Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

City of Jacksonville, Florida
Procurement Award Form (PAF)

Part 1: Form Type JPAC Award Request and Administrative Details

Goods and/or Services: Cahoon Road Widening – Phase 2 - P-05-23

Requested Action/Authority:

Recommend approval to amend the award with Eisman & Russo, Inc. for the preliminary and final design activities from 30% to final plan submittal of Cahoon Road widening from Normandy Blvd to Beaver Street in the total increase amount of $1,688,354.13. Total revised GMP is $2,350,974.79.

Justification/Explanation:

This increase will allow completion of plans from 30% to all the way to Final Plan submittal per exhibits C & D..

Legal Contract #:	71066-24	Contract Date:	04/10/2024	Change Order/AMD #:	Amendment #1	
PO/Release #:	674069-24	Bid Date:	06/21/2023	Awarded Supplier:	Eisman & Russo Inc	
Licenses Verified:	Yes	Effective Date:	11/21/2024	Basis of Award:	Highest Evaluated	
Federally Funded:	No	No. Invited:	N/A	Responses Received:	N/A	Attachments:
Solicitation:	PDS - P-05 - 23			Procurement Contract #:	POA - 71066-24	
Executed By:	Office of General Counsel					

PoP:Base:	Project Completion	Options:	N/A	Extension(s):	N/A
JSEB Rec.:	N/A	%:	N/A	Bonds Waived Pursuant To:	N/A

Fund:	32111	Center:	153101	Acct:	565030	Proj:	002742	Activity:	00000000	$	947,718.00
Fund:	32111	Center:	153101	Acct:	565050	Proj:	002742	Activity:	00000000	$	740,636.13
Fund:		Center:		Acct:		Proj:		Activity:		$	

New NTE/GMP:	$ 2,350,974.79	Contingent Amount:	$ 0.00	DMP/ODPO Amount:	$ 0.00

Using Agency/BU:	PWEN:ENGINEERING_AND_CONSTRUCTION_MANAGEMENT			
Initial DT Concurrence:	Signed by: Gibbs, Sheldon 843DE27A46A74CA...	Title:	CHIEF OF ENGINEERING CONSTRUCTION MANAGEMENT	11/4/2024
Initial DT Concurrence:	DocuSigned by: Nina Sicker 1EFA223D5D23487...	Title:	DIRECTOR OF PUBLIC WORKS	11/7/2024
Concurrence:		Title:		
Concurrence:		Title:		

Procurement Analyst/Buyer:	Signed by: Baker, Alex 08D1A3C4B98C4CA...	Chief of Procurement:	DocuSigned by: B19F1D517352456... 11/18/2024
Name:	Baker, Alex	Name:	Dustin L. Freeman

Part 2: JPAC Actions on Above Requests/Recommendations
All Award Actions Subject to Lawfully Appropriated Funds

Members Who Approve:	
Members Who Disapprove:	
Other Action:	

Date:

Part 3: Final Awarding Authority Action

Action:

Date:

Signature:

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

PAF Instructions

Form Type: Select the type of award from the dropdown options. This form will be used for all Procurement awards (Administrative Awards and JPAC Requests).

Goods and/or Services: Enter a brief description of the types of goods and services included in the request.

Requested Action/Authority: Enter a brief description of the requested action or authority being sought. i.e.; *request permission to award to the lowest, responsive responsible bidder for ITB or award the highest ranked supplier for an RFP*.

Justification/Explanation: Enter a brief justification or explanation for the requested action. Use this box to add any additional information such as additional account strings, or other information essential for contract execution.

Legal Contract Number: Provide the existing City contract number if applicable. This will be the same number as your POA number.

Contract Date: Select the effective date for the contract using the calendar option in the form. Leave blank for contracts to become effective on the execution date.

Change Order/AMD #: Provide the applicable Change Order or Amendment number represented by this request.

Date: Enter the date of PAF submission.

Effective Date: Enter the effective date of requested authority and/or action.

Solicitation: Select the competitive procurement method used (1Cloud generated prefix), enter the 1Cloud generated numbering sequence, and 1Cloud generated fiscal year of solicitation

Basis of Award: Select from Lowest Price Technical Acceptable (LPTA), Highest Price Technical Acceptable (HPTA),

Procurement Contract #: This is your PO number. Select Type, Enter Number

PO/Release Number: Enter PO Release Number

Awarded Supplier: Enter Awarded Supplier Name

Federally Funded: Select yes or no from dropdown if Federal Funds will be used.

Responses Received: This is the number of responses received.

No Bids Received: The number of responses received that indicated supplier would not bid.

Executed By: Select whether executed by OGC or JPAC / Chief of Procurement

PoP Base: Select the Period of Performance for the initial period.

Options: Period for each renewal period i.e. one (1) two (2) year.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

Extensions: How many extensions have we preformed after the initial base period and option periods have been completed?

JSEB Goal: Select the percentage established by JSEB.

JESB Other: Select Encouragement or Set Aside Option

Bonds Waived Pursuant to: Select authority allowing bonds to be waived.

Funding Source: Fund/Center/Account/Project/Activity, all fields are required even if zeros.

New NTE/GMP: Enter the new total not to exceed the amount. Note, this should match the contract maximum indebtedness, if applicable**.**

Contingent Amount: If your agency requests an allowance for unforeseen additional expenses, then specify the amount of your requested increase and new NTE that represents the contingency allowance. This is over and above any quote.

DMP/ODPO Amount: Enter the total Direct Materials Purchase/Owner Direct Purchase Order amount for project.

Attachments: Name any attachments included as supplemental information to the PAF.

Using Agency/BU: This should be the requesting agency/requirement owner.

Concurrence: Electronic Signature

Title: Enter the title of person electronically signing form.

**Any fields where there is no data available, or no entry is required, either leave it blank or enter N/A. Any fields where there is known data, include for informational purposes. Any changes to an original award should contain the data that is being changed and any other relevant data required for JPAC review and approval.*

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

EXHIBIT C

John M. Baxter
October 16, 2024

Scope of Services
CAHOON ROAD ROADWAY IMPROVEMENTS
LENOX AVENUE TO BEAVER STREET
PHASE II

Project Description

The City of Jacksonville (COJ) Public Works (PW) Division is requesting that Eisman & Russo, Inc. (Consultant) provides professional design services for the improvements of Cahoon Road from Lenox Avenue to Beaver Street. Eisman & Russo's services are being provided in two phases; Phase I involved the planning and preliminary engineering design (+/- 30% plans) to determine the appropriate typical section of the roadway and is currently nearing completion; **Phase II will include the final design and specifications required for providing a full construction bidding package to contractors. This Scope of Services is for Phase II.** The total project length is approximately 1.5 miles. This project is located on the West side of Duval County. For illustration, please see the attached location map.

Existing Conditions

Currently, Cahoon Road from just north of the previously improved Lenox Ave Intersection to Ramona Blvd is approximately 0.9 miles in length with 20' wide pavement and a sidewalk along most of the west side. This segment has very limited drainage infrastructure and, consequently, stormwater runoff must travel along the road surface to low areas that allow flow from the corridor. The segment from Ramona Blvd to Devoe St is an Urban Section (curb & gutter) that is approximately 50' wide (from face-of-curb to face-of-curb) with sidewalks along both sides (east & west) and is under the jurisdiction of FDOT. From just north of the Devoe St intersection to Pearce Lane, Cahoon Road is approximately 22' wide with a sidewalk along the west side. From Pearce Lane through the Beaver St Intersection, the road becomes less defined as there is no separation between travel way and adjacent commercial driveways/parking area. In total, the project is approximately 1.5 miles in length, contains 4 existing traffic signals, including the Lenox Ave Intersection, and one CSX Railroad Crossing.

Project Scope

The scope of improvements considers an upgrade from the 2-Lane Rural Section (with limited drainage infrastructure) to a 2-Lane Urban Section with a Shared Use Path on one side and a Sidewalk on the other side. The improvements will accommodate improved vehicular, bicycle and pedestrian safety along the corridor. The proposed design also includes Signal improvements to ensure adequate capacity and improved safety for all that use the corridor – vehicles, cyclists and pedestrians. Furthermore, special focus will be given to ensure that the project's stormwater management design addresses the City's Volumetric Restricted Basin criteria and meets all new Resilient design parameters, as provided by the City. The proposed improvements include the survey, design and permitting of up to three (3) Stormwater Management Facilities to support the road improvements. All utilities within the corridor will be evaluated with appropriate utility owners in order to ensure that any needed enhancements are incorporated into the project and all existing utility infrastructure conflicts are addressed within the project's design. **Under a Joint Participation Agreement with the JEA, design services will be provided to include +/-500 ft. of a new 16" Water Main along Cahoon Road (between Graff Lane & Axson Street)**. The focus of the design will also identify innovative components that can be included to better accommodate and serve the abutting property owners and adjacent communities.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

EXHIBIT C

Engineering services to be provided under this contract will include:

- **Project Management –** Eisman & Russo will coordinate with and provide monthly updates to the City PM. Estimated project costs will be provided to the City PM annually as well as with each review submittal and after any significant design changes.
- **Engineering Design Specifications –** Design to include plan submittals at 60%, 90% and 100% phases, with reviews at each stage. The roadway shall be designed and constructed for the typical section alternative approved during Phase 1 and meeting the COJ requirements. The documents produced will include roadway plans and cross sections, driveway profiles showing grade and length of all tie-ins, traffic control plans, signing and pavement marking plans, cost estimates and design specifications
- **Drainage –** Design of an urban drainage system and stormwater pond design (up to 3 ponds anticipated). Storm tabulations and hydraulic models will be provided with each review submittal aligning with associated drainage maps. All new ROW or easements required for proposed drainage structures and pipes will be coordinated with COJ for acquisition. Existing ROW and easements will be utilized when possible. Eisman & Russo will assist City representatives with all needed ROW to ensure acquisition costs and schedules are minimized whenever possible.
- **Survey and Right-of-Way Acquisition –** All survey requirements including, design topography, right-of-way mapping for stormwater management facility parcels (up to 3 ponds anticipated), Sub-surface Utility Exploration for roadway and signal improvements (Roadway survey was included in Phase I). Eisman & Russo will coordinate with the City PM and other City representatives for all ROW and Easement needs and will assist, as needed, with the City's acquisition process, providing approval prior to final acquisition.
- **Geotechnical –** Soil borings necessary for design including pond sites, culvert extensions and at signal foundations, analysis of gravity walls as required (Roadway geotechnical services were included in Phase I).
- **Structural –** Structural Evaluation as needed for existing signal mast arms at the Ramona Boulevard intersection, for concrete signal strain poles at the Devoe Road intersection, design of concrete box culvert extension at Wills Branch as needed and design of retaining walls (if required).
- **Environmental –** Services to include Phase I Cultural Resource Assessment Survey (for pond sites), Phase I Environmental Site Assessment (for 3 stormwater management facility sites), Phase II Environmental Site Assessment (for 3 stormwater management facility sites), wetland delineation, Preliminary Listed Species Wildlife and Habitat Assessment
- **Permitting –** Obtain, as required, SJRWMD Environmental Resource Permit, Army Corps of Engineers Permit and Mitigation Coordination, COJ Site Clearing Permit (Tree Mitigation), COJ Civil Review Approval (10-Set), and FDOT and CSX Permits. Prepare minutes from all meetings with permitting agencies and provide to City PM. All environmentally sensitive areas (e.g. wetland limits, flood plain limits, etc.) will be clearly shown on the final plans and environmental commitments will be outlined on the General Notes sheet.
- **Traffic Signals –** Signal design pedestrian upgrades at Lenox Avenue, signal

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

upgrades at Ramona Blvd, Devoe St intersections.

- **Lighting –** Pedestrian lighting requirements and upgrades at Lenox Avenue, at Ramona Blvd and at Devoe St intersections
- **Landscaping –** Planting Plan, Tree Mitigation Plan, and Tree Assessment by a Certified Arborist
- **Utilities –** Provide Utility coordination and needed Utility Adjustment Plans, including the coordination necessary to accommodate the JEA Water Line Improvements (design of the actual JEA Water Line Improvements will be through a Joint Participation Agreement between COJ & JEA). UWS forms will be obtained and included as part of the final design package (see Connelly & Wicker scope).
- **External Agency Coordination –** Coordinate with FDOT (Cahoon Road & Beaver Street Intersection and the I-10 Overpass area) and CSX for the needed work within their respective Rights of way. COJ support will be required concerning the coordination and agreement effort associated with the proposed railroad crossing improvements (road, sidewalk & shared use path).
- **Post Design Services –** Eisman & Russo will provide post design services on an as needed basis, including but not limited to: attendance at pre-construction meeting, shop drawing review and approval, RFI review and response, field meetings and design revisions.

<u>60% Design Phase</u>

1. Produce 60% Design documents consisting of: a complete set of construction plans, a construction cost estimate, and design calculations for the project. These items will be submitted to COJ for review and comment.
2. Coordinate with SJRWMD, USACE, FDOT and CSX and submit formal permit requests, as needed.
3. Initiate utility coordination with all UAOs.

<u>90% Design Phase</u>

1. Produce 90% Design documents consisting of: a complete set of construction plans, technical specifications, construction cost estimate, and design calculations and a set of annotated 60% Review comments for the project. These items will be submitted to the COJ for review and comment.
2. Continued utility coordination.

