City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
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Jacksonville, FL 32202
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ONE CITY. ONE JACKSONVILLE.

July 30, 2018

TO: Gregory W. Pease, Chairman
Professional Services Evaluation Committee

THRU: John P. Pappas, P.E.
Director

08/09/18 12:03:48
Procurement Division

FROM: William J. Joyce, P.E.
Director of Operations

R. Duane Kent, P.E.
Public Works Project Manager

SUBJECT: P-60-17 Professional Design Services for Armsdale Road Sidewalk and Roadway Improvements
JECP32TTID-06505-PW0825-01

The Engineering Division has negotiated with the consultant selected for Professional Services for Professional Design Services for Preparation of Armsdale Road Sidewalk and Roadway Improvements, resulting in the attached Scope of Services, Exhibit A and Contract Fee Schedule, Exhibit B. JSEB firms to be utilized to meet the 20% Participation Percentage Plan for this contract are detailed on a separate attachment.

Accordingly, this is to recommend that the City of Jacksonville enter into a contract with Peters and Yaffee, Inc. for Professional Design Services for Armsdale Road Sidewalk and Roadway Improvements, that includes the attached Scope of Services identified as Exhibit "A" and Fee Schedule identified as Exhibit "B", to provide a lump sum amount for Design Services in the amount of $249,853.81 and not to exceed limits for: Lighting & Structures Design in the amount of $61,211.58, Landscape Design in the amount of $26,015.00, Environmental Services in the amount of $16,596.12, Geotechnical Services in the amount of $6,123.58, Survey in the amount of $51,064.17 and Subsurface Utility Engineering in the amount of $23,953.22, with a maximum indebtedness to the City in the amount of $434,817.48 and with an expiration date of Project Completion. All other terms and conditions are as provided in the RFP and the City's standard contract language.

WJJ/lw

Attachment: Exhibits A & B
JSEB Participation

cc: Lori West, Contract Specialist

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SCOPE OF SERVICES
July 5, 2018

PROFESSIONAL DESIGN SERVICES FOR
ARMSDALE ROAD SIDEWALK AND ROADWAY IMPROVEMENTS
RFP NO. P-60-17
CITY OF JACKSONVILLE, FLORIDA

A. PROJECT DESCRIPTION

1. The intent of this project is to provide final construction documents for proposed sidewalk and roadway improvements for Armsdale Road from Dunn Avenue to Duval Road and for Duval Road from Victoria Point Drive to Armsdale Road in Duval County.

2. The project length is approximately 1.5 miles.

3. The scope of this project is based on recommendations included in the Request for Proposals (RFP) P-60-17 for Professional Design Services for Armsdale Road Sidewalk and Roadway Improvements dated August 2017. These improvements include the following:

    a. Design of sidewalk improvements on Armsdale Road from Duval Road to Dunn Avenue. New sidewalk is to be constructed on one side of the roadway only.

    b. Design of sidewalk improvements on Duval Road from Victoria Point Drive to South of Mission Creek Drive and from the Duval Road/Armsdale Road intersection to a point located approximately 300' south. New sidewalk will be constructed on the east side of the roadway to provide connectivity between existing sidewalk sections.

    c. Study and design improvements to the Duval Road/Armsdale Road intersection.

    d. Study and design improvements for the existing 90-degree curve on Armsdale Road.

    e. Study and design a location for a mid-block crossing on Armsdale Road.

    f. Design/Permitting of drainage improvements related to and required for the above listed

B. PROJECT SCOPE

1. <u>Project General Tasks</u>

    a. *Notice to Proceed Meeting* – The Consultant team shall prepare for and attend one Notice to Proceed Meeting with City of Jacksonville (COJ) staff.

b. *Project Status Meetings* – The appropriate members of the Consulting team shall attend up to five progress meetings with COJ staff to discuss project progress and status, upcoming events and activities. The purpose of these meetings is to maintain clear communication between the COJ and the Project Team. The Consultant shall prepare and distribute meeting minutes following each of these meetings. These meetings will be conducted prior to starting design, at each submittal and at any other appropriate milestones.

c. *Project Schedule* – The Consultant shall prepare and submit a project schedule for this project identifying major tasks, their duration and tasks relationships. The schedule shall be updated monthly and provided to the COJ.

d. *Invoices/Progress Report* – Invoices shall be prepared in the format prescribed by the COJ and submitted monthly. Progress reports shall be submitted with each monthly invoice.

e. *Quality Assurance/Quality Control* – The Consultant shall designate appropriate staff to conduct Quality Assurance/Quality Control (QA/QC) reviews of all work products prior to submittals to the COJ.

