# City of Jacksonville, Florida

*Lenny Curry, Mayor*

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
www.coj.net

ONE CITY. ONE JACKSONVILLE.

July 9, 2019

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

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

FROM: Robin G. Smith, P.E.
Chief, Engineering & Construction Management

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

07/11/19 11:23:29
Procurement Division

SUBJECT: P-60-17 Professional Design Services for Armsdale Road Sidewalk and Roadway Improvements Amendment 1
JECP32TTID-06505-PW0825-01

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Scope modifications have resulted in the removal of the new sidewalk design on Duval Road. With the removal of Duval Road sidewalk the overall design costs will be reduced. Additionally, services are needed to provide analysis and final design of 2 additional cross drain culverts, traffic studies to help determine if a reduction to the posted speed is warranted and design survey for location of the jurisdictional wetlands. Negotiations have resulted in the attached Scope of Services, Exhibit C and Contract Fee Schedule, Exhibit D. 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 Contract 10479, originally executed October 4, 2018, between the City and Peters and Yaffee, Inc. for Professional Design Services for Armsdale Road Sidewalk and Roadway Improvements be amended to incorporate the attached Scope of Services, Exhibit C and Fee Schedule, Exhibit D, to decrease the lump sum amount for Design Services by $13,884.23 to a new lump sum amount of $235,969.58, to increase the not to exceed limit for Survey by $4,516.29 to a new limit of $55,580.46 and to decrease the limits for Lighting & Structures Design by $13,356.53 to a new limit of $47,855.05 and for Landscape Design by $5,515.00 to a new limit of $20,500.00, thereby decreasing the maximum indebtedness by $28,239.47 to a new maximum of $406,578.01. All other terms and conditions are as provided in the RFP and the City's standard contract language.

RGS/lw

Attachment: Exhibits C & D
JSEB Participation

cc: David D. Hahn, P.E., Project Manager, Engineering & Construction Management
Lori West, PW Contract Specialist, Engineering & Construction Management

ab

# SCOPE OF SERVICES
# SUPPLEMENTAL AGREEMENT NO. 1
# June 6, 2019

# PROFESSIONAL DESIGN SERVICES FOR ARMSDALE ROAD SIDEWALK AND ROADWAY IMPROVEMENTS CONTRACT NO. 10479 CITY OF JACKSONVILLE, FLORIDA

## A. BACKGROUND

The Consultant (Peters and Yaffee, Inc.) was originally retained by the City of Jacksonville (COJ) under Contract No. 10479 for the Engineering Design Phase for Armsdale Road Sidewalk and Roadway Improvements. The Notice to Proceed was dated October 9, 2018.

## B. PURPOSE

The purpose of this Scope of Services is to provide authorization for supplemental services to the above described Contract as well as to reduce the overall design costs due to the removal of the Duval Road Improvements from the project. The removal of the Duval Road Improvements results in an overall decrease in the design costs for the project..

## C. SUPPLEMENTAL SERVICES TO BE PERFORMED

The services under this agreement are intended to provide supplemental services in addition to the services included in the original Scope of Services dated July 5, 2018. The supplemental services are:

1. Drainage Analysis and Plans

   The Consultant will provide services necessary for the analysis and final design of two additional cross drain culverts. The consultant's drainage analysis includes the following provisions:

   a. Design of two (2) additional upland cross drain culverts to replace the existing cross drain culverts. The existing cross drain culverts are at the end of their life expectancy.

   b. All additional hydrologic and hydraulic drainage computations for the final design of these two additional cross drain culverts will be added to the Signed and Sealed Drainage Report referenced in the original 'Scope of Services' document dated July 5, 2018.

2. Traffic Studies

   a. Two speed studies will be conducted on Armsdale Road between Duval Road and the 90° curve as well as at the mid-block pedestrian crossing location.

These two studies will help us determine if a reduction to the posted speed on Armsdale Road is warranted. A report will be prepared and submitted detailing the results, conclusions and recommendations.