<u>100% Design Phase</u>

1. Produce 100% Review documents consisting of: a complete set of construction plans, technical specifications, construction cost estimate, design calculations, and a set of annotated 90% Review comments. These items will be submitted to the COJ for review and comment.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

2. Obtain required permits from SJRWMD, USACE, FDOT and CSX.
3. Finalize all required utility relocation plans and schedules.

Additional Requirements

1. Coordinate efforts and correspond with the City of Jacksonville, JEA, FDEP, SJRWMD, USACE, FDOT and CSX as appropriate throughout Phase 2
2. Perform complete QA/QC procedures prior to each submittal
3. Take notes of all design/review meetings held with the City and other agencies. These notes shall be transcribed and furnished to the City's Project Manager for concurrence as soon as practical after date of the meeting
4. The Consultant shall work directly with the City's Project Manager and will maintain this person as the sole point of contact with the City regarding this project
5. The City's Project Manager shall notify the consultant in writing regarding changes to the project that will require modification to the Consultant's work
6. The COJ shall be the Owner of all final documents.

Project-Specific Requirements

In addition to the General Project Requirements described above, the following project-specific requirements are a part of this scope of engineering services:

1. Reference the attached Manhour rates, Fee Summaries, and Location Map associated with this project.

Project Schedule

- The Pre-Design Phase is estimated to be completed in Mid-December 2024.
- 60% Review documents will be submitted within 150 days from Phase 2 NTP.
- 90% Review documents will be submitted within 90 days from receipt of the County's 60% Review comments.
- 100% Review documents will be submitted within 60 days from receipt of all 90% Review comments.
- Anticipated COJ Review periods are 2 weeks each.
- **Total schedule for completion of final plans is estimated at approximately 12± months.**

Notice to Proceed

No work on this project shall be performed until a contract has been executed and a work order has been issued by the City of Jacksonville

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

EXHIBIT C

Fee Summary

Our fee for the Scope of Services described herein is a Lump Sum fee in the amount of **$584,625.25** and a Not to Exceed fee in the amount of **$1,103,728.88** as outlined in the Fee Schedule included as Exhibit B.

Sincerely,

EISMAN & RUSSO, INC.

John Pappas, PE

Vice President / Chief Operations Officer

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

"EXHIBIT D"

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road Phase 2 (Phase 2 - Final Design Phase)	3. Contract Number RFP # P-05-23
2. Name of Consultant Eisman & Russo, Inc.	4. Proposal Date 10/3/24

PART II - LABOR RELATED COSTS

5. Direct Labor		Hourly Rate	Estimated Hours	Estimated Cost	Contract Amount
Principal/Project Director/Project Liason		$96.00	138.0	$13,248.00	
QA/QC Engineer (PE)		$96.00	108.0	$10,368.00	
Constructability Engineer (PE)		$80.00	75.0	$6,000.00	
Senior Engineer - EOR (PE)		$75.00	283.0	$21,225.00	
Senior Engineer - Project Mangager (PE)		$76.00	641.0	$48,716.00	
Senior Engineer - Drainage Engineer (PE)		$75.00	253.0	$18,975.00	
Engineer - Roadway Enginner (PE)		$50.00	848.0	$42,400.00	
Engineer - Tech (EI)		$38.00	702.0	$26,676.00	
CADD Operator		$35.00	703.0	$24,605.00	
Clerical		$18.00	21.0	$378.00	
TOTAL DIRECT LABOR			3,772	Hours	$212,591.00
6. Overhead (Combined Fringe Benefit & Administrative) **Overhead Rate**		150 % x Total Direct Labor			$318,886.50
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$531,477.50
8. PROFIT: Labor Related Costs (Item 7)				x 10%	$53,147.75

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation	$		
Phone/Communication	$		
Computer Equipment/Software	$		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$0.00
10. SUBCONTRACTS (Reimbursable / Not to Exceed)			
Geotechnical (CSI Geo) JSEB	$	106,503.22	
Structural Engineering (Civil Services) JSEB	$	54,023.54	
Environmental Engineering (Alpha Envirotech Cons.) JSEB	$	175,156.90	
Intersection Signalization & Lighting (Chindalur Traffic Solutions) JSEB	$	214,452.17	
Utilities Coordination & Adjustments (Connelly & Wicker)	$	116,418.92	
Survey & Mapping (DRMP)	$	48,202.00	
SUE (DRMP)	$	161,943.29	
Landscape (Janet Whitmill)	$	22,619.99	
Corridor Lighting (Chindular Traffic Solutions) JSEB	$	104,408.85	
SUB-CONTRACT SUB-TOTAL			$1,003,728.88
TOTAL LUMP SUM PLUS NOT TO EXCEED AMOUNT (Items 5, 6, 8, 9 and 10)			**$1,588,354.13**
11. REIMBURSABLE COSTS (Not to Exceed)			
Post Design Services	$	100,000.00	
SUB-TOTAL REIMBURSABLES (Not to Exceed)			$100,000.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$1,688,354.13**
PREVIOUS CONTRACT AMOUNT	**$662,620.66**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

JSEB FORM 2

LETTER OF INTENT
TO PERFORM AS A SUBCONTRACTOR or SUB-CONSULTANT

CSI Geo, Inc.

(Name of JSEB Supplier/Consultant/Subcontractor)

Name of Project: Engineering Design/ Cahoon Rd - Phase 2

Bid Number: P-05-23

I, the undersigned, understand that the price below is representative of my intent to perform the scope of work attached. I further understand that this price is subject to increase or decrease due to the City of Jacksonville bid requirements. All work must meet the City of Jacksonville bid specifications.

*Total amount of work to be performed or materials to be supplied, including Sales Tax

*Scope of Work Attached

Geotechnical Engineering $ 6.7%

Signature of JSEB Supplier/Consultant/ Subcontractor | Title: President | Date: 9/25/2024

* For solicitations that are not project specific, such as: misc. services, design build, etc.; "TBD" will not be accepted with the bid submittal on Form 1 and the Letters of Intent at minimum there should be a percentage of JSEB usage. For solicitations that are project specific you will be required to provide a dollar amount on Form 1 and on all Letters of Intent. "TBD" will not be accepted.

This form must be used for Letter of Intent.

Revised: June 2022

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

JSEB FORM 2

LETTER OF INTENT
TO PERFORM AS A SUBCONTRACTOR or SUB-CONSULTANT

Civil Services, Inc.

(Name of JSEB Supplier/Consultant/Subcontractor)

Name of Project: Engineering Design/ Cahoon Rd - Phase 2

Bid Number: P-05-23

I, the undersigned, understand that the price below is representative of my intent to perform the scope of work attached. I further understand that this price is subject to increase or decrease due to the City of Jacksonville bid requirements. All work must meet the City of Jacksonville bid specifications.

*Total amount of work to be performed or materials to be supplied, including Sales Tax

*Scope of Work Attached

Structural Engineering $ 3.3%

Signature of JSEB Supplier/Consultant/ Subcontractor | President Title | 9/25/2024 Date

* For solicitations that are not project specific, such as: misc. services, design build, etc.; "TBD" will not be accepted with the bid submittal on Form 1 and the Letters of Intent at minimum there should be a percentage of JSEB usage. For solicitations that are project specific you will be required to provide a dollar amount on Form 1 and on all Letters of Intent. "TBD" will not be accepted.

This form must be used for Letter of Intent.

Revised: June 2022

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

JSEB FORM 2

LETTER OF INTENT
TO PERFORM AS A SUBCONTRACTOR or SUB-CONSULTANT

Alpha Envirotech Consulting, Inc.

(Name of JSEB Supplier/Consultant/Subcontractor)

Name of Project: Engineering Design/ Cahoon Rd - Phase 2

Bid Number: P-05-23

I, the undersigned, understand that the price below is representative of my intent to perform the scope of work attached. I further understand that this price is subject to increase or decrease due to the City of Jacksonville bid requirements. All work must meet the City of Jacksonville bid specifications.

*Total amount of work to be performed or materials to be supplied, including Sales Tax

*Scope of Work Attached

Environmental Services $ 10.9%

	President	9/25/2024
Signature of JSEB Supplier/Consultant/ Subcontractor	Title	Date

* For solicitations that are not project specific, such as: misc. services, design build, etc.; "TBD" will not be accepted with the bid submittal on Form 1 and the Letters of Intent at minimum there should be a percentage of JSEB usage. For solicitations that are project specific you will be required to provide a dollar amount on Form 1 and on all Letters of Intent. "TBD" will not be accepted.

This form must be used for Letter of Intent.

Revised: June 2022

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

JSEB FORM 2

LETTER OF INTENT
TO PERFORM AS A SUBCONTRACTOR or SUB-CONSULTANT

Chindalur Traffic Solutions, Inc.

(Name of JSEB Supplier/Consultant/Subcontractor)

Name of Project: Engineering Design/ Cahoon Rd - Phase 2

Bid Number: P-05-23

I, the undersigned, understand that the price below is representative of my intent to perform the scope of work attached. I further understand that this price is subject to increase or decrease due to the City of Jacksonville bid requirements. All work must meet the City of Jacksonville bid specifications.

*Total amount of work to be performed or materials to be supplied, including Sales Tax

*Scope of Work Attached

$ 19.9%

Signature of JSEB Supplier/Consultant/ Subcontractor	Title	Date
	President	09/25/2024

* For solicitations that are not project specific, such as: misc. services, design build, etc.; "TBD" will not be accepted with the bid submittal on Form 1 and the Letters of Intent at minimum there should be a percentage of JSEB usage. For solicitations that are project specific you will be required to provide a dollar amount on Form 1 and on all Letters of Intent. "TBD" will not be accepted.

This form must be used for Letter of Intent.

Revised: June 2022

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CSI Geo
Geotechnical · CMT · CEI

GEOTECHNICAL SCOPE OF WORK
Cahoon Rd from Crystal Springs Rd to Beaver St
City of Jacksonville, Florida
Supplement 1

SCOPE OF PROPOSED GEOTECHNICAL SERVICES

Based on the information provided to us, we understand that the supplemental geotechnical exploration will consist of the construction of stormwater retention ponds, Box Culvert extension, Gravity Walls, and Mast Arms Signal structures. All geotechnical work will be performed following the applicable standards of practice.

PROPOSED GEOTECHNICAL EXPLORATION

Field Exploration - The proposed supplemental exploration will consist of geotechnical studies and the collection of subsurface data as follows:

Ponds **-** The proposed stormwater management ponds will be explored by means of Standard Penetration Test (SPT) borings with continuous sampling which will extend to a depth of 20 feet at a frequency of three borings per one acre of stormwater pond. In addition, the ponds will be tested for environmental classification testing. Sufficient testing shall be performed on soils recovered from the ponds to verify whether the excavated material can be used for embankment fill.

Culvert Extension **-** Standard Penetration Test (SPT) borings will be performed for the culvert extension. The areas will be explored by means of SPT borings extending to a depth of 26 feet. In addition, the culverts will be tested for corrosion series. Sufficient testing will be performed on soils recovered from the borings for classification purposes. Additionally, muck probing will be conducted in the areas of the culvert inlet and outlet to delineate the limits of unsuitable muck and soft soils present.

Gravity Walls **-** SPT borings will be taken at 100 feet intervals along the proposed walls. These borings will be extended to depths of least 10 feet below the existing grades. Representative soil samples from the wall areas will also be tested for environmental classification testing.

Traffic Signal Mast Arm Foundations **-** These areas will be explored by means of one Standard Penetration Test (SPT) boring at each proposed foundation location. The borings will be extended to a depth of 25 feet below the ground surface for the proposed traffic signal foundations. Soil samples from the mast arms will also be tested for environmental classification testing.

In general, work will also include review of the encountered ground water levels and estimation of the seasonal high ground water levels. Soil samples will be classified, containerized, and marked in the field and returned to the laboratory for visual inspection and classification by a geotechnical engineer using the AASHTO and/or Unified Soil Classification System (USCS).

Laboratory Testing - Routine laboratory testing will be conducted on representative soil samples to determine classification, and aggressiveness. Laboratory classification and index soil tests will be performed as necessary on selected soil samples obtained from the exploration. Specific tests to be

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

performed will include Organic Content, Moisture Content, Environmental/Corrosion Testing, Atterberg Limits, and Percent Fines.

Engineering/Support Services - A geotechnical engineer, registered in the State of Florida, will direct the geotechnical exploration and provide engineering analysis and evaluation of the site and subsurface conditions with respect to the planned construction and imposed loading conditions. The results of the exploration and engineering study will be incorporated into the geotechnical report containing the following:

- A brief discussion of the planned construction and imposed loading conditions.
- A graphical representation of the subsurface conditions encountered as well as the existing on-site conditions, such as topography, surface vegetation, encountered and seasonal high water tables, etc., as they relate to the planned construction.
- A report of tests sheet that summarizes the laboratory test results, the soil stratification (i.e. soils grouped into layers of similar materials) and construction recommendations relative to applicable Standards.
- An appendix that contains stratified soil boring profiles, laboratory test data sheets, and other pertinent calculations.
- Written discussion of the subsurface conditions encountered.
- Evaluation of the soils and recommendations concerning the suitability of the subsurface soils for support of the planned construction.
- Recommendations for foundation design parameters for the proposed culvert extension.
- Evaluation of external stability and settlement for gravity wall systems.
- Soil properties for design of mast arm foundations.
- Evaluation of pond material and the existing subgrade soils for roadway construction.
- Recommendations for the required site preparation and earthwork construction.