2. Roadway Analysis and Plans

The Consultant will perform the necessary roadway analyses, prepare construction plan sheets, notes and details for a complete set of roadway construction documents to convey the intent and scope of the project for the purposes of construction. This task will include the preparation of an ADA report which will document all known ADA deficiencies on existing sidewalk sections within the project corridor. Also included herein are the analyses, plans and design details necessary for a safe and effective Maintenance of Traffic (MOT) Plan to move vehicular and pedestrian traffic during all phases of construction. The design will be prepared in accordance with the COJ Land Development Procedures Manual, COJ Standard Details and Specifications and the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Florida Greenbook). This task will also include providing supplemental assistance required by COJ to prepare and provide specifications/bid document packages in accordance with COJ standard processes and procedures.

3. Drainage Analysis and Plans

The Consultant will provide services necessary for the analysis and final design of improvements to the existing and any proposed drainage facilities necessary to support the proposed sidewalk and roadway improvements. The Consultant will also account for all off-site drainage currently flowing to the roadway and accommodate for same in the design. Except for the potential construction of a Stormwater Facility, all proposed drainage improvements are anticipated to remain within the current COJ right of way. All design work will be in compliance with the COJ Land Development Procedures Manual and the requirements of the regulatory agencies. The consultant's drainage analysis includes the following provisions:

a. Design of extensions to two (2) existing upland cross drain culverts.

b. Analysis and final design development for conversion of ditch sections to piped systems with ditch bottom inlets for collection and routing of stormwater runoff.

c. Analysis and final design of a stormwater pond to capture runoff collected by new piped collection systems. (This will be an Optional Service)

d. Analysis and final design for the re-grading and/or reshaping of the existing roadside ditches as well as the analysis for the replacement/relocation of existing driveway sidedrains and their end treatments.

e. Signed and Sealed Drainage Design Report to serve as a record set of all hydrologic and hydraulic drainage computations.

4. Utility Coordination

The Consultant shall be responsible for coordinating all design with the affected utility companies in order to minimize utility conflicts. The following services will be included:

a. The Consultant will obtain a Sunshine 811 design ticket to identify private and public utility companies with facilities located within the project corridor. The Consultant will obtain plans of their existing facilities within the project limits. All utility features identified within the corridor will be shown on the 50% design plans. The Consultant will make a final contact with these utilities prior to submission of the 100% plans. The Consultant shall provide a list of utility owners and contact information with each submittal.

5. Traffic Studies

a. Duval Road/Armsdale Road Intersection Operation Analysis Study - An operational analysis study will be conducted using methodology and software approved by the City of Jacksonville. The operational analysis shall be consistent with methodologies contained in the 2010 Highway Capacity Manual (or newer version if available). We will review existing crash data for the past five years from Signal Four Analytics. Analyses will be conducted for the existing conditions (existing traffic and geometry) and proposed recommended conditions (forecasted traffic and proposed geometry). We will prepare a signed and sealed engineering report detailing the conclusions and recommendations of the analysis.

b. Signal Warrant Analysis Study – PY will review the existing Signal Warrant Analysis Study prepared by others.