3. Design Survey

Design Survey requirements for this project include:

a. Survey and field location of the jurisdictional wetlands.

b. Preparation of DTM and topographic survey from the easterly edge of pavement to five feet beyond the easterly right of way line for approximately 570 LF on Armsdale Road (existing topographic survey limits to Dunn Avenue).

c. Preparation of DTM and topographic survey of four proposed cross drain locations and confirmation of drainage connections to the existing curb inlet located at Station 123+60.

d. Preparation of topographic survey at the northwest quadrant of the Armsdale Road/Nettlebrook Street intersection extending from existing survey information to ten feet west of the existing right of way line.

## D. CONSULTANT RESPONSIBILITIES

All services and requirements as outlined in the original Contract No. 10479, including any Supplemental Amendments, shall remain in full force and effect.

## E. CITY OF JACKSONVILLE'S RESPONSIBILITIES

The COJ's responsibilities shall remain the same as in the original Contract No. 10479, including any Supplemental Amendments.

## F. NOTICE TO PROCEED

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

EXHIBIT D

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

| PART I - GENERAL | |
|---|---|
| **1. Project**<br>Armsdale Road Sidewalk & Roadway Improvements | **2. Proposal Number**<br>COJ P-60-17 |
| **3. Name of Consultant**<br>Peters and Yaffee, Inc. | **4. Date of Proposal**<br>6/6/2019 |

| PART II - LABOR RELATED COSTS | | | | |
|---|---|---|---|---|
| **5. Direct Labor** | Hourly Rate | Estimated Hours | Estimated Cost | TOTAL |
| Principal | $ 76.57 | (2) | $ (153.14) | |
| Project Manager | $ 69.62 | (3) | $ (208.86) | |
| Senior Engineer | $ 65.30 | (1) | $ (65.30) | |
| Design Engineer | $ 42.40 | (59) | $ (2,501.60) | |
| Designer (Non-Reg.) | $ 26.20 | (20) | (524.00) | |
| Engineering Intern | $ 30.13 | (25) | $ (753.25) | |
| Drafter/CADD | $ 23.98 | (16) | $ (383.68) | |
| Clerical | $ 23.21 | 0 | $ 0.00 | |
| **TOTAL DIRECT LABOR** | $36.43 | (126) | | $ (4,589.83) |
| **6. Overhead (Combined Fringe Benefit & Administrative)**<br>Overhead Rate 175 % x Total Direct Labor | | | | $ (8,032.20) |
| **7. SUBTOTAL: Labor + Overhead (Items 5 & 6)** | | | | $ (12,622.03) |
| **8. PROFIT: Labor Related Costs (Item 7)** x 10% | | | | $ (1,262.20) |

| 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) | | $ (13,884.23) |
| **11. REIMBURSABLE COSTS (Limiting Amount)** | | |
| Lighting & Structures Design (STV) | $ (13,356.53) | |
| Landscape Design (Janet Whitmill) | $ (5,515.00) | |
| Environmental Services (ERS) | $ 0.00 | |
| Geotechnical Investigations (ECS Limited) | $ 0.00 | |
| Design Survey (Robert M. Angus) | $ 4,516.29 | |
| Subsurface Utility Engineering (DRMP) | $ 0.00 | |
| SUB-TOTAL REIMBURSABLES | | $ (14,355.24) |

| PART IV - SUMMARY | | |
|---|---|---|
| TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11) | $ | **(28,239.47)** |
| 13. ORIGINAL OR CURRENT CONTRACT AMOUNT | $ | **434,817.48** |
| 14. AMENDED CONTRACT AMOUNT | $ | **406,578.01** |

**STV Backup Information**

| Line Item No. | Project Manager | | Chief Engineer | | Senior Engineer | | Design Engineer | | CADD Operator | | Engineering Intern | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount |
| Structures - Misc. Tasks, Dwgs, Non-Tech | 2 | -2 | 6 | -6 | 9 | -9 | 8 | -8 | 3 | -3 | 3 | -3 |
| Structures - Miscellaneous | 3 | -3 | 11 | -11 | 16 | -16 | 14 | -14 | 5 | -5 | 5 | -5 |
| Lighting Analysis | 10 | 0 | 38 | 5 | 58 | 6 | 49 | 4 | 20 | 1 | 20 | 1 |
| Lighting Plans | 5 | 0 | 19 | -1 | 29 | -2 | 38 | -16 | 10 | -1 | 10 | -1 |
| Totals: | 20 | -5 | 74 | -13 | 112 | -21 | 109 | -34 | 38 | -8 | 38 | -8 |

