 95.33 |
| **Aon Risk Services Central, Inc.** | 5.00 | 23.43 | 24.67 | 34.00 | 87.09 |
| **Willis Tower Watson Southeast, Inc.** | 5.00 | 22.33 | 22.67 | 24.29 | 74.29 |

**G. COMPENSATION (Selection Criteria- Same as Title):**

**INSTRUCTIONS: Indicate below the proposed annual compensation for providing "Scope of Work" (Section 1.2) of this Solicitation during the three-year service period. The total annual compensation on this form must be all-inclusive and must include compensation for services related to any additional Property and Casualty insurance purchased by JEA during service periods, including any remarketing of their Property and Casualty insurance. Actual annual compensation must be the same as proposed compensation unless "Scope of Work" is changed at the request of JEA by an amendment to the Contract between Company and JEA.**

**Scope of Work must continue to be provided annually during the period of the Contract between Company and JEA at a flat annual fee. This annual compensation from JEA to Company shall be an agreed amount not subject to any commissions, contingent fees, or any other form of remuneration (direct or indirect, transaction specific or non-specific) from insurers providing Property and Casualty coverage to JEA.**

| Service Period | 2025 | 2026 | 2027 |
|---|---|---|---|
| Total Annual Compensation Paid by JEA to Company: | $170,000 | $170,000 | $170,000 |

**TOTAL COMPENSATION PAID BY JEA TO COMPANY FOR THE THREE-YEAR TERM:**

**$510,000**

**Transfer the total above to Zycus when submitting the Response.**

**W.J. (Initials) 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 Response will be disclosed to the public "as-is".**

**Company's Certification**

By submitting this Response, the Respondent certifies that it has read and reviewed all of the documents pertaining to this ITN 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 Respondent 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 ____1____through__4____

Signature of Authorize Officer of Company or Agent Date 10.8.24

W. Jarboe

Regular Agenda #1 Supporting Document 1/16/25

**Premiums to Be Paid Thru Arthur J. Gallagher**
**New Contract: Year # 1 (3/1/25-2/28/26)**

| Insurance | Renewal Date | Estimated Total |
|---|---|---|
| Excess Liability - $35,000,000** | 3/1/2025 | $205,115 |
| Excess Liability - $15,000,000** | 3/1/2025 | $81,675 |
| Fiduciary** | 3/1/2025 | $80,000 |
| Crime - Includes: Excess Crime and Erisa Bond | 3/24/2025 | $46,509 |
| Automobile Liability (Outside State of Florida) | 5/10/2025 | $70,516 |
| Business Travel Policy | 6/1/2025 | $2,101 |
| Cyber Liability Insurance | 7/1/2025 | $2,241,008 |
| Pollution Liability Policy - NSGS | 8/7/2025 | $4,084 |
| Public Officials including D&O Liability | 10/1/2025 | $429,749 |
| Property Damage Insurance (Factory Mutual - FM) | 10/1/2025 | $5,824,081 |
| Out-of-State Worker's Compensation | 11/11/2025 | $13,278 |
| | **Grand Total:** | **$8,998,116** |

**NOTE: Formally paid by SJRPP.

Regular Agenda #1 Supporting Document 1/16/25

**Premiums to Be Paid Thru Arthur J. Gallagher**
**New Contract: Year # 2 (3/1/26-2/28/27)**

| Insurance | Renewal Date | Estimated Total |
|---|---|---|
| Excess Liability - $35,000,000** | 3/1/2026 | $225,627 |
| Excess Liability - $15,000,000** | 3/1/2026 | $89,843 |
| Fiduciary** | 3/1/2026 | $80,000 |
| Crime - Includes: Excess Crime and Erisa Bond | 3/24/2026 | $53,485 |
| Automobile Liability (Outside State of Florida) | 5/10/2026 | $77,568 |
| Business Travel Policy | 6/1/2026 | $2,311 |
| Cyber Liability Insurance | 7/1/2026 | $2,577,159 |
| Pollution Liability Policy - NSGS | 8/7/2026 | $4,492 |
| Public Officials including D&O Liability | 10/1/2026 | $494,211 |
| Property Damage Insurance (Factory Mutual - FM) | 10/1/2026 | $6,697,693 |
| Out-of-State Worker's Compensation | 11/11/2026 | $13,942 |
| | **Grand Total:** | **$10,316,331** |

**NOTE: Formally paid by SJRPP.

Regular Agenda #1 Supporting Document 1/16/25

**Premiums to Be Paid Thru Arthur J. Gallagher**
**New Contract: Year # 3 (3/1/27-2/29/28)**

| Insurance | Renewal Date | Estimated Total |
|---|---|---|
| Excess Liability - $35,000,000** | 3/1/2027 | $248,190 |
| Excess Liability - $15,000,000** | 3/1/2027 | $98,827 |
| Fiduciary** | 3/1/2027 | $80,000 |
| Crime - Includes: Excess Crime and Erisa Bond | 3/24/2027 | $61,508 |
| Automobile Liability (Outside State of Florida) | 5/10/2027 | $85,325 |
| Business Travel Policy | 6/1/2027 | $2,542 |
| Cyber Liability Insurance | 7/1/2027 | $2,963,733 |
| Pollution Liability Policy - NSGS | 8/7/2027 | $4,941 |
| Public Officials including D&O Liability | 10/1/2027 | $568,343 |
| Property Damage Insurance (Factory Mutual - FM) | 10/1/2027 | $7,702,347 |
| Out-of-State Worker's Compensation | 11/11/2027 | $14,639 |
| | **Grand Total:** | **$11,830,395** |

**NOTE: Formally paid by SJRPP.

**Arthur J. Gallagher**
**New Contract March 2025 - February 2028**

**Brokerage Fees Per Year**

| | |
|---|---|
| 2025-2026: | $170,000 |
| 2026-2027: | $170,000 |
| 2027-2028: | $170,000 |
| **Grand-Total:** | **$510,000** |

**Estimated Cyber Insurance Brokerage Fees Per Year**

| | |
|---|---|
| 2025-2026: | $82,800 |
| 2026-2027: | $95,220 |
| 2027-2028: | $109,503 |
| **Grand-Total:** | **$287,523** |

**1411808846 Addendum 4 Appendix B - Bid Workbook**
**JEA Pearl Street Offsite Remedial Action and Parking Lot Expansion Project**
(Only complete the Prices in Yellow Cells)

| | | | Company: | ENTACT, LLC | |
|---|---|---|---|---|---|
| **Bid Item** | **Est. Qty.** | **Units** | **Description (includes labor and equipment)** | **Unit Price** | **Extended Price** |
| 1 | 1 | Lump Sum | **Mobilization & Demobilization** | $218,747.77 | $218,747.77 |
| | | | | | |
| 2 | 1 | Lump Sum | **Surveying** | $178,062.75 | $178,062.75 |
| | | | | | |
| | | | **Clearing & Grubbing** | | |
| 3a | 1 | Lump Sum | a. Ditch | $9,979.46 | $9,979.46 |
| 3b | 1 | Lump Sum | b. Trees | $23,178.87 | $23,178.87 |
| | | | | | |
| | | | **Dewatering Plan & Operation** | | |
| 4a | 1 | Each | a. Dewatering Plan | $14,848.48 | $14,848.48 |
| 4b | 1 | Lump Sum | b. Dewatering Operations (six inch pump, hoses, fuel, and well points) | $122,740.59 | $122,740.59 |
| | | | | | |
| | | | **Concrete Removal** | | |
| 5a | 24 | Ton | a. Removal & Disposal of Existing Concrete Curb & Gutter | $142.84 | $3,428.16 |
| 5b | 395 | Ton | b. Removal & Disposal of DNAPL Concrete Area | $101.85 | $40,230.75 |
| | | | | | |
| | | | **Removal of Existing Utilities** | | |
| 6a | 7 | Each | a. Light Poles including removal of the power supply lines | $1,768.72 | $12,381.04 |
| 6b | 1 | Lump Sum | b. Removal & Disposal of Existing Buried Conduit (multiple conduits) and demolition of existing stormwater structures and associated piping. | $31,923.93 | $31,923.93 |
| 6c | 6 | Each | c. Removal of the existing security cameras, enclosures, and power supply lines | $2,227.28 | $13,363.68 |
| 6d | 6 | Each | d. Removal of electric vehicle (EV) charging stations | $690.02 | $4,140.12 |
| 6e | 1 | Lump Sum | e. Removal of the existing power supply panels including the wood pole | $3,535.25 | $3,535.25 |
| | | | | | |
| | | | **Site Clearing with Off-Site Disposal** | | |
| 7a | 1 | Lump Sum | a. Off-site Excavation (458 cubic yards) | $9,819.79 | $9,819.79 |
| 7b | 1,921 | Ton | b. Loadout Soil for Transportation & Disposal | $6.17 | $11,852.57 |
| 7c | 1,921 | Ton | c. Transport Soil | $27.30 | $52,443.30 |
| 7d | 1,921 | Ton | d. Soil Disposal | $31.51 | $60,530.71 |
| | | | | | |
| | | | **Construction Erosion Control Measures** | | |
| 8a | 1,000 | Linear Feet | a. Perimeter Control | $12.48 | $12,480.00 |
| 8b | 1 | Each | b. Floating Turbidity Barrier | $1,317.54 | $1,317.54 |
| 8c | 10 | Each | c. Drop Inlet Sediment Filter | $288.24 | $2,882.40 |
| | | | | | |
| | | | **Fill Importation** | | |
| 9 | 598 | Cubic Yard | a. Clean Fill - Free of debris and impacts | $53.04 | $31,696.70 |
| | | | | | |
| 10 | 1 | Lump Sum | **Labor & Equipment (Bid Items 10 through 13)** | $1,720,138.35 | $1,720,138.35 |
| | | | | | |
| | | | **StormTech SC-310 Construction** | | |
| 11a | 1,188 | Each | a. Chambers | $212.09 | $251,962.92 |
| 11b | 36 | Each | b. End-Caps | $206.36 | $7,428.96 |
| 11c | 8,313 | Square Yard | c. Non-woven Filter Fabric | $1.58 | $13,134.54 |
| 11d | 2 | Each | d. Inlet Manifold | $17,549.82 | $35,099.64 |
| 11e | 2 | Each | e. Outlet Manifold | $17,549.82 | $35,099.64 |
| 11f | 450 | Square Yard | f. Woven Filter Fabric | $2.52 | $1,134.00 |
| 11g | 2,693 | Ton | g. Stone | $69.84 | $188,079.12 |
| 11h | 3,706 | Cubic Yard | h. Excavation and stockpiling soil for reuse on site | $4.34 | $16,084.04 |
| | | | | | |
| | | | **Stormwater Pipe Construction** | | |
| 12a | 1,120 | Linear Feet | a. Duraslot Trench Drain (15" Diameter) | $245.80 | $275,296.00 |
| 12b | 110 | Linear Feet | b. Duraslot Trench Drain (18" Diameter) | $285.49 | $31,403.90 |
| 12c | 9 | Each | c. Nyloplast Drop Inlets | $3,447.68 | $31,029.12 |
| 12d | 932 | Linear Feet | d. 15" Diameter HDPE Storm Pipe | $29.29 | $27,298.28 |
| 12e | 150 | Linear Feet | e. 18" Diameter HDPE Storm Pipe | $42.51 | $6,376.50 |
| 12f | 72 | Linear Feet | f. 24" Diameter HDPE Storm Pipe | $53.23 | $3,832.56 |
| 12g | 760 | Linear Feet | g. 36" Diameter RCP Storm Pipe (includes non-woven geotextile fabric and #57 bedding stone | $147.32 | $111,963.20 |
| | | | | | |
| | | | **Manholes** | | |
| 13 | 5 | Each | a. Manholes, FDOT Type J, alt A | $3,796.31 | $18,981.55 |
| | | | | | |
| | | | **Site Grading** | | |
| 14a | 3,708 | Cubic Yard | a. Reuse & Install Subgrade Fill Material (includes compaction requirements) | $7.22 | $26,757.32 |
| 14b | 1,200 | Linear Feet | b. Sawcut Existing Asphalt Surface for Tie-In | $2.96 | $3,552.00 |
| | | | | | |
| | | | **Site Paving** | | |
| 15a | 2,350 | Ton | a. Asphalt paving | $279.45 | $656,707.50 |
| 15b | 2,200 | Linear Feet | b. Pavement Striping | $1.50 | $3,300.00 |
| 15c | 1,200 | Linear Feet | c. 24" Concrete Curb & Gutter on South Property Line | $29.48 | $35,376.00 |
| 15d | 1,666 | Square feet | c. 6" Concrete Pad with 6" x 6" woven welded 10-gauge wire for Roll-Off Dumpster | $10.92 | $18,192.72 |
| | | | | | |
| | | | **Underground Utilities & Lighting** | | |
| 16a | 1,000 | Linear Feet | a. 3 inch Diameter Schedule 40 Conduit (CODPC020) open trench | $85.56 | $85,560.00 |
| 16b | 900 | Linear Feet | b. 3 inch Diameter Schedule 40 Conduit (CODPC020) open trench under pavement | $85.56 | $77,004.00 |
| 16c | 700 | Linear Feet | c. 2 inch Diameter Schedule 40 Conduit | $76.69 | $53,683.00 |
| 16d | 16 | Each | d. Pole (POLCO001, 30ft. Class 1) | $4,360.65 | $69,770.40 |