c. Mid-Block Crossing Study - A mid-block pedestrian crossing is proposed to be located on Armsdale Road in the vicinity of Nettlebrook Street North. A Mid-Block Crossing Study will be conducted to determine to determine if the mid-block crossing is warranted. We will coordinate with the City Traffic Engineer

to obtain approval to conduct the Mid-Block Crossing Study. Generator and attractor Land Uses will be identified on an aerial to illustrate potential pedestrian routes to the proposed mid-block crossing locations. Pedestrian activity in the vicinity of the proposed mid-block crossing will be recorded during the AM peak period (7 am to 9 am), Midday peak period (11:30 am to 1:30 pm) and PM peak period (4 pm to 6 pm) for a total of three days (Tuesday to Thursday) at the proposed locations. During the AM, Midday and PM peak hours, vehicle gaps in traffic will be recorded. The pedestrian time to cross the mid-block crosswalk will also be calculated and the percentage of acceptable gaps will be determined. The Average Daily Traffic on Armsdale Road at the mid-block crosswalk location will be obtained from traffic counts conducted by PY. The distance to the next adjacent crosswalk on Armsdale Road will be determined. The distance between intersections adjacent to the proposed mid-block crosswalk locations will be determined. Stopping sight distance at the proposed mid-block crosswalk location will be field determined. The location of existing and proposed sidewalks along Armsdale Road will be identified. Transit usage and transit stops along Armsdale Road will be identified. We will review existing crash data, in the vicinity of each proposed mid-block crosswalk location, for the past five years from Signal Four Analytics. The type, location, date and time will be summarized for each crash event. A report will be prepared detailing the results, conclusions and recommendations.

d. Armsdale Road 90° Curve Study - A qualitative field review will be conducted to assess the existing conditions along the 90° curve. We will utilize a ball-bank indicator to measure the overturning force on the vehicle negotiating the horizontal curve. This will be conducted to check if the posted speeds at the curve are adequately signed for the corresponding curve geometry. To obtain accurate results we will drive the corridor, at a minimum, three (3) times in each direction and record ball-bank readings for varying speeds throughout the curve. This study help us to determine where turn and curve signs with advisory speed plaques are required. Crash data will be obtained for the past five years from Signal Four Analytics and reviewed and used to determine if additional recommendations will need to be implemented. A report will be prepared detailing the results, conclusions and recommendations.

6. <u>Signing and Pavement Marking Analyses and Plans</u>

The Consultant will perform the necessary signing and pavement marking analyses and prepare construction plan sheets, notes and details for the specific locations identified below in order to convey the intent and scope of the project for the purposes of construction.

a. 90-Degree Curve on Armsdale Road – Analysis and design of signing and marking improvements to improve safety characteristics at this location.

b. Mid-Block Pedestrian Crossing – Analysis and design of signing and pavement marking improvements at a proposed Mid-Block Pedestrian Crossing (location to be determined)

c. Duval Road/Armsdale Road Intersection – Analysis and design of signing and pavement marking improvements at this intersection if signalization of the intersection is justified.

7. Signalization Analyses and Plans

The Consultant will perform the necessary signalization analyses and prepare construction plan sheets, notes and details for the addition of a Rectangular Rapid Flashing Beacon (RRFB) on Armsdale Road in the vicinity of Nettlebrook Street North.

8. Signalization Analyses and Plans (Optional Services)

The Consultant will perform the necessary signalization analyses and prepare construction plan sheets, notes and details for the conversion of the Duval Road/Armsdale Road to a signalized intersection.

9. Lighting Analysis and Plans

The Consultant will perform the necessary lighting analyses and prepare construction plan sheets, notes and details for lighting of the proposed sidewalk and crosswalk locations as determined by the above referenced traffic analysis.

Includes a lighting analysis/project justification report and documenting all the projects common tasks in accordance with the Department of Public Works of the City of Jacksonville guidelines, applicable standards and current design characteristics in effect at the time of design. All new lighting will be LED to meet or exceed the minimum new illumination levels in compliance with PPM Vol. 1, Chapter 7's horizontal and vertical criteria of the Florida Department of Transportation Design Guidelines, FBC and local authorities having jurisdiction on the project affected areas.

The City of Jacksonville will be provided with the required Lighting Justification Report and Lighting Design Analysis Reports as part of our lighting design efforts. The reports will be submitted under a separate cover with phases I and 2. The Lighting Design Analysis will include but not be limited to: Lighting calculations (photometric calculation) showing required illumination levels and horizontal/vertical calculations, at least three lighting design alternatives with recommendations for each alternative including different pole heights, luminaire wattage and arm length (alternatives will include a detailed cost estimate that includes initial cost in addition to operation and maintenance cost for a year), voltage drop calculation, conduit and wiring sizing and load analysis calculations for each branch circuit prepared by a Professional Electrical Engineer. Preliminary reports will be submitted for the City approval and final approved report will be submitted with each project submittal.