"EXHIBIT B"

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road Phase 2 (Phase I - Study/30% Design Phase)	3. Contract Number RFP # P-05-23
2. Name of Consultant CSI Geo, Inc.	4. Proposal Date 9/20/24

PART II - LABOR RELATED COSTS

5. Direct Labor		Hourly Rate	Estimated Hours	Estimated Cost	Contract Amount
Project Manager		$78.44		$0.00	
Senior Geotechnical Engineer		$76.70	14.0	$1,073.80	
Geotechnical Engineer		$57.69	54.0	$3,115.26	
Engineer Intern		$42.78	87.0	$3,721.86	
CADD/Computer Technician		$41.50	65.0	$2,697.50	
Senior Geotechnical Technician		$35.00	38.0	$1,330.00	
Clerical		$25.25	13.0	$328.25	
TOTAL DIRECT LABOR			271	Hours	$12,266.67
6. Overhead (Combined Fringe Benefit & Administrative) **Overhead Rate**		200 % x Total Direct Labor			$24,533.34
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$36,800.01
8. PROFIT: Labor Related Costs (Item 7)				x 10%	$3,680.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
Transportation	$	
Phone/Communication	$	
Computer Equipment/Software	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Limiting Amount)		
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		**$40,480.01**
11. REIMBURSABLE COSTS (Limiting Amount)		
Geotechnical Investigation	$ 66,023.21	
SUB-TOTAL REIMBURSABLES		$66,023.21

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$106,503.22**
PREVIOUS CONTRACT AMOUNT	**$0.00**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project:	Cahoon Rd from Crystal Springs Rd to Beaver St	Consultant Name:	CSI Geo, Inc.
County:	Duval	Consultant No.:	enter consultants proj. number
FPN:	P-05-23	Date:	9/20/2024
FAP No.:	1/0/1900	Estimator:	John Iya

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Sr. Geotechnic	Geotechnical Engineer	Engineer Intern	MAT CADD/Comp	Senior Engineering	Secretary/Clerical	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$76.70	$57.69	$42.78	$41.50	$35.00	$25.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
8. Environmental Permits,and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	271	14	54	87	65	38	13	0	0	0	0	0	0	271	$12,267	$45.26
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	271	14	54	87	65	38	13	0	0	0	0	0	0	271		
Total Staff Cost		$1,073.80	$3,115.26	$3,721.86	$2,697.50	$1,330.00	$328.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		**$12,266.67**	**$45.26**

Check = $12,266.67

SALARY RELATED COSTS:					$12,266.67
OVERHEAD:		200.00%			$24,533.34
OPERATING MARGIN:		0%			$0.00
FCCM (Facilities Capital Cost Money):		0.000%			$0.00
EXPENSES:		10.00%			$3,680.00
SUBTOTAL ESTIMATED FEE:					**$40,480.01**
Survey (Field)	0	4-person crew	$ -	/ day	$0.00
Geotechnical Field and Lab Testing					$66,023.21
SUBTOTAL ESTIMATED FEE:					**$106,503.22**
Optional Services					$0.00
GRAND TOTAL ESTIMATED FEE:					**$106,503.22**

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CSIGeo
Geotechnical · CMT · CEI

2394 St. Johns Bluff Road, Ste 200
Jacksonville, Florida 32246
tel (904) 641-1993

GEOTECHNICAL FEE ESTIMATE
Geotechnical Exploration
Cahoon Rd from Crystal Springs Rd to Beaver St
Jacksonville, Florida
Supplement 1

Item Description	Unit	Number of Units		Cost / Unit		Estimated Cost
Field Investigation						
Mobilization - Truck Rig	ea.	2	ea.	$580.00	/ea.	$1,160.00
Mobilization - ATV Rig	ea.	1	ea.	$875.00	/ea.	$875.00
Mobilization - Tripod	ea.	1	ea.	$1,600.00	/ea.	$1,600.00
3 Stormwater Ponds 2 acres ea. (3 SPTs / acre / pond):						
18 Standard Penetration Test (SPT) Borings @ 20' ea.	ft.	360	ft.	$15.50	/ft.	$5,580.00
Extra SPT Samples	ft.	54	ft.	$42.00	/ft.	$2,268.00
Casing	ft.	180	ft.	$10.00	/ft.	$1,800.00
Grout Borehole	ft.	360	ft.	$7.00	/ft.	$2,520.00
Boring Layout / Utility Clearance	hr.	4	hr.	$141.17	/hr.	$564.68
Subtotal:						**$16,367.68**
Box Culvert Extension (Tripod) SPTs with Continuous Sampling						
4 Standard Penetration Test (SPT) Borings @ 26' ea.	ft.	104	ft.	$32.00	/ft.	$3,328.00
Tripod Mobilization from Hole to Hole	ea.	3	ea.	$350.00	/ft.	$1,050.00
Extra SPT Samples	ft.	16	ft.	$48.00	/ft.	$768.00
Casing	ft.	40	ft.	$18.50	/ft.	$740.00
Grout Borehole	ft.	104	ft.	$9.00	/ft.	$936.00
Muck Probing (2-Person crew)	day	1	day	$1,500.00	/day	$1,500.00
Boring Layout / Utility Clearance	hr.	3	hr.	$141.17	/hr.	$423.51
MOT	day	2	day	$1,150.00	/day	$2,300.00
Subtotal:						**$11,045.51**
Gravity Walls						
3 Standard Penetration Test (SPT) Borings @ 10' ea.	ft.	30	ft.	$15.50	/ft.	$465.00
Grout Borehole	ft.	30	ft.	$7.00	/ft.	$210.00
Boring Layout / Utility Clearance	hr.	3	hr.	$141.17	/hr.	$423.51
MOT	day	1	day	$1,150.00	/day	$1,150.00
Subtotal:						**$2,248.51**
Mast Arm Signals at 4 Roadway Intersections						
16 Standard Penetration Test (SPT) Borings @ 25' ea.	ft.	400	ft.	$15.50	/ft.	$6,200.00
Casing	ft.	160	ft.	$10.00	/ft.	$1,600.00
Grout Borehole	ft.	400	ft.	$7.00	/ft.	$2,800.00
Boring Layout / Utility Clearance	hr.	3	hr.	$141.17	/hr.	$423.51
MOT	day	5	day	$1,150.00	/day	$5,750.00
Subtotal:						**$16,773.51**
Laboratory Testing						
Moisture Content	ea.	79	ea.	$22.00	/ea.	$1,738.00
Percent Fines	ea.	79	ea.	$48.00	/ea.	$3,792.00
Organic Content	ea.	79	ea.	$52.00	/ea.	$4,108.00
Grain Size Analysis	ea.	40	ea.	$75.00	/ea.	$3,000.00
Atterberg Limits	ea.	40	ea.	$115.00	/ea.	$4,600.00
Environmental Corrosion Series	ea.	10	ea.	$235.00	/ea.	$2,350.00
Subtotal:						**$19,588.00**
Engineering/Support Services						
Sr. Geotechnical Engineer	hr.	14	hr.	$253.11	/hr.	$3,543.54
Geotechnical Engineer	hr.	54	hr.	$190.38	/hr.	$10,280.52
Engineer Intern	hr.	87	hr.	$141.17	/hr.	$12,281.79
CADD/Computer Technician	hr.	65	hr.	$136.95	/hr.	$8,901.75
Sr. Geotechnical Technician	hr.	38	hr.	$115.50	/hr.	$4,389.00
Clerical	hr.	13	hr.	$83.33	/hr.	$1,083.29
Subtotal:						**$40,479.89**
PROJECT TOTAL						**$106,503.10**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

35. Geotechnical

Estimator:

Cahoon Rd from Crystal Springs Rd to Beaver St
P-05-23

Representing	Print Name	Signature / Date
COJ		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	Roadway					
35.1	Document Collection and Review	LS	1	4	4	The supplemental geotechnical exploration will consist of the construction of stormwater retention ponds, Box Culvert extension, Gravity Walls, and Mast Arms Signal structures. All geotechnical work will be performed following the applicable standards of practice. 3 Ponds at 2 acres each: 18 SPTs @ 20' ea. = 360 feet
35.2	Develop Detailed Boring Location Plan	LS	1	4	4	
35.3	Stake Borings/Utility Clearance	Boring	18	0.3	5	18
35.4	Muck Probing	Crew Day	0	8	0	
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	0	4	0	
35.6	Drilling Access Permits	Location	0	4	0	
35.7	Property Clearances	EA	0	2	0	
35.8	Groundwater Monitoring	EA	0	0	0	
35.9	LBR/Resilient Modulus Sampling	EA	0	5	0	
35.10	Coordination of Field Work	100 lf of boring	3.6	1	4	360
35.11	Soil and Rock Classification - Roadway	100 lf of boring	3.6	1	4	
35.12	Design LBR	LS	0	1	0	
35.13	Laboratory Data	100 lf of boring	3.6	1	4	
35.14	Seasonal High Water Table	Boring	18	0.1	2	
35.15	Parameters for Water Retention Areas	EA	0	0	0	
35.16	Delineate Limits of Unsuitable Material	Cross-section	0	5	0	
35.17	Electronic Files for Cross-Sections	100 lf of boring	3.6	0.5	2	
35.18	Embankment Settlement and Stability	Embankment Boring	0	1	0	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.19	Monitor Existing Structures	LS	0	10	0	
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	
35.21	Geotechnical Recommendations	LS	1	5	5	
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	0	0	0	
35.23	Preliminary Roadway Report	LS	1	20	20	
35.24	Final Report	EA	1	15	15	
35.25	Auger Boring Drafting	100 lf boring	0	3.5	0	
35.26	SPT Boring Drafting	100 lf boring	3.6	4	14	360
				Roadway Geotechnical Subtotal	**83**	
	Structures					
35.27	Develop Detailed Boring Location Plan	LS	1	4	4	Box Culvert: 4 SPTs @ 26' ea. = 104 ft. Gravity Walls: 3 SPTs @ 10' ea. = 30 ft. Mast Arms: 16 SPTs @ 25' ea. = 400 ft. Total, 23 SPTs. = 534 feet
35.28	Stake Borings/Utility Clearance	Boring	23	0.3	7	23
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	1	8	8	
35.30	Drilling Access Permits	Location	0	4	0	
35.31	Property Clearances	EA	3	2	6	
35.32	Collection of Corrosion Samples	EA	1	2	2	1 Water Sample from the Box Culvert area
35.33	Coordination of Field Work	100 lf of boring	5.34	1	5	534
35.34	Soil and Rock Classification - Structures	100 lf of boring	5.34	1	5	
35.35	Tabulation of Laboratory Data	100 lf of boring	5.34	1	5	
35.36	Estimate Design Groundwater Level for Structures	EA	23	0.1	2	
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	0	2	0	
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	4	0	
35.39	Bridge Construction and Testing Recommendations	Bridge boring	0	2	0	
35.40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	
35.41	Walls	Wall Boring	7	2	14	Evaluate and provide recommendations for gravity walls and Soil parameters for sheet design by others.
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	2	0	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	16	1	16	
35.44	Box Culvert Analysis	EA	1	5	5	
35.45	Preliminary Report - BDR	EA	0	35	0	
35.46	Final Report - Bridge and Associated Walls	EA	0	20	0	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	3	20	60	Reports for Gravity wall, Box Culvert and mast arms
35.48	SPT Boring Drafting	100 lf of boring	5.34	4	21	534
35.49	Other Geotechnical	LS	0	40	0	
				Structural Geotechnical Subtotal	**160**	
				Geotechnical Technical Subtotal	**243**	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	1	2	2	
35.52	Technical Meetings	LS	1	4	4	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	3%	7	
35.54	Supervision	LS	%	3%	7	
				Geotechnical Nontechnical Subtotal	**20**	
35.55	Coordination	LS	%	3%	8	
				35. Geotechnical Total	**271**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	0	0	0			0
Boring Layout Approval	EA	0	1	0			0
Attend in BDR Review Meeting	EA	0	0	0			0
30/60/90% Submittal Review	EA	2	2	4			0
Other Meetings	EA	0	2	0			0
Subtotal Technical Meetings				**4**		**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		- -
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		- -
Total Meetings				**4**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 35.52

Carries to Tab 3

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

Civil Services, Inc.
Consulting Engineers

BRIDGE • ROADWAY • CIVIL • WATER RESOURCES

Jacksonville • Atlanta • West Palm Beach • Augusta

September 17, 2024

Srikanth Yeleswarapu, P.E.
Eisman & Russo, Inc.
6455 Powers Avenue
Jacksonville, FL 32217

Re: Cahoon Road Phase 2
Mast Arm Design
Jacksonville, Florida

Dear Mr. Yeleswarapu:

Civil Services, Inc. (CSI) is pleased to present this structural design proposal and fee estimate for the subject project. We understand the project consists of the design of roadway, bicycle and pedestrian improvements on Cahoon Road from to Crystal Springs Road to Beaver Street. We understand our task on this project includes the following:

- Structural Evaluation of four (4) existing mast arms at the Ramona Boulevard intersection.
- Structural Evaluation of four (4) concrete strain poles signal at the Devoe Road intersection.
- Design of concrete box culvert extension at Wills Branch.
- Design of retaining wall if required.