| | | | | | |
|---|---|---|---|---|---|
| 16e | 18 | Each | e. Luminaire & Bracket Arm Install | $5,101.99 | $91,835.82 |
| 16f | 18 | Each | f. 275W LED Cobrahead | $2,657.45 | $47,834.10 |
| 16g | 17 | Each | g. Polymere Electrical Service Box (non traffic rated) | $2,602.86 | $44,248.62 |
| 16h | 2 | Each | h. Polymere Electrical Service Box (traffic rated) | $4,922.93 | $9,845.86 |
| 16i | 6 | Each | i. Security cameras with electrical supply lines, enclosures, and receptacles | $8,023.64 | $48,141.64 |
| 16j | 6 | Each | j. Reinstallation of EV charging stations | $3,482.85 | $20,897.10 |
| 16k | 7 | Each | k. Furnish and install New EV charging stations | $13,325.42 | $93,277.94 |
| 16l | 1 | Lump Sum | l. Reinstallation of the meter can, service disconnect, circuit braker panel, and wood pole | $13,477.18 | $13,477.18 |
| | | | | | |
| | | | **Landscaping** | | |
| 17a | 1 | Lump Sum | a. Sod (1,161 square yards) | $19,898.06 | $19,898.06 |
| 17b | 1 | Lump Sum | b. Trees | $85,376.58 | $85,376.58 |
| 17c | 1 | Lump Sum | c. Irrigation | $37,667.10 | $37,667.10 |
| | | | | | |
| 18 | 1 | Lump Sum | **Fencing Removal & Installation** | $64,801.27 | $64,801.27 |
| | | | | | |
| 19 | 1 | Lump Sum | **Site Cleanup** | $13,115.64 | $13,115.64 |
| | | | | **SUBTOTAL** | **$5,254,246.23** |
| | | | | % MB | |
| 20 | | | Supplemental Work Authorization (SWA) (Max. 20% of Subtotal, Enter %) | 20 % | ~~$0.00~~ $1,050,849.26 MB |
| | | | **Total Bid Price (transfer total to Page 1 Appendix B - Bid Form)** | | ~~$5,254,246.23~~ $6,305,095.55 MB |

**JSEB Requirement Overview**

| | |
|---|---|
| Total Bid Price less Supplemental Work Authorizations, Mob/Demob: | $5,035,498.46 |
| JSEB Requirement (%): | 10% |
| JSEB Requirement (dollars): | $503,549.85 |

Notes:
1 - All quantities provided are estimates. Bidders should complete their own individual quantity take-offs and note any discrepancies.
2 - For bidding purposes, Bidders should assume all excess excavated material will be non-hazardous waste.
3 - Unit Rates shall include all applicable taxes and shall not be increased as a result of any change in Contractor's tax liabilities or failure of Contractor to include applicable tax.
4 - Reimbursement for all items shall be in accordance with Measurement of Payment.
5 - Labor rate sheet, with all categories of project staff, to be provided as an attachment. Labor rates will be used to evaluate SWAs during the work.

1411808846 Addendum 4 Appendix B - Bid Form
JEA Pearl Street Offsite Remedial Action and Parking Lot Expansion Project

Company Name: ENTACT, LLC

Company's Address 156 E. Bloomingdale Ave, Brandon, FL 33511

Phone Number: (225) 405-5378 FAX No: (630) 986-0653 Email Address: mblanchard@entact.com

License Number: Florida State Contractor's License #CGC1517351

**BID SECURITY REQUIREMENTS**
- ☐ None required
- ☒ Certified Check or Bond (Five Percent (5%)

**TERM OF CONTRACT**
- ☐ One Time Purchase
- ☐ Annual Requirements
- ☒ Other, Specify - Project Completion

**SAMPLE REQUIREMENTS**
- ☒ None required
- ☐ Samples required prior to Bid Opening
- ☐ Samples may be required subsequent to Bid Opening

**SECTION 255.05, FLORIDA STATUTES CONTRACT BOND**
- ☐ None required
- ☒ Bond required 100% of Bid Award

**QUANTITIES**
- ☐ Quantities indicated are exacting
- ☒ Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

**INSURANCE REQUIREMENTS**

**Insurance required**

| PAYMENT DISCOUNTS | |
|---|---|
| ☐ 1% 20, net 30<br>☐ 2% 10, net 30<br>☐ Other ____<br>☒ None Offered | |

| ENTER YOUR BID FOR IFB 1411808846 | TOTAL BID PRICE |
|---|---|
| **Total Bid Price (Enter total from cell F112 in the Bid Workbook)** | MB ~~$5,254,246.23~~ $6,305,095.55 MB |

☒ **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'S 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 Bidder's 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, and that the Bidder is an authorized distributor or manufacturer of the equipment that meets the Technical Specifications stated herein.

We have received addenda 1 through 5

Handwritten Signature of Authorized Officer of Company or Agent — 12/17/2024 Date

Cody Compton, CFO
Printed Name and Title

# COST REIMBURSEMENT AGREEMENT

This Cost Reimbursement Agreement ("Agreement") is entered into this 14 day of [redacted] between JEA (previously known as the Jacksonville Electric Authority), a body politic and corporate with its principal place of business located at 225 North Pearl Street, Jacksonville, Florida 32202 ("JEA") and Anheuser-Busch, LLC, a Missouri corporation authorized to do business in the state of Florida with its principal place of business located at One Busch Place, St. Louis, Missouri 63118 ("Owner").

## Recitals

**WHEREAS,** Owner is the owner of Real Estate Parcel No. 044143-0100 located in Duval County at 111 Busch Drive, Jacksonville, Florida 32218 (the "Property"); and

**WHEREAS,** it is necessary for JEA to abandon approximately one thousand linear feet of a 24-inch iron force main connected to the Property and relocate said force main as depicted in Exhibit A, attached hereto and incorporated herein (the "Utility Relocation"); and

**WHEREAS,** the relocated utilities will be located on the Property on Owner's side of the point of connection; and

**WHEREAS,** JEA and Owner wish to enter into an agreement detailing each party's obligations with respect to the Utility Relocation.

**NOW THEREFORE,** in consideration of the terms and conditions set forth herein, the sufficiency of which is mutually acknowledged, the parties agree as follows:

**1. Incorporation of Recitals.**

The recitals set forth above are incorporated into the body of this Agreement and adopted as findings of fact.