Photometric calculations will be prepared and submitted to the City using standard AGI32-17 lighting calculations software to make sure that our design meets the minimum illumination level requirement of 1.5 horizontal and vertical foot-candle (fc), Ave./Min of

4:1 or less, Max./Min. of 10:1 or less and Lvmax/Lavg. of 0.3:1 or less. On horizontal illumination, independent analysis zones for each area will be established. Illumination points within the polygon will be taken at 5-foot intervals longitudinally and 5-foot transversely along the Armsdale Road sidewalk and vertical illumination grid points will be on a line centered in the area with a horizontal point spacing of 1.65 feet at a height of 5 feet above the pavement.

Final design documentation will include phase submittal checklist, structural calculations for special pole foundations, and correspondence with the power company concerning new electrical service. Lighting plans will be prepared in accordance with the City guidelines including lighting specification, key sheet, tabulation of quantities, notes, poles data, project layout and temporary lighting (if required), details, etc.

10. Structural Analysis and Plans

Structural design services for mast arms at the Armsdale Road North/Duval Road intersection will be provided. Vertical clearances will be checked; Structural design of the mast arm, pole, and foundations using the FDOT Mathcad mast arm design program will be provided; and construction plans consisting of mast arm data tables (standard and/or special design as applicable) will also be provided. Information to be provided by others includes, but is not limited to, geotechnical design parameters; sign and signal sizes and locations; pole configurations, and survey information.

11. Environmental Permitting

Environmental permitting services include the following:

a. Conduct field investigations to delineate the extent of jurisdictional wetlands and surface waters pursuant to state and federal methodologies [St. Johns River Water Management District (SJRWMD) and U.S. Army Corps of Engineers (USACE)]. While in the field, information for inclusion on USACE data sheets will be collected.

b. Conduct preliminary wildlife surveys to determine whether the habitats support, or have the potential to support state or federally-listed species.

c. Prepare SJRWMD and USACE permit support documents for proposed temporary and permanent wetland impacts. This includes a Uniform Mitigation Assessment (UMAM) evaluation to determine mitigation requirements (if necessary). If wetland impacts are less than 0.5 acre, the project will likely qualify for a SJRWMD General Environmental Resource Permit (62-330.447, F.A.C.) and a USACE Nationwide Permit 14. If impacts exceed 0.5 acre, individual permits may be required by both agencies.

12. Tree Assessment/Mitigation Plan

a. Tree Assessment - Inventory trees within project limits and prepare a plan showing location of protected species in conformance with COJ Tree Ordinance. The Tree Assessment will be performed by a certified arborist on site to determine the health and viability of the specimen trees to be removed.

b. Tree Mitigation Plan – A Tree Mitigation Plan will be prepared to depict the trees to remain, to be removed and to be credited. The plan shall meet COJ minimum requirements and show required tree protection barricades.

13. Design Survey

Design Survey requirements for this project include:

a. Establish primary horizontal control points on the NAD 83/2011 Datum at +/- 1000-foot intervals through the project corridor. Establish primary vertical control points on the NAVD 88 Datum. Establish three project benchmarks and nine temporary benchmarks at +/- 1000 foot intervals.

b. Locate existing right of way monumentation along the proposed project route to determine and calculate the existing right-of-way line.

c. Establish baseline of survey alignment and monument same for recovery/use by the contractor. No reference points will be set.

d. Prepare a 3D DTM and Topographic survey from the existing edge of pavement to five feet beyond the existing right-of-way. Locate all topography including buildings, mailboxes, driveways, sidewalks, fences, signs, street light poles, above ground utilities, pavement, pavement markings, traffic signals, curbing, curb cuts, ADA ramps, side drains, cross drains, structures, manholes, valves, valve boxes, fire hydrants, phone pedestals, phone poles, trees, tree lines, ornamental trees, shrubs, guardrails, call boxes, traffic count cabinets, traffic sensor loops and lead-ins to window, pull boxes, etc.