All design criteria shall be based on the latest editions of the FDOT Structures Design Guidelines, FDOT Design Manual, and the AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

Our fee to provide the final design on this project is **$54,023.54**.

If you have any questions or concerns, please do not hesitate to contact us. We appreciate your selection of CSI for these services and look forward to serving as your structural consultant on this project.

Sincerely,

CIVIL SERVICES, INC.

Christopher E. Morse, P.E.
President

2394 St. Johns Bluff Road, South • Jacksonville, Florida 32246 • (904) 641-1834 • Fax 645-0057

email: csi@civilservicesinc.com • internet: www.civilservicesinc.com

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road	**2. Proposal Number** P-05-23
3. Name of Consultant **Civil Services, Inc.**	**4. Date of Proposal** 9/17/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	**Hourly Rate**	**Estimated Hours**	**Estimated Cost**	**TOTAL**
Chief Engineer	$72.53	19	$1,378.07	
Sr. Engineer	$62.00	115	$7,130.00	
Engineer	$35.50	153	$5,431.50	
Designer	$31.73	96	$3,046.08	
		0	$0.00	
		0	$0.00	
		0	$0.00	
		0	$0.00	
		0	$0.00	
		0	$0.00	
		0	$0.00	
		0	$0.00	
TOTAL DIRECT LABOR		383	Hours	$16,985.65
6. Overhead (Combined Fringe Benefit & Administrative)			189.14%	$32,126.66
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$49,112.31
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$4,911.23

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$54,023.54
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$54,023.54**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

September 19, 2024 **Via Email**: srikanth@eismanrusso.com

Srikanth Yeleswarapu, P. E.
Eisman & Russo, Inc.
6455 Powers Ave
Jacksonville, FL 32217

Reference: Proposal for Environmental Services
City of Jacksonville Engineering Design Services for Cahoon Road – Phase II
Jacksonville, FL

Dear Mr. Yeleswarapu:

Alpha Envirotech Consulting, Inc. (AEC) is pleased to submit this proposal to provide environmental services for the above referenced project.

PROJECT INFORMATION

Based on information you provided, Eisman & Russo, Inc. has been selected by the City of Jacksonville to provide engineering design, permitting and all other professional services for the bidding and construction of roadway, bicycle and pedestrian improvements on Cahoon Road from Crystal Springs Road to Beaver Street. The project area includes the Cahoon Road corridor and three future pond sites with their size and location to be determined. It is our understanding that environmental services will be needed for the Phase II of the project prior to bidding and construction of this road improvement project.

PROPOSED SCOPE OF SERVICES

For Cahoon Road Corridor:

TASK 1 – Phase I Cultural Resource Assessment Survey

AEC will conduct the Phase I Cultural Resource Assessment Survey (CRAS) of each of the three future pond sites to ensure that no archaeological or historical sites, including historical structures like former bridges, will be impacted by future construction. The archaeological survey and resulting report(s) will be designed to satisfy the requirements of the Florida Division of Historical Resources/State Historic Preservation Office (DHR/SHPO) and other permitting agencies and governments, including the Florida Department of Environmental Protection (FDEP), St. Johns River Water Management District (SJRWMD), U.S. Army Corps of Engineers (USACE), and the City of Jacksonville, if applicable.

For three future pond sites:

TASK 2 – Phase I Environmental Site Assessment

The purpose of the Phase I Environmental Site Assessment (ESA) is to evaluate the property for the presence or likely presence of any hazardous substance or petroleum products in soil, groundwater, or surface water from on-site and off-site sources. We will perform our study consistent with the standards provided in the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", the Standard (ASTM E 1527-21). As required by the noted Standard, our

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

work will be conducted under the responsible charge of an Environmental Professional. This proposal assumes the preparation of up to three (3) Phase I ESAs, one for each proposed pond site.

TASK 3 – Phase II Environmental Site Assessment

The primary objective of conducting this testing is to determine the presence or absence of soil and groundwater impacts from the Recognized Environmental Conditions (RECs) identified during the Phase I ESA, or to provide baseline data. This scope of work is based on the installation of six (6) soil borings and is not designed to be exhaustive or to delineate contamination detected on site, if any. AEC proposes the following scope of work:

- Contact Sunshine One-Call to clear utilities at least three days before the scheduled subsurface investigations.
- AEC will contract a direct push drilling service, JAEE Environmental Service Inc., to install six (6) soil borings. Soil samples will be screened with an Organic Vapor Analyzer (OVA) equipped with a Photo-Ionization Detector. The six soil samples shall be analyzed for the Used Oil Group including the four metals arsenic, chromium, cadmium and lead by EPA Method 6020, Volatile Organic Compounds (VOCs) by EPA Method 8260, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270, Total Recoverable Petroleum Hydrocarbons (TRPH) by the FL-PRO Method. Samples shall be submitted to a NELAC-certified laboratory. All concrete boreholes will be patched with concrete following completion of sampling.
- In addition, AEC will advance the six soil borings into temporary groundwater screens to collect groundwater samples. This will include four feet of slotted screen and installed into the water table. Six groundwater samples shall be collected and analyzed for the same parameters as the soils. A field filtered sample for metals will be collected to discount turbidity interference if any.

TASK 4 – Wetland Delineation

AEC will delineate the extents of on-site SJRWMD and USACE assumed jurisdictional wetlands and surface waters within the project limits using sequentially numbered surveying ribbons. The wetland flag locations will be located and marked using a Global Positioning System (GPS) with an approximate 1-meter accuracy. A map showing the flag numbers and locations will be provided to client along with GPS, Google Earth-KMZ file data, and a Geographic Information System (GIS) map of identified wetland/surface water limits for planning purposes. It is our understanding that surveying of wetland lines will be performed by a project designated surveyor. AEC will review and approve the completed surveying maps regarding wetland/surface water limits before they are submitted to the City of Jacksonville. The surveyor fees are excluded.

TASK 5 – Preliminary Listed Species Wildlife and Habitat Assessment

AEC will assess and document on-site habitats within the project site and perform a preliminary survey of faunal species listed as endangered, threatened, or special concern (listed species). Prior to fieldwork, AEC will perform a review of GIS databases, including the Florida Natural Areas Inventory (FNAI) biodiversity matrix, the Florida Fish and Wildlife Conservation Commission (FWC) Bald Eagle Nest data, and the U.S. Fish and Wildlife (FWS) Information for Planning and Consultation (IPAC) resource list. Listed species known occurrences and potential suitable habitats will be documented and mapped. The fieldwork effort will consist of assessing and documenting the occurrence or potential occurrence of listed species within the project area.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

The report of data findings will include observed data and an analysis of documented listed species and potential listed species occurrence as high, medium, or low probability for occurring within the project site and close vicinity.

TASK 6 – Phase I Cultural Resource Assessment Survey

AEC will conduct the Phase I CRAS of each of the three future pond sites to ensure that no archaeological or historical sites, including historical structures like former bridges, will be impacted by future construction. The archaeological survey and resulting report(s) will be designed to satisfy the requirements of the Florida Division of Historical Resources/State Historic Preservation Office (DHR/SHPO) and other permitting agencies and governments, including the Florida Department of Environmental Protection (FDEP), SJRWMD, USACE and the City of Jacksonville, if applicable.

For Cahoon Road corridor and three future pond sites:

TASK 7 – SJRWMD Environmental Resource Permit

AEC will assist client with responding to environmental- and wetland-related concerns for the Environmental Resource Permit (ERP) application for submittal to SJRWMD. This task also includes Uniform Mitigation Assessment Method (UMAM) evaluation of wetland impacts, one pre-application meeting and one on-site review with SJRWMD, elimination/reduction analysis, and mitigation plan, if needed.[1] The permitting process is expected to take 4 to 6 months. For cost estimate purposes, SJRWMD permit fee of $2,110.00 is included.

TASK 8 –Army Corps of Engineers Permit

AEC will submit necessary information for an USACE Permit for impacts within Waters of the United States. This task includes UMAM evaluation of wetland impacts, one pre-application meeting and one on-site review with USACE, alternatives analysis, and USACE-specific mitigation plan, if needed.[2] The permitting process is expected to take 4 to 6 months.

TASK 9 – Mitigation Coordination

Once the amount of SJRWMD/USACE UMAM credits are determined during Tasks 5 and 6, AEC will coordinate the purchase of credits from a State- and Federally-approved mitigation bank. Currently, the price for a "paired" (State-Federal) UMAM credit for this area is approximately $135,000 -150,000/credit. The final, determined UMAM credit price is subject to change due to market conditions and all credit fees will be paid by the applicant.

COST ESTIMATE/PROJECT SCHEDULE

We are prepared to initiate project activities immediately upon your written authorization. Based on the noted scope of work, we propose to complete our services for the following lump sum fees.

- Task 1 – Phase I CRAS $21,657.00
- Task 2 – Phase I ESA $4,623.70/pond * 3 ponds
- Task 3 – Phase II ESA $13,584.20/pond * 3 ponds
- Task 4 – Wetland Delineation $6,308.65/pond * 3 ponds (surveyor fee excluded)
- Task 5 – Listed Species Assessment $3,147.45/pond * 3 ponds

[1]The SJRWMD Mitigation Plan includes text, exhibits, and calculations for proposed wetland impacts and mitigation.
[2]The FDEP/ACOE-404 Mitigation Plan includes text, exhibits, and calculations for proposed wetland impacts and mitigation.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

- Task 6 – Phase I CRAS $11,626.00/pond * 3 ponds
- Task 7 – SJRWMD ERP $16,546.20 (Permit fee $2,110 included)
- Task 8 – USACE Permit $15,151.20
- Task 9 – Wetland Mitigation $3932.50

==========

Total $175,156.90

We will progress invoice for our services to Eisman & Russo, Inc. on a monthly basis. Payment terms on invoices are Net 30 days.

LIMITATIONS

This proposed scope of work and fees include only services explicit herein. In the event additional tasks are required by the client and/or government, AEC will provide a change order proposal for any additional tasks that may be required.

We appreciate the opportunity to provide this proposal to perform environmental consulting services for this project. If you have any questions concerning this proposal, or if we can serve you in any other way, please contact the undersigned as shown below.

Sincerely,

Alpha Envirotech Consulting, Inc.

Amy Y. Fu, P.E.
Principal

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 / Total
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	68	$ 5,780.00	5,780.00
Project Manager (Responsible Professional)	$ 70.00	22	$ 1,540.00	1,540.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	368	$ 23,920.00	23,920.00
GIS Specialist	$ 60.00	36	$ 2,160.00	2,160.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	364	$ 20,020.00	20,020.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	18	$ 540.00	540.00
Administrative Specialist	$ 25.00	34	$ 850.00	850.00
TOTAL DIRECT LABOR	$60.23	910		$ 54,810.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 82,215.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 137,025.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 13,702.50

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	42 d *40 mil	$ 1,100.40	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other - Equipment Rental			$ 2,712.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 3,812.40
10. SUBCONTRACTS (Lump Sum)				
Drilling - JAEE			$ 6,600.00	
Lab - Eurofins			$ 11,232.00	
SUB-CONTRACT SUB-TOTAL				$ 17,832.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 172,371.90
11. REIMBURSABLE COSTS (Limiting Amount)				
SJRWMD Permit Fee			$ 2,110.00	
Envirosite			$ 675.00	
SUB-TOTAL REIMBURSABLES				$ 2,785.00

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 175,156.90**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 175,156.90**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 / TASK 1 - CRAS for Cahoon
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	4	$ 340.00	340.00
Project Manager (Responsible Professional)	$ 70.00	4	$ 280.00	280.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	24	$ 1,560.00	1,560.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	100	$ 5,500.00	5,500.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	4	$ 100.00	100.00
TOTAL DIRECT LABOR	$57.21	136		$ 7,780.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 11,670.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 19,450.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 1,945.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	$0.655/mile	10d *40 mil	$ 262.00	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other			$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 262.00
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 21,657.00
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 21,657.00**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 21,657.00**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 /TASK 2 - Phase I ESA/pond
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	4	$ 340.00	340.00
Project Manager (Responsible Professional)	$ 70.00	2	$ 140.00	140.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	12	$ 780.00	780.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	4	$ 220.00	220.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	2	$ 60.00	60.00
Administrative Specialist	$ 25.00	2	$ 50.00	50.00
TOTAL DIRECT LABOR	$61.15	26		$ 1,590.00

6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 150 % x Total Direct Labor		$ 2,385.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 3,975.00
8. PROFIT: Labor Related Costs (Item 7) x 10%		$ 397.50

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	1 d *40 mil	$ 26.20	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other			$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 26.20
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 4,398.70
11. REIMBURSABLE COSTS (Limiting Amount)				
Envirosite			225.00	
SUB-TOTAL REIMBURSABLES				$ 225.00