**2. Term and Termination.**

The term of this Agreement shall commence upon the date set forth above (the Effective Date) and shall terminate upon completion of the services unless earlier terminated as provided herein. This Agreement may be terminated as follows:

**a.** By written agreement of the parties; or

**b.** In the event one of the parties is in default of one or more of the terms of this Agreement and fails to cure such default within twenty (20) days of written notice from the non-defaulting party, the non-defaulting party may terminate this Agreement and pursue such other remedies available at law or equity as it deems appropriate; or

**c.** Either party may terminate this Agreement if: (i) the other party becomes insolvent, liquidates, dissolves or makes any assignment for the benefit of creditors; (ii) a proceeding in bankruptcy, reorganization, arrangement, moratorium, or other

debtor relief proceedings is instituted by or against the other party; or (iii) a trustee or receiver is appointed for the other party.

**3. Utility Relocation.**

(a) Owner shall remove or cause to be removed approximately one thousand linear feet of iron force main connected to the Property and shall relocate and replace it with C-900 PVC piping in conformance with the JEA Water and Wastewater Standards dated January 2024 (the "Standards"), as depicted in Exhibit A attached hereto and incorporated herein (the "Utility Relocation"). JEA agrees to reimburse Owner for all documented expenses that Owner incurs (the "Expenses") related to design and construction of the Utility Relocation. JEA shall reimburse Owner for all such Expenses in accordance with Section 5 below. As of the date of this Agreement, JEA's responsibility for the cost of the Utility Relocation is estimated to be four hundred fifty thousand dollars ($450,000.00) as more particularly set forth in Exhibit B. Prior to commencement of construction, the parties shall agree on a final project budget. In the event the final project budget exceeds the estimated project cost, this Agreement shall be amended to reflect the actual project cost. If the parties cannot agree to a final budget, this Agreement may be terminated, and JEA shall reimburse Owner for Expenses incurred prior to the date of termination.

(b) If the actual cost of the Utility Relocation is increased such that it exceeds the maximum indebtedness, Owner shall notify JEA in writing of the cost increase, including a detailed description of the increased costs and any applicable supporting documents. If JEA is in agreement with the increased costs, the parties shall execute an amendment to this Agreement increasing JEA's maximum indebtedness under this Agreement. JEA shall be under no obligation to issue reimbursement for payments made in excess of the maximum indebtedness prior to the execution of such amendment.

(c) Owner shall be responsible for administering all aspects of the contract for the Utility Relocation, including, but not limited to, review and processing of invoices and other contract documents, review and resolution of technical issues (whether foreseen or unforeseen) that arise during construction, and facilitating project close-out upon completion of construction. It shall also be Owner's responsibility to coordinate construction schedules of its contractors.

(d) Prior to commencement of construction, Owner shall submit construction plans to JEA for review. JEA shall review said plans for conformance with the Standards. Once construction has commenced, Owner may not modify the construction plans without JEA's written approval, which shall not be unreasonably withheld.

**4. Coordination of Parties.**

At all times during the performance of this Agreement, the parties shall coordinate with one another to ensure that the mutual goals set forth herein are achieved and that any issues are promptly resolved. The parties therefore agree to promptly provide upon request any data, information, or documentation reasonably necessary for the other party to perform its responsibilities under this Agreement.

**5. Compensation.**

(a) Compensation shall be made under this Agreement on a reimbursement basis. Upon the later of (i) Owner's payment to its contractor for the Utility Relocation pursuant to this Agreement or (ii) October 1, 2024, Owner shall submit an invoice to JEA. The invoice shall contain all Expenses Owner incurred for the Utility Relocation, and any supporting documentation necessary to evidence the payment requested in the invoice, including proof of payment of such invoices by Owner. Invoices shall be submitted to:

JEA
225 North Pearl Street
Jacksonville, Florida 32202
Attn:

JEA shall pay to Owner the invoiced amount within thirty (30) days of receipt of the invoice. If JEA requires additional documentation or information in connection with an invoice, it shall request such documentation or information within fifteen (15) days of the date of the invoice, and the time for payment shall be extended by the amount of time necessary for Owner to provide such documentation or information. If Owner does not receive a request for additional documentation or information within fifteen (15) days of the date of its invoice, it shall be presumed that the invoice contains sufficient information for JEA to process and pay the amount shown on the invoice.

(b) Except as expressly set forth herein, JEA's maximum indebtedness for Expenses under this Agreement shall be a fixed amount not to exceed four hundred fifty thousand dollars ($450,000.00).

**6. Indemnification.**

(a) By Owner. Owner agrees to indemnify, defend, and hold harmless JEA against all third-party claims, actions, losses, damages, injuries, liabilities, cost and expense of whatsoever kind or nature (including, but not by way of limitation, reasonable attorney's fees and court costs) ("Claims") to the extent caused by: 1) the negligence or willful misconduct of Owner or its contractor in performing the Utility Relocation or 2) the breach by Owner of any Owner representations or warranties herein. For purposes of this indemnification, the term "JEA" shall mean JEA as a body politic and corporate and shall include its governing board, officers, employees, successors and assigns (the "JEA Indemnitees"). This indemnification shall survive the term of this Agreement, for events that occurred during the term of this Agreement.

(b) By JEA. JEA agrees to indemnify, defend, and hold harmless Owner (including Owner's parents, affiliates, subsidiaries, and their respective officers, employees, agents, successors and assigns) against: 1) breach by JEA or any JEA Indemnitee of any JEA representations and warranties herein and 2) all Claims to the extent caused by the negligence or willful misconduct of JEA or JEA Indemnitees. JEA's obligations under this subsection shall be subject to and within the limitations set forth in Section 768.28, Florida Statutes. Nothing herein shall be construed as a waiver of JEA's sovereign immunity or of consent by JEA to be sued by a third party.

**7. Force Majeure.**

Neither party shall be liable for any default or delay in the performance of its obligations under this Agreement due to an act of God or other event to the extent that: (i) the non-performing party is without fault in causing such default or relay; (ii) such default or delay could not have been prevented by reasonable precautions; and (iii) such default or delay could not have been reasonably circumvented by the non-performing party through the use of alternate sources, work-around plans, or other means. Such causes include, but are not limited to, act of civil or military authority (including but not limited to courts or administrative agencies); acts of God; war; terrorist attacks; riots; insurrection; inability of Owner to obtain any required permits, licenses, or zoning; blockades; embargo; sabotage; epidemics; fires; hurricanes; tornadoes; floods; or strikes. In the event of any delay resulting from such causes, the time for performance of each of the parties hereunder (including the payment of monies if such event actually prevents payment) shall be extended for a period of time reasonably necessary to overcome the effect of such delay, except as provided for elsewhere in this Agreement. In the event of any delay or nonperformance resulting from such causes, the party affected shall promptly notify the other in writing of the nature, cause, date of commencement and the anticipated impact of such delay or nonperformance. Such written notice shall indicate the extent to which it is anticipated that any delivery or completion dates will be thereby affected within seven (7) calendar days.

**8. Notice.**

All notices under this Agreement shall be in writing and shall be delivered by email, certified mail (return receipt requested), or by other delivery with receipt to the following:

As to JEA:

JEA
225 North Pearl Street
Jacksonville, Florida 32202
Attn:

Email:

As to Owner:

Anheuser Busch, LLC
111 Busch Drive
Jacksonville, Florida 32218
Attn: John Vodenicker

Email: john.vodenicker@anheuser-busch.com

With a copy to:

Anheuser-Busch, LLC
One Busch Place, 202-7
St. Louis, MO 63118
Attn: Legal Department

9. **Representations and Warranties.**

Each party represents that: (i) it has full corporate, company or statutory authority, as applicable, power and authority to execute, deliver, and perform this Agreement; (ii) this Agreement has been duly authorized and executed by it, is its legal, valid, and binding obligation, and is enforceable against such party in accordance with its terms; (iii) it is not required to obtain the consent of any other party for the execution, delivery, or performance of this Agreement; (iv) and the execution, performance, and delivery of this Agreement shall not constitute a breach of any other agreement to which it is a party, nor will it violate, conflict with, or result in a breach of any law, order, judgment, decree, or regulation binding on it or to which any of its material business, properties or assets are subject; and (v) there are no claims, actions, suits, or proceedings pending against it or its governing board, officers, or employees, the outcome of which could materially and adversely affect the transactions contemplated by this Agreement, and it is not subject to any order, writ, injunction or decree which could materially and adversely affect its ability to performs the transactions contemplated by this Agreement.

**10. Compliance with Applicable Law.**

The parties shall comply with all applicable federal, state, and local laws, rules, and regulations as may be amended from time to time in their performance under this Agreement.

**11. Relationship between Parties.**

Neither party shall have the authority under this Agreement to bind the other party or to assume any obligation or responsibility, whether express or implied, on the other party's party or in the other party's name, except as may be authorized in a separate written document. Nothing in this Agreement shall be construed to create a partnership, joint venture, agency, or fiduciary relationship between JEA and Owner.

**12. Choice of Law and Venue; Attorneys' Fees.**

(a) This Agreement shall be construed according to the laws of the state of Florida. Each party irrevocably submits to the jurisdiction of the courts of Florida and further agrees that venue for any action arising under this Agreement shall lie exclusively in the state and federal courts located in Duval County, Florida having jurisdiction over such legal actions.

(b) In the event either party alleges in any lawsuit that the other party breached any of its obligations under this Agreement, the prevailing party shall be awarded its reasonable attorneys' fees from the non-prevailing party.

**13. Execution in Counterparts.**

This Agreement, and all amendments hereto, may be executed in several counterparts, each of which shall be deemed an original, and all of such counterparts together shall constitute one and the same instrument. This Agreement may be delivered by facsimile or by email transmittal of a PDF image, and such facsimile or PDF counterparts shall be valid and binding on JEA and Owner with the same effect as if original signatures had been exchanged.

**14. Severability.**

In the event any portion of this Agreement is declared void, invalid, or otherwise unenforceable by a court of competent jurisdiction, such portion shall be severable and shall not affect the remaining portions of this Agreement not having been declared void, invalid, or otherwise unenforceable.

**15. Time of the Essence.**

Time is of the essence with respect to the provisions of this Agreement.

**16. Waiver.**

A delay or omission by either party to exercise any right or power under this Agreement shall not be construed to be a waiver thereof. A waiver by either party of any right under this Agreement shall not be effective unless it is in writing and signed by such party.