VISION • EXPERIENCE • RESULTS

www.etminc.com
tel 904-642-8550 • fax 904-642-4165
14775 Old St. Augustine Road • Jacksonville, Florida 32258

Revised May 13, 2019
May 3, 2019

Mr. Mike Molkenbur, P.E.
Peters and Yaffee, Inc.
9822 Tapestry Park Circle, Suite 205
Jacksonville, FL. 32246
Tel: (904) 647-2328
Cell: (904) 612-5244
Email: mmolkenbur@petersandyaffee.com

Reference: ***Armsdale Rd. Wetlands & Addnl. Design Survey~ Surveying Services***

Dear Mr. Molkenbur,

Pursuant to your request, ETM Surveying & Mapping, Inc., is pleased to submit a fee proposal for surveying services for the location of wetlands and additional design survey for the Armsdale Road project in Duval County, Florida. Our proposed scope of services and fee schedule are as follows:

**Jurisdictional Wetlands Survey and Additional Design Survey**

Survey and field locate the jurisdictional wetlands as flagged on the ground by the client's environmental consultant for the above referenced project. A digital file of the surveyed lines will be available for consultant/agency review for permitting approval. Any re-surveying of revised lines or additional wetlands will be considered additional services billed at our contract hourly rates. Only those flagged wetlands that impact the proposed sidewalk design will be located. (specifically, W1, W13, W14, W16, W17, and W18).

Prepare a 3D DTM and Topographic survey from the easterly existing edge of pavement to 5 feet beyond the easterly existing right of way line for approximately 570 LF on Armsdale Road from the existing topo survey limits to Dunn Avenue. Locate all topography including (buildings, mail boxes, 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.) within the limits of the survey as outlined above. DTM survey of 4 proposed cross drain locations and confirm drainage connections to an existing curb inlet at sta. 123+60. Additional design survey at the NW quadrant of Armsdale Road and Nettlebrook Street to extend from existing survey to the RW plus 10 feet at said NW quadrant.

*Reference: **Armsdale Rd. Wetlands & Addnl. Design Survey ~ Surveying Services***

***Maximum Limiting Fee Based on Contract Rates .....$5,606.84***
***See Attached Exhibit A for Itemized Hours***

***Unused Fee Approved for Design Survey.....$1,090.55***

***Additional Maximum Limiting Fee Requested.....$4,516.29***

***Items Not Included***

| | |
|---|---|
| Excavation of Underground Facilities | Construction Layout |
| As-Built Survey | Tree Survey |
| Plat Preparation | Sketch and Legal Description |
| County Plat Review | Mean High Water Line Survey |
| Plat Processing for Recordation | Document Processing for Recordation |

Cost such as additional printing and delivery services will be invoiced at direct cost plus 15%. Fees outlined hereon are valid for a period of 90 days from the above referenced date.

Please indicate your agreement with this proposal and the attached General Conditions by signing in the space provided and return one copy to our office.

If you should have any questions or need additional information, please call. Thank you for this opportunity to be of professional service.

Sincerely,

***ETM Surveying & Mapping, INC.***

Scott A. Graham, P.S.M.
Vice President

Accepted this _____day

of _____,2019.