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 4,623.70**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 4,623.70**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23/TASK 3-Phase II ESA/pond
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	4	$ 340.00	340.00
Project Manager (Responsible Professional)	$ 70.00	4	$ 280.00	280.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	20	$ 1,300.00	1,300.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	10	$ 550.00	550.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	4	$ 120.00	120.00
Administrative Specialist	$ 25.00	2	$ 50.00	50.00
TOTAL DIRECT LABOR	$60.00	44		$ 2,640.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 3,960.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 6,600.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 660.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	1 d *40 mil	$ 26.20	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other - Equipment Rental			$ 354.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 380.20
10. SUBCONTRACTS (Lump Sum)				
Drilling - JAEE			$ 2,200.00	
Lab - Eurofins			$ 3,744.00	
SUB-CONTRACT SUB-TOTAL				$ 5,944.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 13,584.20
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 13,584.20**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 13,584.20**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

Alpha Envirotec Consulting
GENERAL COST ESTIMATION WORKSHEET

Client: AEC
Project Name:
Task (if appropriate):
Date: 9/19/2024

Description	Unit	Rate	Quantity	Amount
III. EQUIPMENT RENTAL				
Distilled Water	gallon	$2.00	1	$2.00
Equipment Decon	each	$10.00	1	$10.00
Field Supplies	day(s)	$25.00	1	$25.00
Hand Auguer	Days	$25.00	1	$25.00
Full Face Respirator	day(s)	$30.00	0	$0.00
Generator	day(s)	$65.00	0	$0.00
Groundwater Filters	each	$20.00	6	$120.00
One Pint Mason Jars	dozen	$12.00	1	$12.00
Ice	bag	$10.00	1	$10.00
OVA	day(s)	$125.00	1	$125.00
YSI	day(s)	$140.00	0	$0.00
Turbidity Meter	day(s)	$40.00	0	$0.00
Pump	day(s)	$40.00	0	$0.00
PPE, Level D	day(s)	$25.00	1	$25.00
GPS - Trimble unit with catelyst service subscription	day(s)	$200.00	0	$0.00
Flagging	day(s)	$25.00	0	$0.00
2" x 10 ft white PVC pipe	day(s)	$20.00	0	$0.00
	EQUIPMENT RENTAL SUBTOTAL			$354.00

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23/TASK 4 - Wetland Delin/pond
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	2	$ 170.00	170.00
Project Manager (Responsible Professional)	$ 70.00	0	$ 0.00	0.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	8	$ 520.00	520.00
GIS Specialist	$ 60.00	8	$ 480.00	480.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	16	$ 880.00	880.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	1	$ 25.00	25.00
TOTAL DIRECT LABOR	$59.29	35		$ 2,075.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 3,112.50
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 5,187.50
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 518.75

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	2 d *40 mil	$ 52.40	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other - Equipment Rental			$ 550.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 602.40
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 6,308.65
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 6,308.65**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 6,308.65**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

Alpha Envirotec Consulting
GENERAL COST ESTIMATION WORKSHEET

Client: AEC
Project Name:
Task (if appropriate):
Date: 9/19/2024

Description	Unit	Rate	Quantity	Amount
III. EQUIPMENT RENTAL				
Distilled Water	gallon	$1.20	0	$0.00
Equipment Decon	each	$10.00	0	$0.00
Field Supplies	day(s)	$25.00	2	$50.00
Hand Auguer	Days	$25.00	0	$0.00
Full Face Respirator	day(s)	$30.00	0	$0.00
Generator	day(s)	$65.00	0	$0.00
Groundwater Filters	each	$20.00	0	$0.00
One Pint Mason Jars	dozen	$12.00	0	$0.00
Soil Auger	day(s)	$35.00	0	$0.00
OVA	day(s)	$125.00	0	$0.00
YSI	day(s)	$140.00	0	$0.00
Turbidity Meter	day(s)	$40.00	0	$0.00
Pump	day(s)	$40.00	0	$0.00
PPE, Level D	day(s)	$25.00	2	$50.00
GPS - Trimble unit with catelyst service subscription	day(s)	$200.00	2	$400.00
Flagging	day(s)	$25.00	2	$50.00
2" x 10 ft white PVC pipe	day(s)	$20.00	0	$0.00
	EQUIPMENT RENTAL SUBTOTAL			$550.00

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 /TASK 5-Listed Species/pond
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	2	$ 170.00	170.00
Project Manager (Responsible Professional)	$ 70.00	0	$ 0.00	0.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	4	$ 260.00	260.00
GIS Specialist	$ 60.00	4	$ 240.00	240.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	8	$ 440.00	440.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	1	$ 25.00	25.00
TOTAL DIRECT LABOR	$59.74	19		$ 1,135.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 1,702.50
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 2,837.50
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 283.75

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	1 d *40 mil	$ 26.20	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other			$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 26.20
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 3,147.45
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 3,147.45**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 3,147.45**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 / TASK 6 - CRAS /pond
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	4	$ 340.00	340.00
Project Manager (Responsible Professional)	$ 70.00	0	$ 0.00	0.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	16	$ 1,040.00	1,040.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	50	$ 2,750.00	2,750.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	2	$ 50.00	50.00
TOTAL DIRECT LABOR	$58.06	72		$ 4,180.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 6,270.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 10,450.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 1,045.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	5 d *40 mil	$ 131.00	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 131.00
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 11,626.00
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 11,626.00**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 11,626.00**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 / TASK 7 - ERP
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	6	$ 510.00	510.00
Project Manager (Responsible Professional)	$ 70.00	0	$ 0.00	0.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	72	$ 4,680.00	4,680.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	0	$ 0.00	0.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	2	$ 50.00	50.00
TOTAL DIRECT LABOR	$65.50	80		$ 5,240.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 7,860.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 13,100.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 1,310.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	1 d *40 mil	$ 26.20	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other			$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 26.20
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 14,436.20
11. REIMBURSABLE COSTS (Limiting Amount)				
SJRWMD Permit Fee			$ 2,110.00	
SUB-TOTAL REIMBURSABLES				$ 2,110.00

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 16,546.20**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 16,546.20**

SJRWMD FEE LIST

Disclaimer: This list is a brief summary of the various permit fees and is not to be considered as an official and complete fee schedule. Please refer to the applicant's handbook of the specific permit type for all fee details and conditions.

Environmental Resource Permits

- Verification of Exemption (62-330, F.A.C.)
  - Under 62-330.050 and 62-330.051...**$100**
  - Under 62-330.0511 (Minor Silviculture Systems)...**$0**
- General Environmental Resource Permits (62-330, F.A.C.)
  - General ERPs (formerly Noticed General Permits)...**$250**
- Individual and Conceptual Environmental Resource Permits (Excluding Mitigation Banks) (62-330, F.A.C.)
  - Less than 10 acres project area and no work in wetlands (+ no boat slips)...**$490**
  - Greater than 10 acres but less than 40 acres project area and no work in wetlands (+ no boat slips)...**$1,190**
  - Less than 10 acres, less than 1 acre work in wetlands, less than 10 new boat slips...**$1,190**
  - Less than 40 acres, less than 3 acres work in wetlands, less than 30 new boat slips...**$2,110**
  - Less than 100 acres, less than 10 acres work in wetlands, and less than 50 slips...**$5,610**
  - Less than 640 acres, less than 50 acres work in wetlands...**$5,610**
  - Project exceeds thresholds above...**$9,120**
- Specified fee for Individual and Conceptual ERPs (62-330, F.A.C.)
  - Environmental restoration or enhancement projects (not for mitigation)...**$250**
  - Stormwater retrofit projects...**$250**
- Major Modifications of Individual and Conceptual ERPs (62-330, F.A.C.)
  - Major modification under 40C-1.603(5)(d)1...**50% of the fee for a new permit for the activity proposed in the modification**
  - Major modification w/increase in project area...**Same as the fee for a new permit for the activity proposed in the modification**
  - All other major modifications under 40C-1.603(5)(d)3...**50% of the fee for a new permit for the activity proposed in the modification**
- Minor Modifications of Individual and Conceptual ERPs (62-330, F.A.C.)
  - Permit transfers, statutory extensions, correct minor error with no technical review...**$0**
  - Other extensions...**$200 or 25% of application fee for a new permit (whichever is less)**
  - All other minor modifications...**25% of the fee for a new permit for the activity proposed in the modification**
- Mitigation Banks and Conceptual Approvals (62-330, F.A.C.)

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 / TASK 8 - USACE Permit
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	6	$ 510.00	510.00
Project Manager (Responsible Professional)	$ 70.00	0	$ 0.00	0.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	76	$ 4,940.00	4,940.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	0	$ 0.00	0.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	2	$ 50.00	50.00
TOTAL DIRECT LABOR	$65.48	84		$ 5,500.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 8,250.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 13,750.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 1,375.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs				
Transportation & Shipping	at $0.655/mile	1 d *40 mil	$ 26.20	
Original Reproducibles			$ 0.00	
Reproduction			$ 0.00	
Other			$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$ 26.20
10. SUBCONTRACTS (Lump Sum)				
SUB-CONTRACT SUB-TOTAL				$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$ 15,151.20
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 15,151.20**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 15,151.20**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project: Engineering Design Services for Cahoon Road - Phase 2	**2. Proposal No. / Contract No.** P-05-23 / TASK 9 - Wetland Mitigation
3. Name of Consultant Alpha Envirotech Consulting, Inc.	**4. Date of Proposal** 9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 85.00	4	$ 340.00	340.00
Project Manager (Responsible Professional)	$ 70.00	0	$ 0.00	0.00
Certified Industrial Hygienist	$ 75.00	0	$ 0.00	0.00
Senior Engineer / Geologist / Scientist	$ 65.00	16	$ 1,040.00	1,040.00
GIS Specialist	$ 60.00	0	$ 0.00	0.00
Engineer/Geologist/Scientist/Field Inspector	$ 55.00	0	$ 0.00	0.00
Project Administrater	$ 50.00	0	$ 0.00	0.00
Drafter or CADD Operator	$ 30.00	0	$ 0.00	0.00
Administrative Specialist	$ 25.00	2	$ 50.00	50.00
TOTAL DIRECT LABOR	$65.00	22		$ 1,430.00

6. Overhead (Combined Fringe Benefit & Administrative)		
Overhead Rate	150 % x Total Direct Labor	$ 2,145.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		$ 3,575.00
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 357.50

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation & Shipping	at $0.655/mile	$ 0.00	
Original Reproducibles		$ 0.00	
Reproduction		$ 0.00	
Other		$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$ -
10. SUBCONTRACTS (Lump Sum)			
SUB-CONTRACT SUB-TOTAL			$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$ 3,932.50
11. REIMBURSABLE COSTS (Limiting Amount)			
SUB-TOTAL REIMBURSABLES			$ -

PART IV - SUMMARY

12. TOTAL AMOUNT AMENDMENT NO. 0 (Lump Sum + Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 3,932.50**
13. CURRENT CONTRACT AMOUNT	
14. AMENDED CONTRACT AMOUNT	**$ 3,932.50**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

Traffic Signal Modification and Lighting Analysis/Design Scope of Work
Cahoon Road – Lenox Avenue to Beaver Street
City of Jacksonville, Florida

Task 01 - Signal Design/Modification Plans/Intersection Lighting Design Scope

1A. Intersection Lighting Analysis/Design Scope

This scope is for lighting services that will be needed at the three existing signalized intersections on Cahoon Road at Lenox Avenue, Ramona Boulevard and Devoe Street as part of the Cahoon Road Phase 3 Design Project (between south of Beaver Street to Lenox Avenue).

- Lighting will be provided to achieve enhanced horizontal and vertical lighting illuminance for the signalized intersections based on the lighting initial values of Table 231.2.1 of the FDOT Design Manual. Since these are existing signalized intersections, the lighting design is required to meet the reconstruction criteria for signalized intersection lighting where the vertical illuminance is calculated for all three movements of every intersection approach where there is an existing or proposed crosswalk.
- The consultant will prepare lighting design plans that will meet the requirements of both the City of Jacksonville and Florida Department of Transportation (FDOT) and the Manual on Uniform Traffic Control Devices (MUTCD). The engineering services required to perform the design are as follows:
- Topographic survey, utility locations, roadway design plans and signing and pavement marking design plans, geotechnical services and subsurface utility exploration (SUE) will be provided by the Prime Consultant. SUE is required for the proposed light poles (up to 8 locations at each intersection).
- The plan set that we anticipate including with the submittal is as follows:
  - Key Sheet
  - Signature sheet
  - Tabulation of Quantities Sheet
  - General Notes Sheet
  - Lighting Legend Sheet
  - Lighting Data Table Sheet
  - Lighting Plan Sheet
- The plans will be prepared in 11-in x 17-in format and will be submitted for review to the appropriate agencies. Review comments received will be incorporated into the plans, along with written responses. We anticipate submitting a 90% set and a final plan set.
- A Lighting Design Analysis Report (LDAR) will be also provided as part of the submittal.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

1B. Intersection Signal Design/Modification Plans Design Scope:
Signalization design and modifications plans in compliance with MUTCD, COJ and/or FDOT requirements will be provided based on the recommended and approved traffic control identified above.

- Topographic survey, utility locations, roadway design plans and signing and pavement marking design plans, geotechnical services and subsurface utility exploration (SUE) will be provided by the Prime Consultant. SUE is required for the mast-arm or strain pole locations.
- The signal plans at this intersection will include the following sheets:
  - Key sheet
  - Quantity sheet
  - General Notes sheet
  - Signalization Plan sheet
  - Traffic Signal Details sheet
  - Mast Arm Tabulation sheet
  - GuideSIGN Worksheets for Internally Illuminated Street Name Signs
- The plans will be prepared in 11-in x 17-in format and will be submitted for review to the appropriate agencies. Review comments received will be incorporated into the plans, along with written responses. We anticipate submitting a 90% set and a final plan set.