**17. Assignment.**

Neither party shall assign, delegate, or otherwise dispose of this Agreement, or any of its obligations under this Agreement, without the prior written consent of the other party. Any assignment of this Agreement shall not relieve a party of its obligations unless the other party expressly consents thereto. If either party assigns this Agreement to a third party with the other party's consent, this Agreement will be binding on, and inure to the benefit of, the permitted assignee.

**18. Survival.**

Any provision of this Agreement that, by its nature, is applicable to circumstances arising after the termination or expiration of this Agreement shall survive such termination or expiration and remain in effect.

**19. Interpretation of this Agreement.**

This Agreement and its specifications, terms, and conditions have been the subject of meaningful analysis and discussions by both Owner and JEA. Therefore, doubtful or ambiguous provisions, if any, contained within this Agreement shall not be construed against the party who prepared this Agreement.

**20. Authority to Execute.**

Each party represents and warrants to the other party that it has full right and authority to execute and perform its obligations under this Agreement, and each party and the person(s) signing this Agreement on its behalf represent and warrant to the other party that such person(s) are duly authorized to execute this Agreement on its behalf without further consent or approval by anyone. Each party shall deliver to the other party promptly upon request all documents reasonably requested by that party to evidence such authority.

**21. Entire Agreement.**

This Agreement constitutes the entire agreement between the parties with respect to the subject matter contained herein. No statement, representation, writing, understanding, or agreement made by either party, or any representative of either party, which is not expressed herein, shall be binding. All changes, additions, modifications, or amendments to this Agreement, shall be binding only when in writing and signed by the authorized representative of each party.

**IN WITNESS WHEREOF**, JEA and Owner have duly executed this Agreement as of the date set forth above.

**OWNER**

John Vodenicker

John Vodenicker

Print Name and Title

Engineering Manager

DocuSigned by:
Hannah Jones
DBFC0810C68422

Hannah Jones

Print Name and Title

Procurement CapEx Manager

**JEA**

Hai V. Vu

HAI X. VU, VP - WATER & WASTEWATER SYSTEM

Print Name and Title

**ATTEST:**

JOE PEREZ

JOE PEREZ, Procurement Portfolio Mgr

Print Name and Title

**Approved as to form and format**

Rebecca Lavie

Office of General Counsel

**EXHIBIT A**

**Depiction of Proposed Utility Relocation**

# EXHIBIT A

## ANHEUSER-BUSCH, INCORPORATED

Scope of Work

Project Number PS-045549

Work Package No. 200
JEA Force Main Replacement

Jacksonville Brewery
Jacksonville, Florida

Issued for Construction

07/1/2024

# TABLE OF CONTENTS

# SCOPE OF WORK

## 1. GENERAL PROJECT DESCRIPTION

1.1. This Scope defines Contractor's responsibilities for the Work designated as Project Number PS-045549, Work Package (WPK) Number 200, for the New JEA Force Main Project at the Jacksonville Brewery. Generally, this Scope covers installation of a new underground wastewater force main from the site pump house to an existing JEA force main tie-in valve located at the southeast corner of the brewery property (near Busch Drive). The scope also includes demolition of existing force main sections. This Document, together with the Drawings, Technical Provisions (TPs), vendor prints, JEA Specifications and various other technical documents referenced herein, comprises the Scope of Work. All items necessary to make the systems involved complete and workable are part of such Work.

1.2. For clarification of new construction on existing Drawings, the new construction has been encircled and tagged "Project PS-045549, WPK 200" to define the required Work.

## 2. CONTRACTOR'S WORK

The following is a general guide to Contractor and is not intended to be complete in every detail. Contractor shall refer to all sections of the Contract Documents for specific requirements.

2.1. Demolition

2.1.1. Civil Demolition

2.1.1.1. Contractor shall provide pre-construction survey work to identify and mark all below grade piping and electrical interferences along the proposed new underground force main route. Contractor shall consult the Owner's Representative regarding any identified interferences and proposed mitigation prior to starting any excavation or trench work.

2.1.1.2. Contractor shall trench and excavate as required for the installation of the new 16 inch underground force main piping per TP-2, TP-52 and JEA Specification Section 408.

2.1.1.3. Contractor shall relocate magnolia shrubs located in proposed new underground force main route as directed by the Owner's Representative based on final force main routing and other identified underground piping from survey.

2.1.1.4. Contractor shall hand dig or hydro excavate areas identified on drawing JAB-83-20180041B to protect identified tree's, irrigation or other buried utilities. Contractor shall avoid cutting any tree roots

greater than 2 inch diameter without consent of Owner's Representative.

2.1.1.5. Contractor shall cut and remove asphalt as required to support new 16 inch force main pipe route.

2.1.2. Insulation Removal

2.1.2.1. Contractor shall remove blanket insulation on existing 8 inch force main piping to be demolished. Undamaged insulation may be used for new piping/valves.

2.1.3. Piping Demolition

2.1.3.1. Contractor shall demolish the piping sections and devices marked for demolition on drawing JAB-83-20180041B. Contractor shall demolish piping back to and including the tee at the source header, unless indicated otherwise in the Drawings. Contractor shall retain valves and fittings as shown on demolition for re-use.

2.1.3.2. Contractor shall demolish irrigation system (piping, wiring, etc.) as required to allow trenching for new force main. Contractor shall retain irrigation valves, spray heads, and other irrigation system relate components for reuse.

2.2. Installation

2.2.1. Civil Installation

2.2.1.1. Contractor shall repair asphalt removed for trenching to match existing per TP-10.

2.2.1.2. Contractor shall fill trenching for new force main per TP-55 and JEA Standard 408.

2.2.2. Insulation Installation

2.2.2.1. Contractor shall insulate new above ground force main piping and valves up to the new 16 inch flange at stainless steel / PVC transition to match existing blanket insulation. Contractor may re-use undamaged blanket insulation removed from demolished sections.

2.2.3. Piping Installation

2.2.3.1. Contractor shall furnish and install all piping as shown in the Contract Documents. Pipe routing on drawings JAB-83-20180041A & B is intended to show general routing. Contractor shall utilize these drawings for planning the Work. Contractor shall accomplish final fit-up piping to connect at identified tie-points. Piping shall be:

Above Ground: AB Class X1 – SS 304L Sch. 10S

Below Ground: PVC-DR25 per JEA Standard 429 (Locate Wire NOT required)

2.2.3.2. Contractor may utilize its hand-marked isometrics and add, by hand, the necessary information to create fabrication grade isometric drawings.

2.2.3.3. To eliminate field interferences, Contractor shall field measure and verify pipe routing with Owner's Representative before Contractor fabricates or installs pipe. All such Work is contained in the Contract Sum. Contractor shall coordinate routing with all other disciplines.

2.2.3.4. Contractor shall furnish and install all manual valves, fittings and flanges as required and indicated on drawing JAB-83-20180041B. Contractor shall submit to Owner three copies of catalog cuts, or certified drawings, for all valves and piping items Contractor furnishes.

2.2.3.5. Contractor shall install new below grade gate valve and valve box per JEA Specification 430. Gate Valve shall be American Flow Control Model 2500 – 16" with mechanical joint connections.

2.2.3.6. Contractor shall reconnect all demolished and disconnected irrigation system piping to re-establish irrigation function and confirm with functional testing.

2.2.3.7. Contractor shall replace existing pressure gauge that was removed for new pipe installation to match existing.

2.2.3.8. Contractor shall furnish and install all pipe hangers, and supports as shown in the Drawings, or otherwise as necessary to meet the requirements of TP 60 and JEA Standard 429.

2.3. System Testing

2.3.1. Contractor shall test all piping systems per TP 60 and JEA Standard 429 along with the following clarifications:

2.3.1.1. Contractor shall provide all systems testing, including taps, vents, blind flanges, plugs, pancakes, hoses, spools, strainers, and all other material as required for testing of systems and removal after testing. Contractor shall not install relief valves, pressure gauges, magmeters, and pressure switches in pipe lines until after Contractor successfully tests and cleans each line of the system. Contractor shall not test against any of the isolation valves separating operating systems.

2.3.1.2. Contractor shall furnish and use a chart recorder on hydrostatic tests, as well as pneumatic tests. The chart shall indicate the test package number and the date of the test and shall have a place for signatures reflecting acceptance by Owner's Representative and Contractor. Contractor shall submit the original charts to Owner's Representative upon completion of each test package. Contractor shall complete all information required on the "Test Package Sheets." Contractor shall generate all work list items by walking each line(s) of the specific test

package and listing those items on the “Test Package Sheets” – see TP 60, Appendix VI.

2.3.1.3. Contractor shall prepare individual “Test Packages” for Owner’s Representative’s approval before Contractor tests the systems. Owner’s Representative will walk through each test package with Contractor prior to any testing, and will sign off that the test package is ready for actual testing. Each “Test Package” shall consist of highlighted P&IDs indicating lines to be tested, valve positions, locations of required blinds, temporary connections, temporary spools, strainers, and all similar items. The associated Contractor-generated isometric drawings shall be listed and included as back-up for each test package. After Contractor submits, and Owner approves, the test package, Contractor shall give Owner a minimum of two weeks’ notice prior to system testing.

## 3. GENERAL REQUIREMENTS

3.1. Contractor shall furnish all labor, adequate and qualified supervision, materials (except as noted as supplied by Others), construction equipment, tools, staging, scaffolding, and all other incidentals necessary to complete this Scope of Work.

3.2. Contractor shall furnish all materials in accordance with the Owner’s Preferred Supplier Agreements (Attachment “PSA”) unless otherwise approved by Owner’s Representative and/or specified in the Contract Documents.

3.3. Contractor shall furnish a Project Management Team responsible for the total coordination, planning, scheduling, reporting, tracking, and execution of this Scope. A representative having full authority to act on the behalf of Contractor shall be on site any time Work within this Scope is being performed. Minimum on-site staffing shall be:

Full Time, On-Site Superintendent

3.4. Contractor shall check all associated documents against the revision number and dates as listed in this Scope of Work. Contractor shall inform Owner in writing in case of discrepancies, and shall obtain the correct document as listed in this Scope of Work.