By: _____
Signature

_____
Print Name and Title

_____
Company

Attachments: General Conditions

# 27. Survey

Estimator: Scott A. Graham, PSM

Armsdale Road Sidewalk Improvement Project
P-60-17

| Representing | Print Name | Signature / Date |
|---|---|---|
| FDOT District | | |
| Scott A. Graham, PSM | Robert M. Angas Associates, 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) | | | | | | | | | |
| | 2-Lane Roadway | Mile | 0.25 | 1.00 | 0.25 | 1.25 | 0.31 | 3.00 | 0.75 | Establish secondary horizontal control points on the NAD 83/2011 Datum. 3 secondary points anticipated (on Armsdale Road). |
| | Multi-lane Roadway | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| | Interstate | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| 27.2 | Vertical PC / Bench Line | | | | | | | | | |
| | 2-Lane Roadway | Mile | 0.25 | 1.00 | 0.25 | 1.25 | 0.31 | 3.00 | 0.75 | Establish secondary vertical control points on the NAVD 88 Datum. 3 additional points anticipated. |
| | 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 | | | | | | | | | |
| | | Mile | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27.4 | Aerial Targets | | | Units/Day | | | | | | |
| | 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 | | | | | | |
| | 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 | |
| | | | | | | | | | | |
| | Reference Points | "B" | | Units/Day | | | | | | |
| | Non Alignment Points/Approximate | 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27.6 | Topography/DTM (3D) | | | | | | | | | Prepare a 3D DTM and Topographic survey from the easterly existing edge of pavement to 5 feet beyond the easterly existing right of way line for approximately 570 LF on Armsdale Road from the existing topo survey limits to Dunn Avenue. Locate all topography including (buildings, mail boxes, 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.) within the limits of the survey as outlined above. DTM surveuy of 4 proposed cross drain locations and confirm drainage connections to an existing curb inlet at sta. 123+60. Additional design survey at the NW quadrant of Armsdale Road and Nettlebrook Street to extend from existing survey to the RW plus 10 feet at said NW quadrant. |
| | | Mile | 0.20 | 6.25 | 1.25 | 1.25 | 1.56 | 3.00 | 3.75 | |
| 27.7 | Planimetric (2D) | | | | | | | | | |
| | | Mile | 0.00 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27.8 | Roadway Cross-Sections/Profiles | | | | | | | | | |
| | | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| 27.9 | Side Street Surveys | | | | | | | | | |
| | | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| 27.10 | Underground Utilities | | | | | | | | | |
| | Designates | Mile/Site | | | 0.00 | | 0.00 | | 0.00 | |
| | Locates | Point | | | 0.00 | | 0.00 | | 0.00 | |
| | Survey | | 40% | | 0.00 | | 0.00 | | 0.00 | |
| | | | | | | | | | | |
| 27.11 | Outfall Survey | | | | | | | | | |
| | | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| 27.12 | Drainage Survey | | | Units/Day | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| 27.13 | Bridge Survey | | | | | | | | | |
| | Minor / Major | EA | | | 0.00 | | 0.00 | | 0.00 | |
| | | | | | | | | | | |
| 27.14 | Channel Survey | | | | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| 27.15 | Pond Site Survey | | | | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| 27.16 | Mitigation Survey | | | | | | | | | |
| | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 27.17 | Jurisdiction Line Survey | | | | | | | | | Survey and locate the jurisdictional wetlands as flagged on the ground by the clients environmental consultant. A digital file of the surveyed lines will be available for consultant/agency review for premitting approval. Any re-surveying of revised lines or additional wetlands will be considered additional services billed at our contract rates. Only those flagged wetlands that impact the proposed sidewalk will be located (specifically W1, W13, W14, W16, W17, and W18). |
| | | Mile | 1.00 | 1.00 | 1.00 | 2.00 | 2.00 | 4.00 | 4.00 | |
| 27.18 | Geotechnical Support | | | Units/Day | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| 27.19 | Sectional / Grant Survey | | | | | | | | | |
| | | Corner | | | 0.00 | | 0.00 | | 0.00 | |
| | | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| 27.20 | Subdivision Location | | | | | | | | | |
| | | Block | | | 0.00 | | 0.00 | | 0.00 | |
| 27.21 | Maintained R/W | | | | | | | | | |
| | | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| 27.22 | Boundary Survey | | | | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| 27.23 | Water Boundary Survey | | | | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| 27.24 | R/W Staking / R/W Line | | | | | | | | | |
| | | EA | | | 0.00 | | 0.00 | | 0.00 | |
| | | Mile | | | 0.00 | | 0.00 | | 0.00 | |
| | | | | | | | | | | |
| 27.25 | R/W Monumentation | | | | | | | | | |
| | | Point | | | 0.00 | | 0.00 | | 0.00 | |
| 27.26 | Line Cutting | | | | | | | | | |
| | | Mile | | | 0.00 | | | | | |
| 27.27 | Work Zone Safety | | | | | | | | | |
| | | | 3 | 0.125 | 0.34 | | | | | |
| 27.28 | Miscellaneous Surveys | | | | | | | | | |
| | | | | | 0.00 | | 0.00 | | 0.00 | |
| | **Survey Subtotal** | | | **Crew Days** | **3.09** | **Field Support Hours** | **4** | **Office Support Hours** | **9** | |
| 27.29 | Supplemental Surveys | | | | | | | | | THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 3.09 | 0 | | 0 | | 0 | SURVEYOR |
| 27.30 | Document Research | Units | | | | | | | | |
| | | 1 | | | | | | | 0 | |
| 27.31 | Field Reviews | Units | | | | | | | | |
| | | 1 | | | | | | | 0 | |
| 27.32 | Technical Meetings | LS | | | | | | | | |
| | | | 0.00 | | | | | | 0 | |
| 27.33 | Quality Assurance / Quality Control | LS | | | | | | | | |
| | | | | | | | | 5% | 1 | |
| 27.34 | Supervision | LS | | | | | | | | |
| | | | | | | | | 5% | 1 | |
| 27.35 | Coordination | LS | | | | | | | | |
| | | | | | | | | 5% | 1 | |
| | | 27. Survey Total | | Crew Days | 3.09 | Field Support Hours | 4 | Office Support Hours | 12 | |