e. Provide detailed survey of the intersection of Duval Road and Armsdale Road. Survey to extend 200 linear feet on each roadway from right-of-way to right-of-way plus five feet.

f. Topographic/DTM survey of a one acre stormwater facility site. (Optional Service)

g. Work zone safety is included in all field survey tasks.

h. Preparation of a paper map of the survey is not included.

i. Provide Subsurface Utility Designation, Level "B". Subsurface Utility Excavations for location of existing utilities (VVH). A total of twenty (20) Test Holes will be provided.

j. Prepare a 3D DTM and Topographic survey for a one acre stormwater pond (Optional Service)

k. Survey data will be delivered in SURVRD.DGN digital file format database and include a GeoPak TIN file of the DTM surface. Additionally, TOPORD, UTEXRD and DREXRD 2D files will be supplied.

14. Geotechnical

a. Perform 20 Auger borings to six feet depth (one every 500 feet and four delineation augers for unsuitable soils)

b. Perform two SPT borings to 30 feet depth at the proposed signalization structures at the Duval Road/Armsdale Road intersection. (Optional Service)

c. Perform one Auger boring to 25 feet depth at the Stormwater Pond Site (Optional Service)

d. Underground utility locations will be identified through the Sunshine One-Call system. However, private utilities not registered with the system, such as irrigation systems, will need to be located by the Owner.

e. Laboratory classification and index property tests will be performed as necessary on selected soil samples obtained from the explorations.

f. A geotechnical report will be prepared and will contain the following:

    i. A brief discussion of understanding of the planned construction and imposed loading conditions.

    ii. A presentation of the field and laboratory test procedures used and the data obtained.

    iii. A presentation of the existing on-site conditions, such as topography, surface vegetation, etc. as they relate to the planned construction.

    iv. A presentation of the encountered subsurface conditions, including subsurface profiles and measured groundwater levels, estimated seasonal high groundwater levels, and estimated geotechnical engineering properties (as necessary).

    v. A geotechnical engineering evaluation of the site and subsurface conditions with respect to the planned construction.

    vi. Recommendations for foundation design parameters for the signalization structures at the Duval Road intersection including an estimate of the performance of the foundation system.

    vii. Recommendations for the required site preparation and earthwork construction.

    viii. Recommendations for sidewalk pavement design and construction.

g. Perform One (1) Auger Boring at a proposed stormwater pond site (Optional Service)

h. Perform Two (2) Standard Penetration Tests for new signalization structures at the Duval Road/Armsdale Road Intersection (Optional Service)

15. <u>Construction Cost Estimate</u>

The Consultant will provide two construction cost estimates, one with the 50% design plans and the second with the 90% design plans.

16. Project Coordination

The Consultant will coordinate the proposed improvements with adjacent projects. These include the construction of sidewalk from Lem Turner Road to Duval Road along Armsdale Road prepared by others for the Jacksonville Transportation Authority as well as the proposed Charter School to be located on the south side of the Dunn Avenue/Armsdale Road intersection. Coordination with the OakBrook and Northbrook Homeowner's Associations may also be necessary to discuss sidewalk connectivity issues.

C. PROJECT DELIVERABLES

There will be four (4) submittals for this project (30%, 60%, 90% and Final). Ten (10) sets of 11 x 17 construction plans will be submitted by the Consultant for each submittal. Final deliverables will be made in AutoCad format.

D. PROJECT SCHEDULE

The Consultant will provide a project schedule to the COJ no later than 10 days after Notice-to-Proceed (NTP). The schedule will be based on the scope requirements as outlined herein.

E. CITY OF JACKSONVILLE'S RESPONSIBILITIES

1. Documents

The COJ shall provide access to any available plans, maps and other pertinent information under its control essential to the satisfactory completion of the work indicated herein.

2. Reviews

The COJ will provide timely reviews of the Consultant's work in accordance with the schedule agreed upon between the COJ and the Consultant. Each review period by the COJ shall be three weeks, at which time all comments will be forwarded to the Consultant.

F. ASSUMPTIONS

1. This effort does not include any Contamination investigations or analysis. If areas are identified during the design, requiring further analysis, they will be addressed separately.