3.5. Order of Precedence

3.5.1. (Contract Documents are complimentary and precedence shall only apply in matters of discrepancies).

3.5.2. General Construction Work Order of Precedence:

| | |
|---|---|
| First | Narrative Scope of Work (this Document) |
| Second | Drawings |
| Third | Technical Provisions |

3.5.3. Piping Drawings Order of Precedence

| | |
|---|---|
| First | Piping & Instrumentation Diagrams (P&IDs) |
| Second | Piping Drawings and Loops |
| Third | Isometrics (*if furnished*) |
| Fourth | Piping Line List |
| Fifth | TPs |

3.5.4. Instrumentation Drawings Order of Precedence

| | |
|---|---|
| First | Piping & Instrumentation Diagrams (P&IDs) |
| Second | Instrument Index |
| Third | Loop Drawings |
| Fourth | TPs |

3.5.5. Electrical Drawings Order of Precedence

| | |
|---|---|
| First | Schematics |
| Second | Single Lines, Loops, Interconnect |
| Third | TPs |

3.6. Contractor shall provide a dumpster on-site at all times during the Project.

3.7. On-Site Restrictions

3.7.1. Work Hours shall be from 7:00 a.m. to 3:30 p.m., unless otherwise approved by the Owner's Representative.

3.7.2. Contractor shall obtain approval from Owner's Representative for access routes to roof areas, and shall submit a plan for protective measures needed to prevent roof damage.

3.7.3. Construction Use Areas:

3.7.3.1. Contractor shall enter Owner's facility through the construction entrance and shall park in the designated construction parking area.

3.7.3.2. Owner will provide and designate a fabrication area.

3.7.3.3. Owner will provide and designate a storage area for construction materials, tools and equipment.

3.7.3.4. Owner will provide and designate a cleanup area (e.g., for concrete trucks, spoils area).

3.7.3.5. Owner will provide and designate appropriate crane set-up areas.

3.8. Project Meetings

3.8.1. Contractor shall attend weekly construction meetings.

3.9. Temporary Facilities and Construction Controls

3.9.1. Owner will provide a location for a temporary office trailer. All utilities shall be provided by Contractor.

3.10. Construction Plan Check and Permits

3.10.1. Contractor shall obtain and pay for any applicable plan check application fees at net cost. Contractor shall obtain, as required, and pay for all construction permits required for the Work.

3.10.2. Contractor shall obtain and pay for all construction permits required by Work, including disposal permits and fees. Actual costs of the construction permits shall be reimbursed to Contractor. Owner shall obtain any required air permits. Contractor shall obtain the local storm water and sanitary sewer approvals and permits.

3.10.3. Contractor shall obtain all required site inspections including structural observation, intermediate, and final as required by this Work. Upon completion of Work and receipt of final sign-off by the applicable agencies, as required, Contractor shall immediately turn over one set of record as-built drawings, the original permit drawings, the signed-off and completed original building permit, and the certificate of occupancy to Owner.

3.10.4. Contractor shall obtain all permits and inspections required for installation of temporary power system, including generation of single line drawings for plan check.

3.11. Contractor shall protect from damage all existing operating, standby, or new equipment with temporary covers or enclosures as needed, without blocking access or use of the equipment. Contractor shall install temporary barricades to protect and separate all of Owner's personnel and operations from the Work as directed by Owner's Representative. Contractor shall prevent marking of floor by equipment. Contractor shall protect floor from leaking fluids.

Work on equipment on finished floor level shall be barricaded by Contractor from floor to ceiling. Contractor shall construct barricades in wood frame 8-foot x 8-foot sections with fire-retardant visqueen to the ceiling.

Membrane Protection

Where roof top access is required, Contractor shall provide protection of roofs for staging and/or demolition or other related foot traffic with a minimum of two layers of ¾-inch plywood over the top of 1-inch extruded polystyrene insulation board. Plywood shall either be weighted sufficiently by Contractor to resist wind up-lift or removed, stored, and secured daily at Contractor's option. Contractor shall investigate the structural roof deck and support system to ensure that safe load limits are not exceeded.

3.12. Contractor shall provide covered storage for all items of material that cannot be accommodated within the Owner's facility. If equipment is stored outdoors, Contractor shall place such equipment on dunnage.

3.13. Contractor shall verify all locations, dimensions, and elevations in the field.

3.14. Where core drilling is required, Contractor shall provide manpower on the opposite side of the floor or wall for safety.

3.15. As-Built Drawings

3.15.1. Contractor shall submit to Owner's Representative record sketches (red line sketches) of all underground or subsurface installations before the equipment or materials are encased or covered.

3.15.2. Contractor shall submit all as-built drawings required by the General Conditions as record sketches (red line sketches) to Owner's Representative within two weeks of Contractor's completion of the installation.

3.16. Contractor shall accomplish modifications, relocations, and tie-ins of equipment and piping with minimum downtime of existing brewery operations. Contractor shall schedule with Owner's Representative in advance, and with Owner's approval in writing, all such tie-ins. The Contract Sum reflects Contractor working continuously until tie-in is complete. Contractor shall prepare a file of each tie-in for review and approval by Owner's Representative. This file shall include:

3.16.1. Detailed hour-by-hour man-loaded schedules reflecting scheduled outages by Contractor. These schedules shall reflect all planned activities by all crafts, showing: pre-work, operations downtime, construction activities, construction completion, check-out, start-up, and turn-over for Owner's production.

3.16.2. List of equipment or systems affected by shutdown.

3.16.3. Location of shutdown (valve, breaker, etc.).

3.16.4. Detailed "Disruption of Operation Notification."

Contractor shall submit this file a minimum of two weeks prior to the scheduled shutdown, and no later than fourteen days after Owner's Notice to Proceed.

3.17. The Mechanical Equipment Arrangement (MEA) Drawings show the general outline of platforms including ladders and/or stairs. Contractor shall field-verify that all platform configurations are within ¾-inch of the adjacent equipment prior to fabrication of the platform and after installation of equipment. Contractor shall field-verify all dimensions prior to fabrication. The Contract Sum includes field-verification and any necessary modifications to Contractor-furnished platforms and structural steel.

3.18. Contractor shall maintain all Plant lighting levels in Work area by employing temporary two-tube fluorescent fixtures equipped with Federal Drug Administration (FDA) approved covers.

3.19. Contractor shall verify in writing that all materials Contractor installed are asbestos free. Contractor shall furnish and install "Asbestos Free" labels on insulated pipe and equipment. Labels shall be

"Panduit", catalog series number PMR138 sized to fit outside diameter of pipe insulation or equipment. Contractor shall furnish and install stainless steel banding to attach labels to piping. Contractor shall affix "Asbestos Free" labels to equipment in a manner approved by Owner's Representative.

3.20. Owner-furnished Items

3.20.1. Contractor shall receive, unload, inspect, store as directed, protect from damage, remove from storage, hoist, set, and mechanically install in its permanent location all Owner-furnished equipment listed in Section 9 of this Scope of Work.

3.20.1.1. "Mechanically install" includes, anchoring to its foundation, leveling, aligning, grouting, and connecting to chutes, ducting, and stacks as shown in the Drawings.

3.20.2. Receiving

3.20.2.1. Contractor shall inspect and verify all Owner-furnished equipment against the Contract Documents and shall report to Owner's Representative any discrepancies within forty-eight hours after Contractor receives the equipment.

3.20.2.2. Contractor shall check the oil level in all gearhead drive motors, furnish oil, fill as required with the type oil recommended by the equipment manufacturer, tag the motor to indicate that the oil level was checked, and indicate the corresponding date.

3.20.2.3. Contractor shall lubricate all nonsealed bearings, including purging and priming all lubrication lines.

3.20.2.4. Owner will provide and designate a location for storage of Owner-furnished equipment.

3.20.3. Assembly

Contractor shall furnish and install stainless steel floor anchors as specified in the Contract Documents.

3.21. Work in this Contract involves existing materials that may contain asbestos. Contractor shall immediately report to Owner's Representative any materials suspected to contain asbestos. Owner will test and remove such materials as necessary.

3.22. Contractor shall follow the requirements of TP 1B when encountering lead in the performance of the Work.

## 4. SPECIAL REQUIREMENTS

4.1. Area Classifications and Designations

4.1.1. The Jacksonville Brewery is a food processing plant. Special installation methods and materials are required to help maintain a proper degree of cleanliness.

4.1.2. The Brewhouse, Stockhouse and Yard contains areas that are potentially hazardous due to the raw materials or other products required for production.

4.1.3. Contractor shall refer to Technical Provision TP99 and Contract Documents for definition of various areas within the Jacksonville Brewery and to other Technical Provisions and Contract Documents for detailed requirements concerning materials and methods of construction required within those defined areas.

4.1.4. All areas not specifically designated by the Drawings or the Contract Documents as having a special area classification or designation shall be considered general-purpose areas.

4.2. Existing Regulated Conditions

4.2.1. Special Work Hours

4.2.2. Regulated Materials

4.2.2.1. Contractor-Supplied: Contractor shall supply to Owner a listing of all regulated materials Contractor proposes to use on site. This listing shall include detailed Material Safety Data Sheets (MSDS) plus Contractor's approximate quantities, dates on site, storage requirements, accident prevention, and spill containment and clean up requirements for each Contractor-supplied material.

4.2.2.2. Owner items: A complete listing of Owner's materials on site and MSDS is available upon request by Contractor.

4.3. Safety and Environment Concerns

4.3.1. Contactor and its sub-contractors will be expected to fully comply with the plant Contractor Safety Program. Plant safety information can be found in both the Outside Contractor's Information Booklet and the evacuation manual. Contractor shall give each employee who will be working on-site an Outside Contractor's Information Booklet and an evacuation manual and to ensure that each employee understands the information.