SPLS =

PLS =

Office Support =

Total Hours = 16

| 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 | 0 | 0 | 0 | | 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 | 0 | 0 | 0 | | 0 | |
| **Subtotal Technical Meetings** | | | | 0 | **Subtotal PM Meetings** | 0 | |
| Progress Meetings (if required by FDOT) | EA | 0 | 0 | 0 | ** | -- | |
| Phase Review Meetings | EA | 0 | 0 | 0 | ** | -- | |
| **Total Meetings** | | | | 0 | **Total PM Mtgs (carries to Tab 3)** | **0** | |

Carries to 27.32 Carries to Tab 3

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

# ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Armsdale Road Sidewalk Improvement Project
County: Duval
FPN: P-60-17
FAP No.: NA

Consultant Name: Robert M. Angas Associates, Inc.
Consultant No.:
Date: 5/13/2019
Estimator: Scott A. Graham, PSM

| Staff Classification | Total Staff Hours From "SH Summary Firm" | Project Manager | Professional Surveyor & | Technician | CADD Operator | Clerical | Staff Classification 6 | Staff Classification 7 | Staff Classification 8 | Staff Classification 9 | Staff Classification 10 | Staff Classi- | Staff Classification 12 | SH By Activity | Salary Cost By Activity | Average Rate Per Task |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $181.72 | $158.84 | $103.58 | $76.65 | $79.09 | $0.00 | $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, Compliance & 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 Architecture Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $0 | #DIV/0! |
| 26. Landscape Architecture Plans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $0 | #DIV/0! |
| 27. Survey (Field & Office Support) | 16 | 2 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | $1,846 | $115.36 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $0 | #DIV/0! |
| 36. 3D Modeling | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | $0 | #DIV/0! |
| **Total Staff Hours** | 16 | 2 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | | |
| **Total Staff Cost** | | $363.44 | $476.52 | $621.48 | $384.25 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | | $1,845.69 | $115.36 |

Check = $1,846.69

| | | | | | |
|---|---|---|---|---|---|
| SALARY RELATED COSTS: | | | | | $1,845.69 |
| OVERHEAD: | | 0% | | | $0.00 |
| OPERATING MARGIN: | | 0% | | | $0.00 |
| FCCM (Facilities Capital Cost Money): | | 0.00% | | | $0.00 |
| EXPENSES: | | 0.00% | | | $0.00 |
| SUBTOTAL ESTIMATED FEE: | | | | | **$1,845.69** |
| Survey (Field) | 3.09 | 3-person crew days @ | $ 1,217.20 | / day | $3,761.15 |
| Geotechnical Field and Lab Testing | | | | | $0.00 |
| SUBTOTAL ESTIMATED FEE: | | | | | **$5,606.84** |
| Optional Services | | | | | $0.00 |
| GRAND TOTAL ESTIMATED FEE: | | | | | **$5,606.84** |