2. Utility relocation design services are not included in this scope of work. If relocations and/or upgrades are identified as necessary by utility agencies, the relocation design work will be addressed separately.

3. The COJ will be responsible for all agency permitting and/or application fees. These costs are not part of the Consultant's scope and proposal.

4. All improvements will be within the City of Jacksonville's right-of-way.

G. NOTICE TO PROCEED

1. No work on this project will be performed until a fully executed Contract and Notice to Proceed has been issued by COJ authorizing Consultant to initiate execution of the project.

EXHIBIT B

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

PART I - GENERAL	
1. Project Armsdale Road Sidewalk & Roadway Improvements	**2. Proposal Number** COJ P-60-17
3. Name of Consultant Peters and Yaffee, Inc.	**4. Date of Proposal** 7/30/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 76.57	27	$ 2,067.39	
Project Manager	$ 69.62	209	$ 14,550.58	
Senior Engineer	$ 65.30	166	$ 10,839.80	
Design Engineer	$ 42.40	710	$ 30,104.00	
Designer (Non-Reg.)	$ 26.20	297	7,781.40	
Engineering Intern	$ 30.13	367	$ 11,057.71	
Drafter/CADD	$ 23.98	239	$ 5,731.22	
Clerical	$ 23.21	20	$ 464.20	
TOTAL DIRECT LABOR	$40.59	2035		$ 82,596.30
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	175 % x Total Direct Labor			$ 144,543.53
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 227,139.83
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 22,713.98

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Original Reproducibles	$ 0.00	
Reproduction	$ 0.00	
Other (Specify)	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
Other (Specify)	$ 0.00	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 249,853.81
11. REIMBURSABLE COSTS (Limiting Amount)		
Lighting & Structures Design (STV)	$ 61,211.58	
Landscape Design (Janet Whitmill)	$ 26,015.00	
Environmental Services (ERS)	$ 16,596.12	
Geotechnical Investigations (ECS Limited)	$ 6,123.58	
Design Survey (Robert M. Angus)	$ 51,064.17	
Subsurface Utility Engineering (DRMP)	$ 23,953.22	
SUB-TOTAL REIMBURSABLES		$ 184,963.67

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 434,817.48**

Exhibit 'B'

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Armsdale Road Sidewalk	2. Proposal Number COJ P-60-17
3. Name of Consultant STV Incorporated	4. Date of Proposal 5/8/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$63.87	20	$1,277.40	
Principal	$98.04	0	$0.00	
Chief Engineer	$78.25	74	$5,790.50	
Senior Engineer	$58.20	112	$6,518.40	
Design Engineer	$41.33	109	$4,504.97	
Designer	$40.66	0	$0.00	
CADD/Computer Tech	$26.93	38	$1,023.34	
Engineering Intern	$29.49	38	$1,120.62	
Clerical	$20.45	0	$0.00	
TOTAL DIRECT LABOR		391	Hours	$20,235.23
6. Overhead (Combined Fringe Benefit & Administrative)			175%	$35,411.65
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$55,646.88
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$5,564.70

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 LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$0.00
11. REIMBURSABLE COSTS (Limiting Amount)		$61,211.58
SUB-TOTAL REIMBURSABLES		$61,211.58

PART IV - SUMMARY	
TOTAL AMOUNT (LIGHTING)	**$47,704.28**
TOTAL OPTIONAL AMOUNT (STRUCTURES)	**$13,507.30**
TOTAL AMOUNT OF CONTRACT (Reimbursable Costs) (Items 5, 6, 8, 9, 10 and 11)	**$0.00**

EXHIBIT B

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

PART I - GENERAL	
1. Project Armsdale Road Sidewalk & Roadway Improvements	**2. Proposal Number** COJ P-60-17
3. Name of Consultant Janet O. Whitmill, RLA Inc.	**4. Date of Proposal** 7/5/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 50.00	172	$ 8,600.00	
Project Manager	$ -	0	$ 0.00	
Senior Engineer	$ -	0	$ 0.00	
Design Engineer	$ -	0	$ 0.00	
Designer (Non-Reg.)	$ -	0	0.00	
Engineering Intern	$ -	0	$ 0.00	
Drafter/CADD	$ -	0	$ 0.00	
Clerical	$ -	0	$ 0.00	
TOTAL DIRECT LABOR	$50.00	172		$ 8,600.00
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	175 % x Total Direct Labor			$ 15,050.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 23,650.00
8. PROFIT: Labor Related Costs (Item 7)	x	10%		$ 2,365.00