## 5. SEQUENCE OF EVENTS/PHASING OF WORK

5.1. Contractor shall plan the Work in accordance with the milestone schedule provided by Owner.

## 6. OWNER DRAWING LISTS

6.1. Drawings

Piping

| Drawing Number | Rev | Title |
|---|---|---|
| JAB-83-P-20180041A | 0 | PIPING PLAN – FORCE MAIN PIPING MODIFICATIONS |
| JAB-83-P-20180041A | 0 | PIPING ISOMETRIC – FORCE MAIN PIPING MODIFICATIONS |

6.2. Reference Drawings

| Drawing Number | Rev | Title |
|---|---|---|
| Project #12514 Sh. 8 of 8 | As-Built 08/25/14 | JEA Drawing – Survey of Force Main Line t ABInBev Stub Valve Connection at SE Property Line |
| Project # 6710 Sh. 4 of 8 | As-Built 02/69 | JEA Drawing – Survey of 24" Cast Iron Force Main Line at ABInBev Pump House Area – To be abandoned in place. |

## 7. VENDOR DRAWINGS AND DOCUMENTS

7.1. General Provisions

7.1.1. Contractor shall check for the latest vendor information available prior to starting Work. Contractor shall maintain current copies of vendor (Owner-furnished) shop drawings, installation manuals, and shall field-assemble such equipment as required by these documents.

7.1.2. The Drawings are based on "typical" equipment drawings and dimensions. Contractor shall verify all equipment nozzle locations and sizes (horizontal and elevations), pump suction and discharge location and sizes (horizontal and elevations) against actual equipment prior to fabrication of piping. Contractor shall also verify size and take out dimensions for all in-line instruments prior to fabrication. Contractor shall make all adjustments to piping, including fittings, as a result of differences found.

## 8. SPECIFICATION LIST

8.1. Technical Provisions

| T.P. | TITLE | DATE |
|---|---|---|
| 1 | Demolition | 10/18/1994 |

| T.P. | TITLE | DATE |
|---|---|---|
| 2 | Site Preparation and Earthwork | 8/28/2008 |
| 10 | Flexible Paving | 10/18/1994 |
| 52 | Earthwork for Underground Piping, Sewers and Conduit | 8/4/2008 |
| 55 | Underground Yard Piping | 9/30/1999 |
| 60 | Process and Utility Piping | 5/11/2018 |
| 99 | Area Classifications and Designations | 4/16/2018 |

| GTS | TITLE |
|---|---|
| GTS.GEN.MAN.GSP.001 | General Maintenance Specification |
| GTS.GEN.SFT.GSP.001 | Contractor Safety Requirements |
| GTS.GEN.SFT.GSP.002 | General Areas Safety |
| GTS.GEN.SFT.GSP.012 | Maintenance Safety |
| SGD.NA.JAX.R01 | Site General Data (JAX Brewery) |

## 9. OWNER-FURNISHED EQUIPMENT and MATERIAL LIST

| Equipment # or Item | Qty | Description | Reference Information |
|---|---|---|---|
| 8 inch Gate Valve | 1 | Existing Gate valve to re-use | |
| PT183-015 | 1 | Existing Pressure Transmitter to re-use including fittings | |
| | | | |
| | | | |

## 10. CONTRACTOR SUBMITTAL REQUIREMENTS

10.1. Contractor shall submit to Owner's Representative for review documentation necessary to support the requirements of the TPs.

Contractor shall refer to individual TPs for detailed submittal requirements.

10.2. Contractor shall not deviate from the requirements in Technical Provisions, Technical Provision Supplements, and data sheets without prior written approval from Owner's Representative. Before a deviation will be considered, Contractor shall submit immediately to Owner the reason for the proposed deviation and all appropriate data sheets required to verify that substitute equipment or materials meet all of Owner's requirements.

10.3. Contractor shall submit to Owner's Representative a Fall Protection, Excavation, and Evacuation Plan.

10.4. Within no more than two weeks after Owner awards the contract to Contractor, Contractor shall submit to Owner's Representative a schedule of all submittals Owner requires for the Work.

## 11. MISCELLANEOUS ATTACHMENTS

| ATTACHMENT | DATE | # OF PAGES |
|---|---|---|
| Standard Attachments | | |
| Mechanical | | |
| ABI Hazardous Materials Container and Pipe Labeling | 08/20/07 | 28 |
| Mechanical Construction Complete Checklist | 01/05/98 | 1 |
| Electrical | | |
| Anheuser-Busch Companies Electrical Power and Control Installation Guidelines | 01/09/01 | 11 |
| Electrical Construction Complete Checklist | 01/05/98 | 1 |
| Miscellaneous | | |
| Preferred Supplier Agreements, Attachment "PSA" | 06/04/08 | 7 |
| Standard Legends, Symbols and Abbreviations Guide | 06/15/05 | 78 |
| Hexavalent Chromium Protection Requirements | 03/01/07 | 12 |
| Compliance with GCC 2.07 Requirements | 12/19/06 | 5 |
| Project Specific Attachments | | |
| Mechanical | | |
| Tie-Point List | 9/17/18 | 1 |
| JEA Standard 408 | 1/1/18 | 11 |
| JEA Standard 429 | 10/18/17 | 39 |
| JEA Standard 430 | 1/1/18 | 17 |
| American Flow Control – Series 2500 Resilient Wedge Gate Valve | | 63 |
| PS-045549 Photo Scope of Work | 9/17/18 | 2 |

-- END OF SCOPE OF WORK --

Regular Agenda #3 Supporting Document 1/16/25

NOTES :

1.) SITE OPENINGS WHICH ARE NOT IDENTIFIED ARE ON THEIR OWN LAYER

STORMWATER OUTFALL No. 2

REACTOR

REACTOR

T-8,13,15,16

19

ASPHALT

19-B

19-A

STORMWATER OUTFALL No. 1

S-55

30

DRY WEATHER PUMP BACK SYSTEM

ASPHALT

ROADSIDE SWALE

GRASS & RETEN POND

S-98

S-32

S-31

S-33

24A

25

24

10

46

S-43

GRAVEL PARKING AREA

S-42

ASPHALT & CONCRETE

S-34

S-38

S-35

S-36

RETENTION "B"

S-45

CURB

S-46

S-47

S-48

GRASS

EXISTING RETENTION 3

RETENTION "A"

S-49

ASPHALT

S-50

S-97

S-51

S-52

S-53

GRASS

CONCRETE CURB

S-54

ASPHALT & CONCRETE

CONCRETE

S-96

S-93

S-95

S-94

S-92

S-91

S-110

S-114

S-90

S-89

S-88

S-87

GRASS

31

RAMP

S-86

S-82

S-84

ASPHALT

MH197

S-81

S-79

S-76

SCALE

21

S-80

ASPHALT

GATE

S-78

OVERHEAD CANOPY

(GUARD AREA) BLDG.

SAN-6

OVERHEAD CANOPY

S-101

SAN-13

S-102

STAIR TOWER

SAN-11

OP-76

SAN-114

SAN-12

P-75

P-71

SAN-10

S-103

OP-68

S-63

SAN-12

S-74

SIDEWALK

(DINING ROOM)

1

44

S-72

S-73

ASPHALT PARKING (EMPLOYEE/VISITOR)

ASPHALT PARKING (EMPLOYEE)

ASPHALT PARKING (CONTRACTOR)

BLDG.

ASPHALT

28

26

CONTROL STA.

RETENTION POND

EXCERCISE BLDG.

34

CONTROL ARM

6' CLF (TYPICAL)

BRICK FENCE

BRICK FENCE

BUSCH DRIVE

BUSCH DRIVE

120.32'

61.32'

120.32'

56.6'

MAST ARM

MAST ARM

ASPHALT

GATE

PROPOSED FENCE

STOP SIGN

P

BLDG. 6

6-A

6-B

7

7-B

T-7/7-A

T-19

T-21

GRATING

S-13 (DOMED)

SANITARY SEWER

S-3

S-4

S-5

S-6

S-7

S-56

S-57

S-8

S-9

S-10

S-11

P-20

T-10

S-98

S-26

S-25

P-51

T-18

T-17

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43

T-2 TANK

T-3 TANK

37-A

S-28

S-27

S-29

S-30

S-31

S-32

S-33

S-34

S-35

S-36

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11-A

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P-985

P-986

P-987

P-988

P-989

P-990

P-991

P-992

P-993

P-994

P-995

P-996

P-997

P-998

P-999

P-1000

EXISTING FORCE MAIN PIPING MODIFCATIONS THIS AREA FOR DETAILED INFORMATION SEE PIPING ISOMETRIC JAB-83-P-20180041B

TP-001 TP-002 TP-003

NEW PIPING ROUTE FOR FORCE MAIN, FOR DETAILED INFORMATION SEE PIPING ISOMETRIC JAB-83-P-20180041B

JEA TIE-IN, SEE PIPING ISOMETRIC TP-004 JAB-83-P-20180041B

TANK

T-15-A BLDG. ELECTRIC GEAR ROOM 15

T-20

13

13-A

66

LOADING DOCK

33

LEGEND :

| SYMBOL | DESCRIPTION |
|---|---|
| S | SEWER WATER |
| P | PROCESS DRAIN |
| SAN | SANITARY SEWER |
| ○ | MANHOLE COVER |
| □ | CATCH BASIN (DRAIN) |
| – | NEW FORCE MAIN LINE ROUTE |

## PIPING PLAN - FORCE MAIN PIPING MODICATIONS

SCALE: NTS

N

| NO. | DATE | DESCRIPTION OF REVISION OR ISSUE | BY | CK. | PROJ. ENGR. | A.S. APPROVAL |
|---|---|---|---|---|---|---|
| 0 | 9-3-18 | IFC | MJL | MSH | JV | |

ESR: –
DESIGNED: –
DRAWN: MJL
CHECKED: MSH
SCALE: NTS
DATE: 2-20-18

ANHEUSER-BUSCH COMPANIES
ANHEUSER-BUSCH, INC.
JACKSONVILLE BREWERY

PROJ. PS-038636

JEA WASTEWATER PROJECT
PIPING PLAN – FORCE MAIN PIPING MODICATIONS
–
–

BLDG.NAME: YARD BLDG. NO. –

ENGINEER APPROVED –
OWNER APPROVED –

| PLANT | BLDG.NO. | DIV. | DWG.NO. | REV. |
|---|---|---|---|---|
| JAB | 83 | P | 20180041A | 0 |

CONSULTANT

TECHNICAL ASSOCIATES
3650 KENNESAW 75 PKWY NW
KENNESAW, GA 30144
770-997-7731 (OFFICE)
–

NOTE: THIS IS A C.A.D. PRODUCED DRAWING / DO NOT MAKE ANY CHANGES ON THIS ORIGINAL

# EXHIBIT B

## Cost Estimate for Utility Relocation

## Sencer, Justin B

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Tuesday, July 2, 2024 10:19 AM
**To:** Sencer, Justin B
**Subject:** RE: Funding for project
**Attachments:** 20180041A_OVERALL PIPING PLAN_REV0-Model.pdf; 20180041B_PIPING ISOMETRIC_REV0-Model.pdf

[External Email - Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.]