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

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

| PART I - GENERAL | |
|---|---|
| **1. Project**<br>Armsdale Road Sidewalk & Roadway Improvements | **2. Proposal Number**<br>COJ P-60-17 |
| **3. Name of Consultant**<br>STV Incorporated | **4. Date of Proposal**<br>6/6/2019 |

| PART II - LABOR RELATED COSTS | | | | |
|---|---|---|---|---|
| **5. Direct Labor** | Hourly Rate | Estimated Hours | Estimated Cost | TOTAL |
| Project Manager | $ 63.87 | (5.00) | $ (319.35) | |
| Principal | $ 98.04 | 0.00 | $ 0.00 | |
| Chief Engineer | $ 78.25 | (13.00) | $ (1,017.25) | |
| Senior Engineer | $ 58.20 | (21.00) | $ (1,222.20) | |
| Design Engineer | $ 41.33 | (34.00) | $ (1,405.22) | |
| Designer | $ 40.66 | 0.00 | $ 0.00 | |
| CADD/Computer Tech | $ 26.93 | (8.00) | $ (215.44) | |
| Engineering Intern | $ 29.49 | (8.00) | $ (235.92) | |
| Clerical | $ 20.45 | 0.00 | $ 0.00 | |
| **TOTAL DIRECT LABOR** | $49.61 | (89.00) | | $ (4,415.38) |
| **6. Overhead (Combined Fringe Benefit & Administrative)** | | | | |
| Overhead Rate | 175 % x Total Direct Labor | | | $ (7,726.92) |
| **7. SUBTOTAL: Labor + Overhead (Items 5 & 6)** | | | | $ (12,142.30) |
| **8. PROFIT: Labor Related Costs (Item 7)** | | x | 10% | $ (1,214.23) |

| 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) | | |
| **11. REIMBURSABLE COSTS (Limiting Amount)** | | $ (13,356.53) |
| SUB-TOTAL REIMBURSABLES | | $ (13,356.53) |

| PART IV - SUMMARY | |
|---|---|
| TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables)<br>(Items 5, 6, 8, 9, 10 and 11) | $ **(13,356.53)** |