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Original Reproducibles	$ 0.00	
Reproduction	$ 0.00	
Other (Specify)	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
	$	
Other (Specify)	$	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		
11. REIMBURSABLE COSTS (Limiting Amount)		
SUB-TOTAL REIMBURSABLES		$ 26,015.00

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 26,015.00**

~~Sheet 1~~

Exhibit 'B'

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

PART I - GENERAL	
1. Project Armsdale Road Sidewalk & Roadway Improvements	**2. Proposal Number** COJ P-60-17
3. Name of Consultant Environmental Resource Solutions, Inc.	**4. Date of Proposal** 7/5/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal / Proj Mgr.	$ 62.66	14	$ 877.24	
Sr. Env. Scientist I	$ 52.00	28	$ 1,456.00	
Env. Scientist I	$ 42.43	0	$ 0.00	
Env. Scientist II	$ 39.00	42	$ 1,638.00	
Env. Scientist III	$ 33.65	0	0.00	
Sr. Env. Specialist	$ 31.63	28	$ 885.64	
GIS Specialist	$ 28.61	14	$ 400.54	
Env. Technician I	$ 22.88	0	0.00	
Env. Technician II	$ 16.35	14	$ 228.90	
TOTAL DIRECT LABOR	$39.19	140		$ 5,486.32
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 175 % x Total Direct Labor				$ 9,601.06
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 15,087.38
8. PROFIT: Labor Related Costs (Item 7) x 10%				$ 1,508.74

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Original Reproducibles	$ 0.00	
Reproduction	$ 0.00	
Other (Specify)	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
	$	
Other (Specify)	$	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		
11. REIMBURSABLE COSTS (Limiting Amount)		
SUB-TOTAL REIMBURSABLES		$ 16,596.12

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 16,596.12**

~~Sheet~~ 1

Exhibit 'B'

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

PART I - GENERAL	
1. Project Armsdale Road Sidewalk & Roadway Improvements	**2. Proposal Number** COJ P-60-17
3. Name of Consultant ECS Florida, LLC	**4. Date of Proposal** 7/5/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ -	0	$ 0.00	
Project Manager	$ -	0	$ 0.00	
Senior Engineer	$ 47.00	3.75	$ 176.25	
Design Engineer	$ 36.73	10	$ 367.30	
Designer (Non-Reg.)	$ 20.21	4	80.84	
Engineering Intern	$ 28.20	1	$ 28.20	
Drafter/CADD	$ 28.13	3.25	$ 91.42	
Clerical	$ 17.50	1	$ 17.50	
TOTAL DIRECT LABOR	$33.11	23		$ 761.51
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	175 % x Total Direct Labor			$ 1,332.65
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 2,094.16
8. PROFIT: Labor Related Costs (Item 7)	x	10%		$ 209.42

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Drill Crew Moblization (Hand Augers)	$ 175.00	
Truck Drilling Rig Moblization (Optional Services)	$ 450.00	
Hand Auger Borings (20 borings at 6ft)	$ 1,200.00	
Drill Rig Auger Boring (1 boring at 25ft, pond)	$ 225.00	
Drill Rig SPT Borings (2 borings at 30ft, signals)	$ 690.00	
MOT during Drilling	$ 480.00	
Moisture Content Tests	$ 90.00	
Percent Fines Content Tests	$ 350.00	
Atterberg Limits Tests	$ 100.00	
Percent Organics Content Tests	$ 60.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 3,820.00
10. SUBCONTRACTS (Lump Sum)		
	$	
Other (Specify)	$	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		
11. REIMBURSABLE COSTS (Limiting Amount)		
SUB-TOTAL REIMBURSABLES		$ 6,123.58

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 6,123.58**

Exhibit 'B'

