# 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.

April 21, 2020

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

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

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

Robin G. Smith, P.E.
Chief, Engineering and Construction Management

**SUBJECT:** P-47-19 Construction Engineering & Inspection Services for Various Roadway & Bridge Projects Exceeding $2,000,000

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The Engineering Division has negotiated with the consultant selected for Construction Engineering & Inspection Services for Various Roadway & Bridge Projects Exceeding $2,000,000, resulting in the Scope of Services, Exhibit A and Contract Fee Schedule, Exhibit B, attached. This project is designated to be under the Equal Business Opportunity Program with a 20% JSEB Participation Goal.

Accordingly, this is to recommend that the City of Jacksonville enter into a contract with Eisman & Russo, Inc. for Construction Engineering & Inspection Services for Various Roadway & Bridge Projects Exceeding $2,000,000, that includes the attached Scope of Services identified as Exhibit "A" and Fee Schedule identified as Exhibit "B". Each project performed under this agreement shall be authorized by an individual Purchase Order with a not-to-exceed cost applicable thereto. The maximum indebtedness of the City pursuant to this agreement is $4,000,000.00. The initial term of agreement will commence upon execution of the Contract and will continue thru multiple phases of Construction to project completion. All other terms and conditions of the Contract shall be as provided in the Request for Proposals and the Department of Public Works Prototype Agreement for professional services, as applicable.

JPP/lw

Attachment: Exhibits A & B

cc: Lori West, Engineering and Construction Management
Gary Goldsberry, P.E., Engineering and Construction Management

EXHIBIT A

SCOPE OF SERVICES

CONSTRUCTION ENGINEERING AND INSPECTION (CEI) SERVICES FOR VARIOUS

ROADWAY AND BRIDGE PROJECTS EXCEEDING $2 MILLION (ANNUAL CONTRACT)

DESCRIPTION:

Services provided under this contract are for Eisman & Russo, Inc. (Consultant) to provide Construction Engineering and Inspection (CEI) services and other related professional services necessary to oversee the construction (by others) of various City of Jacksonville roadway and bridge improvement projects exceeding $2 million.

Consultant services will include constructability / bidability review of plans, construction inspection, material sampling and testing, survey control and administrative activities involved in completing the construction of a City project.

The Consultant understands that it is the City's intention for the CEI Consultant to provide full construction management and inspection services.

The projects to be managed under this contract and associated project scopes and fees are to be determined on a project by project basis and a notice to proceed will be issued for each Task Order separately. Construction Management and other related Professional Services will start when a Purchase Order is issued and continue through the construction close-out and warranty period of the project. The services described below constitute full CEI support and are not intended to infer the consultant will perform all or any of them. Detailed scopes and fees will, therefore, be negotiated on each project which may or may not include the following services:

- Perform constructability reviews on design work performed by others
- Schedule and conduct pre-construction conferences as necessary
- Issue Notices to Proceed to contractors
- Enforce and perform terms of the construction contracts between the City and its contractors
- Review shop drawings submitted by contractors for conformance to the specifications, and distribute to parties as necessary
- Obtain and answer contractors' inquiries and RFI's in a timely manner
- Provide qualified construction inspectors to inspect the work to ensure that construction is proceeding in accordance with the specifications, and that work is constructed properly
- Direct the contractor on removal and replacement of defective work which does not meet specifications, or is otherwise incorrectly constructed
- Review and analyze contract change order requests and proposals to determine validity thereof, and recommend appropriate action to the City
- Review claims and disputes and recommend necessary actions
- Review and recommend for approval contract change orders and forward necessary documentation and paperwork to the City as to the necessity for such changes, including substantiation of the extra costs thereof
- Arrange for construction materials testing by third party testing laboratories and review test reports to ensure that materials installed meet the requirements of the contract documents
- Review construction inspection reports relating to the contractors' performance and communicate with each, if necessary, regarding non-conformance to plan specifications, workmanship, etc.