EXHIBIT D

Peters and Yaffee Backup Information

| Line Item No. | Principal | | Project Manager | | Senior Engineer | | Design Engineer | | Designer (Non-Reg.) | | Engineering Intern | | Drafter/CADD | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount | Original Contract Hours Amount | SA No. 1 Hours Amount |
| Horizontal/Vertical Master Design Files | | | 17 | 3 | 12 | 3 | 99 | 15 | 37 | 6 | 49 | 6 | 34 | 5 |
| Cross Section Design Files | | | 5 | -1 | 5 | 1 | 40 | 6 | 15 | 2 | 20 | 3 | 14 | 2 |
| Quantities | | | 4 | 1 | 4 | -1 | 32 | 7 | 12 | 3 | 16 | 3 | 11 | 1 |
| | | | | | | | | | | | | | | |
| Summary of Pay Items | | | | | | | 3 | 1 | 1 | -1 | | | | |
| Typical Sections | | | | | | | 10 | 2 | 4 | -1 | 5 | 1 | 2 | -1 |
| Project Layout | | | | | | | 5 | 2 | 2 | 1 | 2 | 1 | | |
| Plan Sheets | | | | | | | 18 | 4 | 7 | 1 | 9 | 2 | 7 | -2 |
| Special Details | | | | | | | 10 | 2 | 4 | 1 | 5 | 1 | | |
| Cross Sections | | | 3 | -1 | 3 | -1 | 25 | 4 | 9 | 2 | 13 | 2 | 9 | 1 |
| Utility Verification Sheet (SUE Data) | | | | | | | 2 | 1 | 1 | 1 | | | | |
| | | | | | | | | | | | | | | |
| Drainage Map Hydrology | | | | | | | 5 | 1 | | | 2 | 1 | 1 | 1 |
| Design of Cross Drains | | | 1 | 1 | 1 | 1 | 5 | 5 | 2 | 2 | 2 | 2 | 1 | 2 |
| Design of Ditches | | | | | | | 13 | 5 | 5 | 1 | 6 | 2 | 5 | 1 |
| Design of Storm Drains | | | 5 | 1 | 5 | 1 | 40 | 7 | 15 | 3 | 19 | 4 | 14 | 2 |
| Drainage Design Documentation | | | | | 2 | 1 | | | | | | | | |
| Existing Permit Analysis | | | | | 0 | -1 | | | | | | | | |
| | | | | | | | | | | | | | | |
| Drainage Map | | | | | | | 10 | 3 | 4 | 1 | 5 | 1 | 3 | 1 |
| Summary of Drainage Structures | | | | | | | 13 | 3 | 5 | 1 | 6 | 1 | 4 | 1 |
| Drainage Structure Sheets | | | | | | | 26 | 2 | 10 | -1 | 13 | 1 | 10 | 1 |
| SWPPP Sheets | | | | | | | 3 | 1 | 1 | 1 | | | | |
| | | | | | | | | | | | | | | |
| Collect and Review Plans and Data from UAOs | | | | | | | 6 | 3 | | | 3 | 2 | | |
| Review Utility Markups & Work Schedules, Process Schedules & Agreements | | | | | | | 6 | -1 | | | 3 | 2 | | |
| Utility Coordination/Followup | | | | | | | 8 | 2 | 3 | 1 | 4 | 1 | 3 | 1 |
| | | | | | | | | | | | | | | |
| Speed Studies (Mid-block and Curve) | | | | 3 | | 6 | | 6 | | 6 | | 6 | | 1 |
| Cost Estimates | | | | | 1 | 1 | | | | | | | | |
| | | | | | | | | | | | | | | |
| QA/QC | 2 | 1 | | | | | | | | | | | | |
| Supervision | 5 | 1 | | | | | | | | | | | | |
| Coordination | | | | | | | | | | | | | | |
| Totals: | 7 | -2 | 30 | -3 | 33 | -1 | 379 | -59 | 137 | -20 | 182 | -22 | 118 | -17 |

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

May 23, 2019

Mike Molkenbur, P.E.
Senior Transportation Engineer
Peters and Yaffee, Inc.
9822 Tapestry Park Circle, Suite 205
Jacksonville, FL 32246

RE: Proposal for Landscape Architectural Design Services for
Armsdale Sidewalk and Retention Ponds Improvements- Jacksonville, Florida

Dear Mike,

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:**

- **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.
- **Tree Assessment:** Inventory Trees within project limits and prepare plan showing location of protected species in conformance with COJ Tree Ordnance.
  A tree assessment shall be performed by a certified arborist on site to determine the health and viability to the specimen trees to be removed.
- **Community Meetings**: Hourly.
- 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: Original Amount $26,015.00 (twenty-six thousand fifteen dollars)
Minus Duval Road effort of $5,515.00 for a total
$20,500.00 (twenty thousand five 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 twenty 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, R.L.A.
Janet O. Whitmill

_____ _____
Signature of Acceptance Date

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

**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): $406,578.01

***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 | $235,969.58 |
| Environmental Resource Solutions, Inc. | Woman | Environmental Services | $16,596.12 |
| Janet O. Whitmill, R.L.A., Inc. | Woman | Landscape Architecture | $20,500.00 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Attach additional list of subcontractors/sub-consultants as needed

| CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES | |
|---|---|
| African-American Participation Total | **$235,969.58** |
| Hispanic-American Participation Total | |
| Native-American Participation Total | |
| Asian-American Participation Total | |
| Woman Participation Total | **$37,096.12** |
| Non-MBE Participation Total | **$140,778.69** |

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: _____ Title: Vice President Date: July 5, 2019