We did not do a formal cost estimate this go around, because of the work we did in 2018. With normal inflation, I am expecting the project value to be $430,000. We spoke earlier about an NTE of $450,000 (giving us $20,000 in contingency). This can likely be revised downward once the bids are received late July. And we are happy to be candid with our actual project costs.

Attached is the general routing of the new 16" forced main.

---

**From:** Sencer, Justin B <sencjb@jea.com>
**Sent:** Tuesday, July 2, 2024 10:05 AM
**To:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Subject:** RE: Funding for project

**EXTERNAL EMAIL: Be cautious with links and attachments.** **sencjb@jea.com**

---

John –

Excellent. Do you have a set of the drawings and a cost estimate JEA can incorporate into the reimbursement contract?

Sincerely,

Justin B. Sencer, P.E.
Tel: (904) 665-6826

---

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Tuesday, July 2, 2024 9:18 AM
**To:** Sencer, Justin B <sencjb@jea.com>
**Subject:** RE: Funding for project

[External Email - Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.]

Yes, three bidders.

---

**From:** Sencer, Justin B <sencjb@jea.com>
**Sent:** Tuesday, July 2, 2024 8:53 AM
**To:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Cc:** Sams, Masa P <samsm@jea.com>; Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>; Shaffer, Nisa <Nisa.Shaffer@anheuser-busch.com>
**Subject:** RE: Funding for project



---

John –

I'll follow up and get back to you. Did you have a good response to the pre-bid?

Sincerely,

Justin B. Sencer, P.E.
Tel: (904) 665-6826

---

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Tuesday, July 2, 2024 8:14 AM
**To:** Sencer, Justin B <sencjb@jea.com>
**Cc:** Sams, Masa P <samsm@jea.com>; Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>; Shaffer, Nisa <Nisa.Shaffer@anheuser-busch.com>
**Subject:** RE: Funding for project



I have not (yet) received anything from JEA for this project.

---

**From:** Sencer, Justin B <sencjb@jea.com>
**Sent:** Thursday, June 27, 2024 11:42 AM
**To:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Cc:** Sams, Masa P <samsm@jea.com>; Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>; Shaffer, Nisa <Nisa.Shaffer@anheuser-busch.com>
**Subject:** RE: Funding for project



---

John –

Very good. JEA Procurement has drafted the reimbursement contract and I've asked them to coordinate to A-B thru Masa Sams. Please let me know if you have not received the agreement for review by Monday.

Sincerely,

Justin B. Sencer, P.E.
Tel: (904) 665-6826

---

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Thursday, June 27, 2024 10:50 AM
**To:** Sencer, Justin B <sencjb@jea.com>
**Cc:** Sams, Masa P <samsm@jea.com>; Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>; Shaffer, Nisa <Nisa.Shaffer@anheuser-busch.com>
**Subject:** RE: Funding for project

[External Email - Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.]

Update on the AB-JAX Effluent Piping Project:

We will hold the prebid meeting for this work on 7/1/2024, with bids due on /19/2024. We could be ready to issue a contract by 8/1/2024.

Prior to project authorization or any contracting with an installer, I will need the contract from your procurement group to move forward. We would like to have this as soon as possible (but by 7/12 to get this project into our July Project Approval Cycle).

I'd appreciate your thoughts on when this contract will be available.

Thank you!

John Vodenicker
Engineering Manager
Jacksonville Brewery
111 Busch Dr. Jacksonville FL 32218
John.vodenicker@anheuser-busch.com
Cell 904-545-5642

---

**From:** Sencer, Justin B <sencjb@jea.com>
**Sent:** Monday, May 20, 2024 3:27 PM
**To:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Subject:** RE: Funding for project

**CAUTION! EXTERNAL EMAIL:sencjb@jea.com**

John –

Not a problem.

Sincerely,

Justin B. Sencer, P.E.
Tel: (904) 665-6826

---

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Monday, May 20, 2024 3:22 PM
**To:** Sencer, Justin B <sencjb@jea.com>
**Subject:** RE: Funding for project

[External Email - Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.]

Thank you. That's perfect. This would be easier if my company didn't autodelete emails after 90 days. . .

---

**From:** Sencer, Justin B <sencjb@jea.com>
**Sent:** Monday, May 20, 2024 2:42 PM
**To:** Vodenicker, John <john.vodenicker@anheuser-busch.com>; Sharp DiMeo, Elizabeth A <dimeea@jea.com>; Chapman, Richard L.; Ulbricht, Paul M. <ulbrpm@jea.com>; Sams, Masa P <samsm@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Day, Traci J <daytj@jea.com>
**Cc:** Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>; Langan, Mitch <Mitch.Langan@anheuser-busch.com>
**Subject:** RE: Funding for project

**CAUTION! EXTERNAL EMAIL:sencjb@jea.com**

---

John –

Thank you. Masa Sams should be the central point of contact for all communication between Anheuser-Busch and JEA. I am the project manager for this project and will be the technical advisor to Masa. JEA Procurement is preparing a reimbursement agreement and they have you as the point of contact for Anheuser-Busch.

Sincerely,

Justin B. Sencer, P.E.
JEA Water & Wastewater and Reuse
Delivery and Collection – PSSC
2434 N Pearl Street
Jacksonville, FL 32206
Tel: (904) 665-6826

---

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Monday, May 20, 2024 2:18 PM

**To:** Sharp DiMeo, Elizabeth A <dimeea@jea.com>; Chapman, Richard L. <IMCEAEX-_o=ExchangeLabs_ou=Exchange+20Administrative+20Group+20+28FYDIBOHF23SPDLT+29_cn=Recipients_cn=3e8ea29605c44d3087429aad6892f3c9-abc+2Ejrc0572@namprd05.prod.outlook.com>; Ulbricht, Paul M. <ulbrpm@jea.com>; Sams, Masa P <samsm@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>
**Cc:** Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>; Langan, Mitch <Mitch.Langan@anheuser-busch.com>
**Subject:** RE: Funding for project



JEA partners,

I would like to get things rolling on the modification to our city effluent line. I'd like to know who the JEA point of contact for this project will be, and then follow up with a conversation later this week.

Our intention is to go out for bid the first week of June, start the work in August, and finish in early October. Scope of work is complete (no changes since 2016), so we will go out for bid the first week of June.

Since this work is to be reimbursed by JEA, I think we will need something in writing to this affect that I may pass along to our company's budget keepers to free up money to issue the contract.

Thank you.

John Vodenicker
Engineering Manager
Jacksonville Brewery
111 Busch Dr. Jacksonville FL 32218
John.vodenicker@anheuser-busch.com
Cell 904-545-5642

---

**From:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Sent:** Thursday, April 13, 2023 5:34 PM
**To:** Sharp DiMeo, Elizabeth A <dimeea@jea.com>; Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Ulbricht, Paul M. <ulbrpm@jea.com>; Sams, Masa P <samsm@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>
**Cc:** Blosser, Jordan <Jordan.Blosser@anheuser-busch.com>
**Subject:** RE: Funding for project

Hello everyone.

I was the AB project lead when this project was started. I cannot remember the project manager at the time from JEA, and I will need to dig back into the details of course.

We did complete an installation bid package that I am certainly willing to share, and this work was also bid out to three bidders. Going back out to bid will need to be done, and we should be able to do this rather quickly.

My understanding at the time was this project would be executed by Anheuser-Busch, and then reimbursed by JEA. I sent the attached letter over to Ms. Perez in 2018, and then never heard from JEA again.

If this project needs to move forward, we will need to understand the terms of the project and also the timeline JEA expects this to be complete.

Thanks.

---

**From:** Sharp DiMeo, Elizabeth A <dimeea@jea.com>
**Sent:** Thursday, April 13, 2023 4:36 PM
**To:** Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Ulbricht, Paul M. <ulbrpm@jea.com>; Sams, Masa P <samsm@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>
**Cc:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Subject:** RE: Funding for project

**EXTERNAL E-MAIL:dimeea@jea.com**

---

All,

I did some looking through our files and found the following scope of work that we prepared. We were talking with Ken Wilkey (EHS Manager) and Aaron Vaughn (Engineering?) at Anheuser Busch back in 2015.
I know they wanted the work done by one of their contractors that they used. I believe Gannett Fleming had a design contract with AB at the time and we were in talks with them about designing it.
I remember walking the fence line and the FM was to be Stainless steel and above ground inside the fence.

I'm still looking for more detail on this and let you know what I find.

**Route & Alignment**

The proposed force main for Anheuser Busch is to extend from the plant's wastewater treatment plant connection point paralleling Main Street on Anheuser Busch property to the JEA 16" FM stub out located in the right of way of Busch Drive. The existing 20" ductile iron main along Main Street shall be placed out of service upon completion of this project. The project area is presented in Figure 1.

*Figure 1 – Main Street – Anheuser Busch to 16" Stub Out*


PAGE 2 OF 5

Thank you,
Beth

**Elizabeth DiMeo, P.E.**
Senior Manager-W/WW Project Engineering & Construction
Direct: (904) 665-8139

Mobile: (904) 599-7591

**From:** Chapman, Richard L. <richard.chapman@anheuser-busch.com>
**Sent:** Thursday, April 13, 2023 1:33 PM
**To:** Ulbricht, Paul M. <ulbrpm@jea.com>; Sams, Masa P <samsm@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>; Sharp DiMeo, Elizabeth A <dimeea@jea.com>
**Cc:** Vodenicker, John <john.vodenicker@anheuser-busch.com>
**Subject:** Funding for project

[External Email - Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.]