Task 02 – Corridor Lighting Analysis/Design Scope

This scope is for lighting services that will be needed for the roadway corridor lighting analysis and design on Cahoon Road between Beaver Street and Lenox Avenue.

- Lighting will be provided to achieve enhanced horizontal and vertical lighting illuminance for Cahoon Road roadway and shared use path based on the lighting initial values of Table 231.2.1 of the FDOT Design Manual. Since this is an existing facility, the lighting design is required to meet the reconstruction criteria for roadway lighting where the vertical illuminance is calculated for the section of roadway that an existing or proposed mid-block crosswalks and existing or proposed shared use paths.
- The consultant will prepare lighting design plans that will meet the requirements of both the City of Jacksonville and Florida Department of Transportation (FDOT) and the Manual on Uniform Traffic Control Devices (MUTCD). The engineering services required to perform the design are as follows:
- Topographic survey, utility locations, roadway design plans and signing and pavement marking design plans, geotechnical services and subsurface utility exploration (SUE) will be provided by the Prime Consultant. SUE is required for any or the proposed light poles.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

- The plan set that we anticipate including with the submittal is as follows:
  - Key Sheet
  - Signature sheet
  - Tabulation of Quantities Sheet
  - General Notes Sheet
  - Lighting Legend Sheet
  - Lighting Data Table Sheet
  - Lighting Plan Sheet
- The plans will be prepared in 11-in x 17-in format and will be submitted for review to the appropriate agencies. Review comments received will be incorporated into the plans, along with written responses. We anticipate submitting a 90% set and a final plan set.
- A Lighting Design Analysis Report (LDAR) will be also provided as part of the submittal.

Additional services NOT included in this scope

Beaver Street (Scope/fee not included in this proposal)

- Due to the high number of crashes, it is recommended that this intersection be further evaluated in coordination with FDOT.
- Improvements such as adding left turn lanes will further require Intersection Control Evaluation (ICE) Analysis which is typically performed in three (3) stages.
  - ICE Stage 01 – Up to 160 Hours of Effort
  - ICE Stage 02 – Between 160 to 360 Hours of Effort
  - ICE Stage 03 – Between 240 to 400 Hours of Effort (May not be required)
- ICE process provides a transparent and consistent approach to evaluate intersection alternatives based on metrics such as safety, operations, cost, and social, environmental, and economic impacts.
- Additionally, adding turn lanes is anticipated to require reconstruction of the existing traffic signal

Interconnect Plans (Scope/fee not included in this proposal)

- Interconnect details not available currently. The need will evaluate during design.

"EXHIBIT B"

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road Phase 2 (Phase 3 - Design)	3. Contract Number RFP # P-05-23 - **Task 01**
2. Name of Consultant Chindalur Traffic Solutions, Inc. **Intersection Signal Modification/Lighting Analysis & Desig**	4. Proposal Date 9/20/24

PART II - LABOR RELATED COSTS

5. Direct Labor		Hourly Rate	Estimated Hours	Estimated Cost	Contract Amount
Principle Engineer		$86.65	113.0	$9,791.45	
Traffic Engineer/Project Manager		$67.55	506.0	$34,180.30	
Chief Designer		$60.00	375.0	$22,500.00	
Senior Designer		$50.00	210.0	$10,500.00	
Clerical/Contract Coordinator		$27.00	27.0	$729.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
TOTAL DIRECT LABOR			1,231	Hours	$77,700.75
6. Overhead (Combined Fringe Benefit & Administrative) **Overhead Rate**		150 % x Total Direct Labor			$116,551.13
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$194,251.88
8. PROFIT: Labor Related Costs (Item 7)				x 10%	$19,425.19

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation	$	275.10	
Printing	$	500.00	
Computer Equipment/Software	$		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$775.10
10. SUBCONTRACTS (Limiting Amount)			
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
SUB-CONTRACT SUB-TOTAL			$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			**$214,452.17**
11. REIMBURSABLE COSTS (Limiting Amount)			
	$	0.00	
SUB-TOTAL REIMBURSABLES			$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$214,452.17**
PREVIOUS CONTRACT AMOUNT	**$0.00**

"EXHIBIT B"

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road Phase 2 (Phase 3 - Design)	3. Contract Number RFP # P-05-23 - **Task 02**
2. Name of Consultant Chindalur Traffic Solutions, Inc. **Corridor Lighting Analysis & Design**	4. Proposal Date 9/20/24

PART II - LABOR RELATED COSTS

5. Direct Labor		Hourly Rate	Estimated Hours	Estimated Cost	Contract Amount
Principle Engineer		$86.65	51.0	$4,419.15	
Traffic Engineer/Project Manager		$67.55	247.0	$16,684.85	
Chief Designer		$60.00	183.0	$10,980.00	
Senior Designer		$50.00	105.0	$5,250.00	
Clerical/Contract Coordinator		$27.00	13.0	$351.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
TOTAL DIRECT LABOR			599	Hours	$37,685.00
6. Overhead (Combined Fringe Benefit & Administrative) **Overhead Rate**			150 % x Total Direct Labor		$56,527.50
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$94,212.50
8. PROFIT: Labor Related Costs (Item 7)				x 10%	$9,421.25

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation	$	275.10	
Printing	$	500.00	
Computer Equipment/Software	$		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$775.10
10. SUBCONTRACTS (Limiting Amount)			
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
SUB-CONTRACT SUB-TOTAL			$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			**$104,408.85**
11. REIMBURSABLE COSTS (Limiting Amount)			
	$	0.00	
SUB-TOTAL REIMBURSABLES			$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$104,408.85**
PREVIOUS CONTRACT AMOUNT	**$0.00**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

UTILITIES

TASK: UTILITY ADJUSTMENT PLANS

The Consultant shall include utility adjustment plans in the construction documents. It is the Consultants responsibility to contact each utility and determine if the utility will be affected by the proposed construction. If the utility decides their facility needs to relocate, the Consultant shall include the proposed location of the relocated utility on the utility adjustment plans.

TASK: UTILITY COORDINATION

The CONSULTANT shall identify utility facilities within the project corridor, review plans from the Utility Owners ensuring all conflicts with the CITY's construction project are addressed, and prepare utility work schedules for proposed utility relocations. The CONSULTANT shall certify all utility negotiations have been completed and that arrangements have been made for utility work to be undertaken. The Consultant shall:

- Identify Existing Utility Owner(s)
- Make Utility Contacts
- Schedule Individual/Field Meetings
- Collect and Review Plans and Data from Utility Owners
- Prepare a subsurface utility test hole plan to verify the City's proposed construction is not in conflict with existing utilities

Utility Design Meeting

The Consultant shall schedule and conduct a Utility meeting with all affected Utility Owners. The CONSULTANT shall be prepared to discuss impacts to existing trees/vegetation and proposed landscape, drainage, traffic signalization, temporary traffic control plans (TTCP) (construction phasing), review the current design schedule and letting date, evaluate the utility information collected, to the extent that they may have an effect on existing or proposed utility facilities with particular emphasis on drainage and TTCP with each Utility Owner. The intent of this meeting shall be to assist the Utility Owner in identifying and resolving conflicts between utilities and proposed construction before completion of the plans, including utility adjustment details. Also, to work with the Utility Owners to recommend potential resolution between known utility conflicts with proposed construction plans as may be deemed practical by the Utility Owner. The CONSULTANT shall keep accurate minutes of all meetings.

Review Utility Markups & Work Schedules

The CONSULTANT shall review utility marked up plans and work schedules as they are received for content and coordinate review with the designer. Utility Work Schedule (UWS) shall be included in the final design plans. This will ensure proper coordination and alignment with any necessary utility relocations or adjustments.

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

Utility Coordination Follow-up / Utility Constructability Review
The CONSULTANT shall review utility schedules against construction contract time, and phasing for compatibility.

Additional Utility Services – Utility Conflict Matix
The CONSULTANT shall provide prepare a Utility Conflict Matrix to document all utility conflicts have been located and addressed in the plans.

Contract Plans to Utility Owner(s)
The CONSULTANT shall send S+S plans to the Utility Owners prior to bidding showing either their facilities are to remain or the required relocations are depicted in the construction plans along with a signed Utility Work Schedule.

"EXHIBIT B"

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road Phase 2 (Final Design Phase)	3. Contract Number RFP # P-05-23
2. Name of Consultant Connelly & Wicker, LLC	4. Proposal Date 9/19/24

PART II - LABOR RELATED COSTS

5. Direct Labor		Hourly Rate	Estimated Hours	Estimated Cost	Contract Amount
Principal/Project Director/Project Liason		$95.44	13.5	$1,292.26	
QA/QC Engineer (PE)		$82.48	33.9	$2,791.95	
Constructability Engineer (PE)		$82.48	33.9	$2,791.95	
Senior Engineer - EOR (PE)		$65.00	101.6	$6,600.75	
Senior Engineer - Project Mangager (PE)		$65.00	67.7	$4,400.50	
Senior Engineer - Drainage Engineer (PE)		$65.00	0.0	$0.00	
Engineer - (PE) (5-10 yrs)		$60.00	155.7	$9,342.60	
Engineer - (PE) (0-5 yrs)		$46.00	155.7	$7,162.66	
Engineer - Tech (EI)		$35.00	101.6	$3,554.25	
Clerical		$20.00	13.5	$270.80	
TOTAL DIRECT LABOR			677	Hours	$38,207.72
6. Overhead (Combined Fringe Benefit & Administrative) **Overhead Rate**			177 % x Total Direct Labor		$67,627.66
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$105,835.38
8. PROFIT: Labor Related Costs (Item 7)				x 10%	$10,583.54

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation	$		
Phone/Communication	$		
Computer Equipment/Software	$		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$0.00
10. SUBCONTRACTS (Limiting Amount)			
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
SUB-CONTRACT SUB-TOTAL			$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			**$116,418.92**
11. REIMBURSABLE COSTS (Limiting Amount)			
	$	0.00	
SUB-TOTAL REIMBURSABLES			$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$116,418.92**
PREVIOUS CONTRACT AMOUNT	**$0.00**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

ROADWAY PLANS PREPARATION

CONSULTANT:	Connelly & Wicker Inc.	NAME OF PROJECT:	Cahoon Road - Final Design Phase
RFP NO.:	P-05-23	FROM:	Lenox Avenue
PREPARED:		TO:	Beaver Street

	ITEM	SCALE	UNIT	NO. OF UNITS	NO. OF SHEETS	M-H PER UNIT	TOTAL MANHOURS	COMMENTS
113	Utility & Railroad	1"=						
	Utility Adjustment Sheets	1"=40'	Sheet	15	15	17	255	(6 hrs + 1 hr x 11 utilities) per sheet
	Railroad Key Map		Sheet	0	0	0	0	
	Railroad Plan Sheet		Sheet	0	0	0	0	
	Existing Utility Report		L.S.	0		0	0	
	JEA Water & Sewer Meetings		L.S.	0		0	0	
	Utility Coordination		L.S.	1		422	422	See Task 7
	UTILITIES & RAILROADS TOTALS						677	

109	Basic Roadway Plan Prep.	1"=						
	Drainage Map - Rural	1'= 500'	Basin	0	0	0	0	
	Drainage Map - Urban	1"=100'	Sheet	0	0	0	0	
	Supplementary Drain. Map	1"=400	Sheet	0	0	0	0	
	Drainage Design - Urban		L.S.	0		0	0	
	Drainage Design - Report		L.S.	0		0	0	
	Design - Major X-Drains		Each	0	0	0	0	
	Drainage Struct. - Rural		Sheet	0	0	0	0	
	Drainage Struct. - Urban		Each	0	0	0	0	
	Summary - Drainage Struct		Sheet	0	0	0	0	
	Summary - Side drain		Each	0	0	0	0	
	Cost Estimate		L.S.	0		0	0	
	Pond Siting Report		L.S.	0		0	0	
	Flood Compensation Plan		L.S.	0		0	0	
	Stormwater Pond Plans		Pond	0		0	0	
	Bridge Hydraulic Report		L.S.	0		0	0	
	Erosion Control Plans		Sheet	0	0	0	0	
	DRAINAGE TOTALS				0		0	

Project Activity 7: Utilities

Estimator: Cummings

Cahoon Road
n/a

Representing	Print Name	Signature / Date
COJ		
Connelly & Wicker	**A. Cummings**	

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours		Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	N/A	
7.2	Identify Existing Utility Agency Owner(s)	LS	1	11	11	Eleven utilities with project corridor (1 hr per utility)	
7.3	Make Utility Contacts	LS	1	22	22	Eleven utilities with project corridor (2 hr per utility)	
7.4	Exception Processing	LS	1	0	0	N/A	
7.5	Preliminary Utility Meeting	LS	1	0	0	N/A	
7.6	Individual/Field Meetings	LS	1	44	44	Meetings are listed below	
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	44	44	Review GREEN LINE PLANS@ 4hrs for 11 utilities	
7.8	Prepare SUE requests	LS	1	60	60	assume 60 drainage structures @ 1 hr per structure	
7.9	Utility Design Meeting	LS	1	44	44	Meeting is listed below	
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	44	44	4 hrs per 11 utilities	
7.11	Utility Coordination/Followup	LS	1	22	22	2 hrs per 11 utilties	
7.12	Utility Constructability Review	LS	1	44	44	4 hrs per 11 utilities	
7.13	Additional Utility Services	LS	1	60	60	prepare Utility Conflict Matrix assume 60 drainage structures @ 1.0 hrs	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	N/A	

Project Activity 7: Utilities

7.15	Contract Plans to UAO(s)	LS	1	5	5	distribute S+S plans to 11 utilties (0.5 hr x 11)
7.16	Certification/Close-Out	LS	1	0	0	Post design effort
7.17	Other Utilities	LS	1	0	0	N/A
				7. Utilities Total	**422**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	0	0	0	N/A		0
Preliminary Meeting (see 7.5)	EA	0	0	0	N/A		0
Individual UAO Meetings (see 7.6)	EA	11	2	22		Yes	4
Field Meetings (see 7.6)	EA	11	2	22	1 field meeting x 11 utilities @ 2 hrs per	Yes	4
Design Meeting (see 7.9)	EA	22	2	44	2 design mtgs per utility, 11 utilities, 2 hr per mtg	Yes	4
Other Meetings *(this is automatically added into Utilities Total (cell F27))*	EA	11	2	22	drainage meeting with each utility @ 2 hrs per mtg		4
Total Meetings				**110**	**Total Project Manager Meetings (carries to Tab 3)**		**16**

Carries to Tab 3

Project Activity 4: Roadway Analysis

Estimator: Cummings, P.E.