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

PART I - GENERAL	
1. Project Armsdale Road Sidewalk & Roadway Improvements	**2. Proposal Number** COJ P-60-17
3. Name of Consultant Robert M. Angus & Associates	**4. Date of Proposal** 7/5/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Sr. PSM	$ 64.91	14	$ 908.74	
Project PSM	$ 56.74	28	$ 1,588.72	
Field Supervisor	N/A	0	$ 0.00	
Field Crew (3-Man)	$ 54.35	232	$ 12,609.20	
Field Crew (4-Man)	$ 66.35	0	0.00	
Survey Technician	$ 37.00	49	$ 1,813.00	
CADD Operator	$ 27.45	44	$ 1,207.80	
Clerical	$ 28.25	4	$ 113.00	
TOTAL DIRECT LABOR	$49.17	371		$ 18,240.46
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 154.5 % x Total Direct Labor				$ 28,181.51
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 46,421.97
8. PROFIT: Labor Related Costs (Item 7) x 10%				$ 4,642.20

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$	
Original Reproducibles	$	
Reproduction	$	
Other (Specify)	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
	$	
Other (Specify)	$	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ -
11. REIMBURSABLE COSTS (Limiting Amount)		
SUB-TOTAL REIMBURSABLES		$ 51,064.17

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 51,064.17**

Exhibit 'B'

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

PART I - GENERAL	
1. Project Armsdale Road Sidewalk & Roadway Improvements	**2. Proposal Number** COJ P-60-17
3. Name of Consultant DRMP, Inc.	**4. Date of Proposal** 7/5/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Senior (PSM)	$ 60.58		$ 0.00	
Project (PSM)	$ 48.08	4	$ 192.32	
Survey Tech	$ 36.06	10	$ 360.60	
Secretary/Clerical	$ 22.54	1	$ 22.54	
	$ -		0.00	
3-man Survey Crew	$ 55.34		$ 0.00	
2-man Designate SUE Crew	$ 50.91	110	$ 5,600.10	
3-man Vacuum SUE Crew	$ 74.55	34	$ 2,534.70	
TOTAL DIRECT LABOR	$54.78	159		$ 8,710.26
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	150 % x Total Direct Labor			$ 13,065.39
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 21,775.65
8. PROFIT: Labor Related Costs (Item 7)	x	10%		$ 2,177.57

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Transportation & Shipping	$ 0.00	
Original Reproducibles	$ 0.00	
Reproduction	$ 0.00	
Other (Specify)	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ -
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
	$	
Other (Specify)	$	
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		
11. REIMBURSABLE COSTS (Limiting Amount)		$ 23,953.22
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 23,953.22**

Exhibit 'B'

EBO FORM 1
SCHEDULE OF SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Name of Proposer: **Peters and Yaffee, Inc.**

Project Title: **Armsdale Road Sidewalk and Roadway Improvements**

Proposal Number: **P-60-17** Total Base Proposal Amount (if applicable): **$442,083.86**

***Please list all JSEBs first**

Full Company Name	JSEB Category (African-American, Women, Asian, Native American, Non-MBE or Hispanic)	Type of Work to be Performed	Total Contract Value or Percentage
Peters and Yaffee, Inc.	African-American	Engineering Design Services	**$249,853.81**
Janet. O Whitmill, R.L.A., Inc.	Woman	Landscape Architecture	**$26,015.00**
Environmental Resource Solutions, Inc.	Woman	Environmental Services	**$16,596.12**

Attach additional list of subcontractors/sub-consultants as needed

CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES	
African-American Participation Total	**$249,853.81**
Hispanic-American Participation Total	
Native-American Participation Total	
Asian-American Participation Total	
Woman Participation Total	**$42,611.12**
Non-MBE Participation Total	**$149,618.93**

The undersigned will enter into a formal Agreement with the JSEB Suppliers/Consultants/Subcontractors identified herein for work listed in this schedule conditioned upon execution of a contract with the City of Jacksonville. Under penalties of perjury I declare that I have read the foregoing conditions and instructions and the facts are true to the best of my knowledge and beliefs.

Signature of Proposer: Russell Yaffee Title: VICE PRESIDENT Date: July 26, 2018

Print Name: RUSSELL YAFFEE