Paul,
Please include John Vodenicker on all future e-mails – John was involved in the original project. To my understanding the project was never implemented because the project was never funded.

*Thanks*
*Rick Chapman*
*Construction Manager Capex Group*

Anheuser-Busch
*111 Busch Drive | Jacksonville, FL 32218*
*C: 904-838-3878* | richard.chapman@anheuser-busch.com

**From:** Ulbricht, Paul M. <ulbrpm@jea.com>
**Sent:** Thursday, April 13, 2023 12:56 PM
**To:** Sams, Masa P <samsm@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>; Sharp DiMeo, Elizabeth A <dimeea@jea.com>
**Subject:** RE: Message from JABADMNMFP11

**EXTERNAL E-MAIL:ulbrpm@jea.com**

Hey Traci,
I do have a scope of work sent over to me from Anheuser-Busch from 2018 attached at the bottom of this email chain. The question we need to know is why was this work never done? We need to complete the abandonment of a 24" force main across the street from their plant and this is the missing piece of our investigation. But yes plans or as-builds would be great.
Thank you so much,

**Paul M. Ulbricht**
*O&M Crew Leader, PSSC*
(904) 445-1548
ulbrpm@jea.com

---

**From:** Sams, Masa P <samsm@jea.com>
**Sent:** Thursday, April 13, 2023 11:25 AM
**To:** Corcoran, Gregory S <CorcGS@jea.com>; Ulbricht, Paul M. <ulbrpm@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>; Sharp DiMeo, Elizabeth A <dimeea@jea.com>
**Subject:** RE: Message from JABADMNMFP11

Thanks Greg. I will reach out to Anheuser-Busch to obtain any plans they have.

Thanks,
Masha

**Masha Sams**
Account Executive
Mobile: (904) 553-1683
225 Pearl St. Jacksonville FL 32202

---

**From:** Corcoran, Gregory S <CorcGS@jea.com>
**Sent:** Thursday, April 13, 2023 9:44 AM
**To:** Ulbricht, Paul M. <ulbrpm@jea.com>; Finnicum, Seth A. <finnsa@jea.com>; Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Sencer, Justin B <sencjb@jea.com>; Day, Traci J <daytj@jea.com>; Sams, Masa P <samsm@jea.com>; Sharp DiMeo, Elizabeth A <dimeea@jea.com>
**Subject:** RE: Message from JABADMNMFP11

I'm looping in Beth Dimeo and Masha Sams (KA) too.

Thanks,
Greg Corcoran
Manager
JEA Project Outreach

---

**From:** Ulbricht, Paul M. <ulbrpm@jea.com>
**Sent:** Thursday, April 13, 2023 9:42 AM
**To:** Finnicum, Seth A. <finnsa@jea.com>; Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Sencer, Justin

B <sencjb@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Day, Traci J <daytj@jea.com>
**Subject:** Re: Message from JABADMNMFP11

Sounds good, thank you.

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

---

**From:** Finnicum, Seth A. <finnsa@jea.com>
**Sent:** Thursday, April 13, 2023 9:11:40 AM
**To:** Ulbricht, Paul M. <ulbrpm@jea.com>; Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Sencer, Justin B <sencjb@jea.com>; Corcoran, Gregory S <CorcGS@jea.com>; Day, Traci J <daytj@jea.com>
**Subject:** RE: Message from JABADMNMFP11

Thank you Paul for getting this communication started. This project was before my time here, so I am looping in Greg and Ms. Traci. They may have more information from our side.

Regards,
Seth

**Seth Finnicum, PE**
W/WW Engineer
JEA Water & Wastewater and Reuse
Delivery and Collection – PSSC
2434 N Pearl Street
Jacksonville, FL 32206
904-665-7705
finnsa@jea.com

---

**From:** Ulbricht, Paul M. <ulbrpm@jea.com>
**Sent:** Thursday, April 13, 2023 8:41 AM
**To:** Chapman, Richard L. <richard.chapman@anheuser-busch.com>; Finnicum, Seth A. <finnsa@jea.com>; Sencer, Justin B <sencjb@jea.com>
**Subject:** Re: Message from JABADMNMFP11

Goodmorning Richard,
Thank you very much for sending over the scope of work for the new proposed force main tie in over at your plant. Do you have any more information about the project? It seems like Anheuser-Busch's position on this project was that JEA was supposed to do this work? I'm working as a liason between you guys and my engineers to relay the information we find in the field and from our customers.

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

---

**From:** Chapman, Richard L. <richard.chapman@anheuser-busch.com>
**Sent:** Friday, March 31, 2023 2:13:17 PM
**To:** Ulbricht, Paul M. <ulbrpm@jea.com>
**Subject:** FW: Message from JABADMNMFP11

---

**From:** Chapman, Richard L.
**Sent:** Friday, March 31, 2023 12:08 PM
**To:** ULBRP@JEA.com
**Subject:** FW: Message from JABADMNMFP11

---

**From:** donotreply@anheuser-busch.com <donotreply@anheuser-busch.com>
**Sent:** Friday, March 31, 2023 12:40 PM
**To:** Chapman, Richard L. <richard.chapman@anheuser-busch.com>
**Subject:** Message from JABADMNMFP11

Regular Agenda #3 Supporting Document 1/16/25

JEA Effluent Line replacements

BP 200

| | | | |
|---|---|---|---|
| Prebid Date | | Milestones | |
| Bid Due Date | 19-Jul | Mobilization | |
| Contract issue Date | | Construction Complete | |

| Schedule P | Budget | WW Gay | MJ Wood | Macaljon |
|---|---|---|---|---|
| Ground Prep | | | $ 2,204 | $ 78,394 |
| Excavation | | | $ 201,577 | $ 11,040 |
| Piping | | | $ 204,374 | $ 192,498 |
| Paving | | | $ 36,232 | $ 4,296 |
| Close Out Deliverabels | | | $ 18,236 | $ 11,926 |
| Total Before Shakeout | $ 337,000 | $ 354,157 | $ 462,623 | $ 298,154 |
| % High Relative to Low Bidder | | 18.8% | 55.2% | 0.0% |
| % High Relative to Budget | | 5.1% | 37.3% | -11.5% |
| Shakeout Adjustments | | | | |
| Revised Price | | $ 354,157 | $ 462,624 | $ 298,154 |

Basic questions

How do you expect to accomplish this work?

How many people on your crew.

What is your proposed schedule?  When would you like to start and when would you expect to finish?

Is the deposal of excess soil on AB site included in your bid?

Is hydrovac excavation included and what areas do you plan to do this type of excavation?

Is there a problem with installing the 16" line in the center of the pathway between Bld. 44 and the fence?

Is compaction under and above the pipe included in your proposal?

Did you include thrust blocks at all underground pipe bends?

What is the estimated sft. area of asphalt repair?

Do you plan on using shoring boxes?

Do you have monies in your bid for irrigation repairs?

How long will it take for you to perform the work on the city easement/tie-in area?

Do you have monies in your bid for GPR on the city easment area?

Does your pipe route match the drawing in the parking lot area?

Will you need to remove the existing fence to install the pipe?

MJ Wood

S/S pipe will be prefabricated, PVC pipe will be fabricated in sections and will be pulled into trench. Pressure test
Price includes temporay fence at Busch Dr. and at bld 44 gate area and at parking lot.
Crew will be 3 PF, 3 Carp, 1 OE workin 4-10 schedule
Total job is 38 days with 20 days of earthwork.
Disposal of excess fill (148 CY) will be disposed on site.
Hydrovac at trees, U/Gpipe ares by building 44 per dawing. Have GPR for the whole line to the tie in at Busch Dr. a
Running the line in the cente rof the isleway between the fence and Bld. 44 will be better in lieu of running it alon
Compaction is included under and above the pipe with compactin tests. No re seeding or grass is included in this a
Thrusts blocks are included.
Pipe will not run thru the nedian in the parking lot, will run in parking lot ara instead.
Price includes using aluminum trench boxes for compacting soil. May use remote controll compaction plates.
Have 5K in monies for irigation repairs.
Figured 3 days max to do the tie-in work at Bush Dr.
Monies are included for GPR .
Pipe will be reroted in parking area and will have barracades to keep cars out.
Fence can remain in place if pipe is put in center of isleway.
D.O.T. notification is noty included. Asked MJW to adjust their price if necessary

sections of pipe and backfill pipe between joints.

and cll in to  1-800- Dig.
gside of the fence. No change in price.
ırea.

Macaljon:  Jody Crews, Cliff Murray
Talked through pipe routing at south end thorugh pavement and distance from fence has wiggle roon
Install half of the pipe first.
Pipe will be dragged into the ditch.
Pipe will be covered as it is installed, while leaving the joints open until it is tested.
Compaction is included in the price.
Trench boxing is included.
GPR is included.
Crew size is seven total.
Duration is four weeks.
DOT needs to be notified.
Temporary fencing to protect job site is included.
Excess fill to be dumped and spread on site.
They have a couple of hours and couple hundred bucks
Do not include removal or replacement of shrubs on the east perimeter but do include the remove sh

Met with Chris Hollingsworth and Jamie Webb.
Discussed location of the pipe relative to the fence – AB is amenable to moving the pipe away from th
Pipe installed in sections of 60', then covered. Final pressure test at end.
Belden connectors and all the appurtenances required.
Crew size: four to six people will be involved.
Job duration: 6 weeks total.
Tie in that would take water to the city out of service is less than one day.
Hydrovac is included in necessary areas called out on the drawing (around trees).
GPR is included for the entire length of pipe.
Notification of DOT has been included in the task list.
Compaction is included for the pipe bed, and on top of the pipe.
They will use the mechanical joint restraints. This is a part of the pipe specification.
Asphalt repairs are included.
Talked about routing on south end – free to do this an easier way.
Talked about irrigation piping, do not intend for this to be in service later. Plug and bury. Gay does n

ıe fence and into the middle of the alleyway.

ot have any replacement money involved.