Cahoon Road JEA WATER MAIN
N/A

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Design Package	LS	1	0	0	
4.3	Access Management	LS	1	0	0	
4.4	Horizontal/Vertical Master Design Files	LS	1	16	16	Layout of NEW 16" water ; includes all connections & valves; 520 LF or 0.10 Miles of 16" Water Main proposed; [16 HRS]
4.5	Cross Section Design Files	LS	1	0	0	
4.6	Traffic Control Analysis	LS	1	0	0	
4.7	Master TCP Design Files	LS	1	8	8	incorporate water main into traffic control plan [8 HRS]
4.8	Design Variations and Exceptions	LS	1	0	0	
4.9	Design Report	LS	1	0	0	
4.10	Computation Book & Quantities	LS	1	8	8	JEA Schedule of Values; quantity calculations
4.11	Cost Estimate	LS	1	4	4	Preparation of JEA Schedule of Values (Preliminary + Final)
4.12	Technical Special Provisions	LS	1	0	0	
4.13	Other Roadway Analysis	LS	1	0	0	
	Roadway Analysis Technical Subtotal				**36**	
4.14	Field Reviews	LS	1	4	4	1 Person x 4 Hrs x 1 Field Reviews
4.15	Technical Meetings	LS	1	0	0	
4.16	Quality Assurance/Quality Control	LS	%	5%	2	
4.17	Independent Peer Review	LS	%	0%	0	
4.18	Supervision	LS	%	0%	0	
	Roadway Analysis Nontechnical Subtotal				**6**	
4.19	Coordination	LS	%	3%	1	
	4. Roadway Analysis Total				**43**	

Project Activity 5: Roadway Plans

Estimator: Danny Waltermyer, P.E.

Cahoon Road JEA WATER MAIN
N/A

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.1	Key Sheet		Sheet	0	0	0	0	
5.2	Summary of Pay Items Including Quantity Input		Sheet	0	0	0	0	
5.3	Drainage Map		Sheet	0	0	0	0	
5.4	Interchange Drainage Map		Sheet	0	0	0	0	
5.5	Typical Section Sheets		Sheet	0	0	0	0	
5.6	General Notes/Pay Item Notes		Sheet	1	2	1	2	JEA General Notes
5.7	Summary of Quantities		Sheet	0	0	0	0	
5.8	Box Culvert Data Sheet		Sheet	0	0	0	0	
5.9	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	0	
5.10	Summary of Drainage Structures		Sheet	0	0	0	0	
5.11	Optional Pipe/Culvert Material		Sheet	0	0	0	0	
5.12	Project Layout		Sheet	0	0	0	0	
5.13	Plan/Profile Sheet		Sheet	1	8	1	8	Water Design; 40' scale sheets; 520' total; 560' per sheet

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.14	Profile Sheet		Sheet	0	0	0	0	
5.15	Plan Sheet		Sheet	0	0	0	0	
5.16	Special Profile		Sheet	0	0	0	0	
5.17	Back of Sidewalk Profile Sheet		Sheet	0	0	0	0	
5.18	Interchange Layout Sheet		Sheet	0	0	0	0	
5.19	Ramp Terminal Details (Plan View)		Sheet	0	0	0	0	
5.20	Intersection Layout Details		Sheet	0	0	0	0	
5.21	Miscellaneous Detail Sheets		Sheet	0	0	0	0	
5.22	Drainage Structure Sheet (Per Structure)		EA	0	0		0	
5.23	Miscellaneous Drainage Detail Sheets		Sheet	0	0	0	0	
5.24	Lateral Ditch Plan/Profile		Sheet	0	0	0	0	
5.25	Lateral Ditch Cross Sections		EA	0	0		0	
5.26	Retention/Detention Ponds Detail Sheet		Sheet	0	0	0	0	
5.27	Retention Pond Cross Sections		EA	0	0		0	
5.28	Cross-Section Pattern Sheet		Sheet	0	0	0	0	
5.29	Roadway Soil Survey Sheet		Sheet	0	0	0	0	

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
5.30	Cross Sections		EA	0	0		0	
5.31	Traffic Control Plan Sheets		Sheet	0	0	0	0	
5.32	Traffic Control Cross Section Sheets		EA	0	0		0	
5.33	Traffic Control Detail Sheets		Sheet	0	0	0	0	
5.34	AS-Built Sheets		Sheet	1	2	1	2	As-Built preperation and CADD
5.35	Selective Clearing and Grubbing		Sheet	0	0	0	0	
5.36	Erosion Control Plan		Sheet	0	0	0	0	
5.37	SWPPP		Sheet	0	0	0	0	
5.38	Project Control Network Sheet		Sheet	0	0	0	0	
5.39	Environmental Detail Sheets		LS				0	
5.40	Utility Verification Sheet (SUE Data)		Sheet	0	0	0	0	
Roadway Plans Technical Subtotal						**3**	**12**	
5.41	Quality Assurance/Quality Control		LS	%	5%		1	
5.42	Supervision		LS	%	0%		0	
5. Roadway Plans Total						**3**	**13**	

Project Activity 7: Permitting

Estimator: Danny Waltermyer, P.E.

Cahoon Road JEA WATER MAIN

N/A

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Kickoff Meeting	LS	1	0	0	
7.2	Identify Existing UAO(s)	LS	1	0	0	
7.3	Make Utility Contacts	LS	1	0	0	
7.4	Exception Coordination	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	
7.6	Individual/Field Meetings	LS	1	0	0	
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	0	0	
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	0	0	
7.10	Review Utility Markups and Work Schedules, and Processing of Schedules and Agreements	LS	1	0	0	
7.11	Utility Coordination/Followup	LS	1	0	0	
7.12	Utility Constructability Review	LS	1	0	0	
7.13	Additional Utility Services	LS	1	0	0	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	
7.17	Other Utilities	LS	1	8	8	FDEP permit for 16" WM
				7. Permitting Total	**8**	

27. Survey

Estimator: Bill Faust, PSM

Cahoon Road Ph 2 Additional Survey Efforts and R/W Maps.
#23-0505.000

Representing	Print Name	Signature / Date
FDOT District	**District 2**	
Consultant Name	**DRMP, Inc.**	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									Done as part of Design Survey.
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									Done as part of Design Survey.
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									Done as part of Design Survey.
		Mile			0.00		0.00		0.00	
27.4	Aerial Targets			Units/Day						N/A
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	**"A"**		Units/Day						Done as part of Design Survey.
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
	Reference Points	**"B"**		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	N/A
27.6	Topography/DTM (3D)									Topographic Survey of 3 proposed 2 acre +/- pond sites. This will include all protected trees.
		Mile	3.00	2.00	6.00	2.00	12.00	4.00	24.00	
27.7	Planimetric (2D)									N/A
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									N/A
		EA			0.00		0.00		0.00	
27.9	Side Street Surveys									N/A
		EA			0.00		0.00		0.00	
27.10	Underground Utilities									See separate Phase 2 SUE Estimate.
	Designates	Mile/Site			0.00		0.00		0.00	
	Locates	Point			0.00		0.00		0.00	
	Survey			0.00	0.00		0.00		0.00	
27.11	Outfall Survey									N/A
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						N/A
		EA			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.13	Bridge Survey									N/A
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									N/A
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									N/A
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									N/A
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									Assuming 500' of wetlands per pond site.
		Mile	3.00	0.50	1.50	1.50	2.25	3.00	3.00	
27.18	Geotechnical Support			Units/Day						Assuming 2 borings per pond site.
		EA	6	6	1.00	1.50	1.50	3.00	3.00	
27.19	Sectional / Grant Survey									N/A
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									N/A
		Block			0.00		0.00		0.00	
27.21	Maintained R/W									N/A
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									N/A
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									N/A
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									N/A
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.25	R/W Monumentation									N/A
		Point			0.00		0.00		0.00	
27.26	Line Cutting									N/A
		Mile			0.00					
27.27	Work Zone Safety									N/A
					0.00					
27.28	Vegetation Survey									N/A
		LS							0	
27.29	Tree Survey									N/A
		LS							0	
27.30	Miscellaneous Surveys									N/A
					0.00		0.00		0.00	
Survey Subtotal				**Crew Days**	**9**	**Field Support Hours**	**16**	**Office Support Hours**	**30**	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.31	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				9	0		0		0	
27.32	Document Research	Units								utility research and coordination
									0	
27.33	Field Reviews	Units								
									0	
27.34	Technical Meetings	LS								
									0	
27.35	Quality Assurance / Quality Control	LS								
								5%	2	
27.36	Supervision	LS								
								5%	2	
27.37	Coordination	LS								
								3%	1	
			27. Survey Total	Crew Days	9	Field Support Hours	16	Office Support Hours	35	

SPLS =
PLS =
Office Support =
Total Hours = 51

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	Comments
Kickoff Meeting with FDOT	EA	0	0	0		0	
Baseline Approval Review	EA	2	2	4		0	
Network Control Review	EA	0	0	0		0	
Vertical Control Review	EA	0	0	0		0	
Local Governments (cities, counties)	EA	0	0	0		0	
Final Submittal Review	EA	0	0	0		0	
Other Meetings	EA	6	2	12		0	
Subtotal Technical Meetings				**16**	**Subtotal PM Meetings**	0	
Progress Meetings (if required by FDOT)	EA	0	0	0	**	- -	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
Phase Review Meetings		EA	0	0	0	**			- -	
Total Meetings					**16**	**Total PM Mtgs (carries to Tab 3)**			**0**	
					Carries to 27.34				Carries to Tab 3	

**** Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

29. Mapping

Estimator: Bill Faust, PSM

Cahoon Road Ph 2 Additional Survey Efforts and R/W Maps.
#23-0505.000

Representing	Print Name	Signature / Date
FDOT District	District 2	
Consultant Name	DRMP, Inc.	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Master CADD File						
29.1	Alignment	Mile	0	0		0	Done as part of Design Survey.
29.2	Section and 1/4 Section Lines	Section	0	0		0	No Section work done per scope.
29.3	Subdivisions / Property Lines	EA	0	0		0	Plat lot lines, parcel lines and easements per recorded deeds, plats and COJ R/W maps. No title work done.
29.4	Existing R/W	Mile	0	0		0	Existing R/W per COJ R/W maps and found monumetation.
29.5	Topography	Mile	0	0		0	No topography included in maps per scope.
29.6	Parent Tract Properties/Existing Easements	Parcel	0	0		0	Not done per scope.
29.7	Proposed R/W Requirements	Parcel	0	0		0	Unknown at this time.
29.8	Limits of Construction	Mile	0	0		0	N/A
29.9	Jurisdictional/Agency Lines	Linear Mile	0	0		0	N/A
	Sheet Files						
29.10	Control Survey Cover Sheet	Sheet	0	0		0	N/A
29.11	Control Survey Key Sheet	Sheet	0	0		0	N/A
29.12	Control Survey Detail Sheet	Sheet	0	0		0	N/A
29.13	R/W Map Cover Sheet	Sheet	1	8		8	One (1) Right Of Way Map Cover Sheet per COJ standards.
29.14	R/W Map Key Sheet	Sheet	2	12		24	One (1) Right Of Way Map Key Sheet (Scale 1"=400)
29.15	R/W Map Detail Sheet	Sheet	7	21		147	Seven (1) Right Of Way Detail Sheets (Scale 1"=40'). Detail sheets will only show plat and property lines adjacent to Cahoon Rd. R/W. Proposed pond sites, takes and easements may need more mapping and field efforts. Position of these parcels are unknown at this time.
29.16	Maintenance Map Cover Sheet	Sheet	0	0		0	N/A
29.17	Maintenance Map Key Sheet	Sheet	0	0		0	N/A
29.18	Maintenance Map Detail Sheet	Sheet	0	0		0	N/A
29.19	Reference Point Sheet	Sheet	0	0		0	N/A
29.20	Project Network Control Sheet	Sheet	0	0		0	Done as part of Design Survey.
29.21	Table of Ownerships Sheet	Sheet	0	0		0	Not done per scope.

29. Mapping

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
	Miscellaneous						
29.22	Parcel Sketches	Parcel	0	0		0	
29.23	TIITF Sketches	Parcel	0	0		0	
29.24	Other Specific Purpose Survey Map	EA	0	0		0	
29.25	Boundary Survey(s) Map	EA	0	0		0	
29.26	R/W Monumentation Map	Sheet	0	0		0	
29.27	Title Search Map	LS	0	0		0	
29.28	Title Search Report	LS	0	0		0	
29.29	Legal Descriptions	Parcel	0	0		0	
29.30	Final Maps/Plans Comparison	Sheet	0	0		0	
				Mapping Technical Subtotal	**0**	**179**	
29.31	Field Reviews	EA	0	0		0	
29.32	Technical Meetings	LS	0	0		0	
29.33	Quality Assurance/Quality Control	EA	%	5%		9	
29.34	Supervision	EA	%	0%		0	
				Mapping Nontechnical Subtotal		**9**	
29.35	Coordination	LS	%	0%		0	
29.36	Supplemental Mapping	LA	%	0%		0	
				29. Mapping Total	**0**	**188**	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Comments	Number of Required PM Meetings?
Kickoff meeting	EA	0	0	0			0
Control map review	EA	0	0	0			0
45/60/90/final map review	EA	0	0	0			0
Other meetings	EA	0	0	0			0
Subtotal Technical Meetings				**0**		**Subtotal Project Manager Meetings**	0
Progress Meetings (if required by FDOT)	EA	0	0	0		*PM attendance at Progress Meetings is manually entered on General Task 3*	- -
Phase Review Meetings	EA	0	0	0		*PM attendance at Phase Review Meetings is manually entered on General Task 3*	- -
Total Meetings				**0**		**Total Project Manager Meetings (carries to Tab 3)**	**0**

Carries to 29.32

Carries to Tab 3

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project	2. Proposal Number
COJ Cahoon Road Phase II Survey and Mapping Fee	P-05-23
3. Name of Consultant	**4. Date of Proposal**
DRMP, Inc.	9/19/2024

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Dept Manager (Senior PM)	$90.91	12	$1,090.92	
Surveyor VI (PSM)	$80.00	24	$1,920.00	
Survey Tech III	$43.64	195	$8,509.80	
UAS Technician (Surv Tech II)	$41.82	0	$0.00	
Admin Support II	$30.91	8	$247.28	
Surveyor IV (PSM)	$54.55	0	$0.00	
Lidar Analyst (Surv IV)	$54.55	0	$0.00	
Lidar Tech (Surv Tech II)	$41.82	0	$0.00	
3-man Survey Crew	$80.00	72	$5,760.00	
TOTAL DIRECT LABOR		311	Hours	$17,528.00
6. Overhead (Combined Fringe Benefit & Administrative)			150%	26292
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$43,820.00
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$4,382.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
LiDAR Unit Cost	$ 0.00	
	$	
	$	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LIMITING AMOUNT (Items 5, 6, 8, 9 and 10)		$48,202.00
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Limiting Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$48,202.00**

EXHIBIT G

27. Survey

Estimator: Alnbert Taylor

Cahoon Road Ph 2
#23-0505.000

Representing	Print Name	Signature / Date
FDOT District	**District 2**	
Consultant Name	**DRMP, Inc.**	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									N/A
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									N/A
	2-Lane Roadway	Mile			0.00		0.00		0.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									N/A
		Mile			0.00		0.00		0.00	
27.4	Aerial Targets			Units/Day						N/A
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	**"A"**		Units/Day						N/A
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
	Reference Points	**"B"**		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	N/A
27.6	Topography/DTM (3D)									N/A
		Mile			0.00		0.00		0.00	
27.7	Planimetric (2D)									N/A
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									N/A
		EA			0.00		0.00		0.00	
27.9	Side Street Surveys									N/A
		EA			0.00		0.00		0.00	
27.10	Underground Utilities									Provide Quality Level A "Locating" effort(VVH/Test Holes), per ASCE/UESI/CI 38-22 at conflict locations, as identified by EOR. Estimate scope is as follows: 80 Total VVH/Test Holes at 6 holes per day = 13.5 Crew Days *25% was intended to be included with first Phase estimate, however was excluded in Fee. Therefore, 80 VVhs are included with this Scope and Fee. Provide ASCE Quality LeveL B "Designating" effort, as needed to facilitate "Locating efforts", per ASCE/UESI/CI 38-22 within limits as follows: Cahoon Rd., from Beaver St. to Lenox St. overall length of approx. 8,200'. Per Sunshine One Call Design Ticket, 11 Utilities within the corrdidor(11 x 8,200' = approx. 90,200' of utilities) 90,200' at 3,000'/Day = 30 Crew Days (25%, 8 Days, was allocated to first phase Scope and Fee, leaving 22 Field Crew Days remaining within this Scope and Fee as negotiated) Survey of ASCE Quality Level A & B results will be provided by DRMP.
	Designates	Mile/Site	1.00	22.00	22.00	1.25	27.50	4.00	88.00	
	Locates	Point	1	13.5	13.50	1.25	16.88	4.00	54.00	
	Survey		20%	35.50	7.10	1.25	8.88	4.00	28.40	
27.11	Outfall Survey									N/A
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						N/A
		EA			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.13	Bridge Survey									N/A
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									N/A
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									N/A
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									N/A
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									N/A
		Mile					0.00		0.00	
27.18	Geotechnical Support			Units/Day						N/A
		EA			0.00		0.00		0.00	
27.19	Sectional / Grant Survey									N/A
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									N/A
		Block			0.00		0.00		0.00	
27.21	Maintained R/W									N/A
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									N/A
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									N/A
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									N/A
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.25	R/W Monumentation									N/A
		Point			0.00		0.00		0.00	
27.26	Line Cutting									N/A
		Mile			0.00					
27.27	Work Zone Safety									MOT as required
			0.125	42.60	5.33					
27.28	Vegetation Survey									N/A
		LS							0	
27.29	Tree Survey									N/A
		LS							0	
27.30	Miscellaneous Surveys									N/A
					0.00		0.00		0.00	
Survey Subtotal				**Crew Days**	**48**	**Field Support Hours**	**53**	**Office Support Hours**	**170**	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.31	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				48	0		0		0	
27.32	Document Research	Units								utility research and coordination
			10.00						10	
27.33	Field Reviews	Units								
			0.00						0	
27.34	Technical Meetings	LS								
			16.00						16	
27.35	Quality Assurance / Quality Control	LS								
								5%	9	
27.36	Supervision	LS								
								5%	12	
27.37	Coordination	LS								
								3%	5	
			27. Survey Total	Crew Days	48	Field Support Hours	53	Office Support Hours	222	

SPLS =
PLS =
Office Support =
Total Hours = 276

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	Comments
Kickoff Meeting with FDOT	EA	0	0	0		0	
Baseline Approval Review	EA	2	2	4		0	
Network Control Review	EA	0	0	0		0	
Vertical Control Review	EA	0	0	0		0	
Local Governments (cities, counties)	EA	0	0	0		0	
Final Submittal Review	EA	0	0	0		0	
Other Meetings	EA	6	2	12		0	
Subtotal Technical Meetings				**16**	**Subtotal PM Meetings**	0	
Progress Meetings (if required by FDOT)	EA	0	0	0	**	- -	

27. Survey

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
Phase Review Meetings		EA	0	0	0	**			- -	
Total Meetings					**16**	**Total PM Mtgs (carries to Tab 3)**			**0**	
					Carries to 27.34				Carries to Tab 3	

**** Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3**

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project COJ Cahoon Road Phase II SUE PH2 Fee	2. Proposal Number P-05-23
3. Name of Consultant DRMP, Inc.	4. Date of Proposal 9/19/2024

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Dept Manager (Senior PM)	$90.91	24	$2,181.84	
Surveyor VI (PSM)	$80.00	72	$5,760.00	
Survey Tech III	$43.64	170	$7,418.80	
Admin Support II	$30.91	53	$1,638.23	
3-man SUE Crew	$87.27	480	$41,889.60	
TOTAL DIRECT LABOR		799	Hours	$58,888.47
6. Overhead (Combined Fringe Benefit & Administrative)			150%	88332.705
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$147,221.18
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$14,722.12

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs	$ $ $ $	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)	$ $	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LIMITING AMOUNT (Items 5, 6, 8, 9 and 10)		$161,943.29
11. REIMBURSABLE COSTS (Limiting Amount)	$ 0.00 $ 0.00 $ 0.00 $ 0.00	
SUB-TOTAL REIMBURSABLES		$0.00

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Limiting Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$161,943.29**

EXHIBIT G

Docusign Envelope ID: C00E39C6-4973-43B2-BE92-76BAC1A5FD29

JANET O. WHITMILL, R.L.A, INC.
LANDSCAPE ARCHITECT

September 20, 2024

Srikanth Yeleswarapu, P.E.
Project Manager
Eisman & Russo, Inc.
6455 Powers Avenue I Jacksonville, FL 32217

RE: Proposal for Landscape Architectural Design Services for
Cahoon Road from Lenox Avenue to Beaver St - Jacksonville, Florida

Dear Srikanth,

This letter is to serve as the scope of services offered by Janet O. Whitmill, R.L.A. for the above referenced project. The landscape architectural design services are as follows:

Construction Documents:

- **Planting Plan**: A planting plan will show existing and proposed plant materials with location, species and quantities. Plans will be designed s to meet city's landscape requirements for prompt approval.
- **Tree Mitigation Plan**: A tree mitigation plan shall be prepared to depict the trees to remain, remove and be credited. The plan shall meet city's minimum requirements and show required tree protection barricades. No tree assessment information shall be added to plans unless prepared by our company. No tree flagging or surveying included in the proposal.
- **Tree Assessment**: A tree assessment shall be performed by a certified arborist on site to determine the health and viability of the specimen tree to be preserved and removed. The owner shall determine the Limits of Clearing (LOC) prior to the commencement of the tree assessment. Owner require to pay all fees.
  (Option: $6,700.00) ____Accept _____Decline. Please initial.
- **Contract Administration**: The Landscape Architect shall perform one site inspection. A written report for the meeting shall be provided to the owner.
  (Option: $600.00) ____Accept _____Decline. Please initial.
- Details and Specifications to support submitted plans will be provided.

Terms of Agreement:

The professional lump sum fees for the base services, without options, outlined above will be:
$15,900.00 (fifteen thousand nine hundred dollars)

This fee proposal is subject to acceptance within 120 days. Invoicing for the tasks outlined above will be on a monthly basis. Payment is required within 30 days from the date of invoice. A **50% retainer** shall be required prior to commencement of work. This fee proposal is subject to acceptance within 120 days. In the event that we are required to retain an attorney to collect on this account, you will also responsible for all collection costs, including an attorney's fee. Blueprinting, delivery and other expenses will be invoiced as direct reimbursable expenses. Any modifications or changes to the approved permit documents shall be additional to the lump sum fee. Billing for any additional scope of services shall be based upon an hourly rate of $150.00 per hour. All original drawings, tracings and sketches shall remain the property of the Landscape Architect. The client shall retain exclusive rights to all drawings.

All work shall be completed within ten working days of receipt of Auto Cad drawing. Should this proposal meet your approval, please sign below. I look forward to working with you on this project.
Sincerely,

Janet O. Whitmill

Janet O. Whitmill, R.L.A.

_____ _____
Signature of Acceptance Date

P.O.BOX 5212 • JACKSONVILLE, FL • 32247-5212
PHONE: 904 398 7688
EMAIL: J_O_WHIT@BELLSOUTH.NET

"EXHIBIT B"

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project Engineering Design Services for Cahoon Road Phase 2 (Phase 2 - Design Phase)	3. Contract Number RFP # P-05-23
2. Name of Consultant Janet O. Whitmill, L.A, Inc.	4. Proposal Date 9/25/24

PART II - LABOR RELATED COSTS

5. Direct Labor		Hourly Rate	Estimated Hours	Estimated Cost	Contract Amount
Professional Lansdcape Architect		$72.25	80.0	$5,780.00	
Arborist		$41.10	59.5	$2,445.45	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
				$0.00	
TOTAL DIRECT LABOR			140	Hours	$8,225.45
6. Overhead (Combined Fringe Benefit & Administrative) **Overhead Rate**		150 % x Total Direct Labor			$12,338.18
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$20,563.63
8. PROFIT: Labor Related Costs (Item 7)				x 10%	$2,056.36

PART III - OTHER COSTS

9. Miscellaneous Direct Costs			
Transportation	$		
Phone/Communication	$		
Computer Equipment/Software	$		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$0.00
10. SUBCONTRACTS (Limiting Amount)			
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
	$	0.00	
SUB-CONTRACT SUB-TOTAL			$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			**$22,619.99**
11. REIMBURSABLE COSTS (Limiting Amount)			
	$	0.00	
SUB-TOTAL REIMBURSABLES			$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$22,619.99**
PREVIOUS CONTRACT AMOUNT	**$0.00**