- Review contractors' requests for monthly progress payments and, if appropriate, certify pay application is proper and transmit to City with recommendation that the invoice be paid
- Review contractors' pay requests for compliance with minority business enterprise participation requirements
- Review contractors' proposals for additional work or change orders for compliance with minority business enterprise participation requirements
- Adjust requests for monthly progress payments, as necessary, to align amount of pay requested with actual progress of construction satisfactorily performed
- In the event of the need to revise the contract drawings during the construction period, coordinate with the City and the Design Consultant to obtain the revised originals from the design consultant, review the changes and corrections on behalf of the City, and coordinate the issuance of new prints for the revised drawings to the parties concerned
- Prepare and maintain monthly progress schedules and reports applicable to all phases of the construction operations, and such special reports as may be required to keep the City fully advised with respect to the progress of construction of the projects
- Monitor contractors' preparation of in-progress as-built drawings during the course of construction to ensure that final as-built drawings on mylar will be easily produced
- Collect final as-built drawings electronically and on mylar for each project, review for conformance with the contract documents and specifications, and recommend approval / disapproval to the City
- If final as-builts are recommended for disapproval, monitor contractors' preparation of revised final as-built drawings.
- Prepare a final engineering report on the construction status of each project
- Recommend in writing, that the City make final payment on a project when appropriate
- Collect documents and deliverables, including release of liens and consent of surety, from the contractors prior to recommending that final payments be made
- Continue acting as the City's representative throughout the post-construction phase of the projects, which generally cover the contractors' one-year warranty periods
- Deliver final documents, including originals of construction drawings and specifications, approved mylar as-built drawings, a DVD with as-built drawings in Autocad or .pdf formal, two sets of blue line prints and the project files to the City
- Prepare and deliver final project financial accounting reports to the City
- Evaluate and rate the contractor's performance
- Direct the contractor to replace or correct of defective work which becomes known during the warranty period
- Provide monthly status reports to the City concerning warranty activities and corrective work by the contractors
- Enforce all warranty provisions of the contract documents
- Schedule and conduct an eleven (11) month warranty inspection of projects including the contractors, design consultants and City personnel as appropriate
- Develop eleven-month warranty punchlist and forward to the contractor for corrective action
- Monitor contractor's performance on addressing the punchlist
- Advise the City, in writing, when contractors have satisfactorily completed their obligations under the warranty periods of the contracts
- Provide any other construction engineering and inspections services as may be necessary to implement the project
- Provide onsite construction testing services with properly trained / certified staff and/or subconsultants.

# Exhibit B

## CONTRACT FEE SUMMARY FORMAT FOR CITY OF JACKSONVILLE

| PART I - GENERAL | |
|---|---|
| **1. Project -** Construction Engineering & Inspection for Various Roadway & Bridge Projects Exceeding $2 Million | **2. Proposal / Contract Number** RFP #P-47-19 |
| **3. Name of Consultant** Eisman & Russo, Inc. | **4. Date of Proposal** 9/25/2019 |

| PART II - LABOR RELATED COSTS | | | | |
|---|---|---|---|---|
| **5. Direct Labor** | Hourly Rate | Estimated Hours | Estimated Cost | TOTAL |
| Principal | $ 72.00 | | $ - | |
| Sr. Project Engineer | $ 66.00 | | $ - | |
| Project Administrator | $ 47.00 | | $ - | |
| Contract Support Specialist | $ 33.00 | | $ - | |
| Senior Bridge Inspector | $ 31.00 | | $ - | |
| Bridge Inspector | $ 25.00 | | $ - | |
| Admin | $ 21.00 | | $ - | |
| **TOTAL DIRECT LABOR** | | 0 | | $ - |
| **6. Overhead (Combined Fringe Benefit & Administrative)** | | | | |
| Overhead Rate | 160 % x Total Direct Labor | | | $ - |
| **7. SUBTOTAL: Labor + Overhead (Items 5 & 6)** | | | | $ - |
| **8. PROFIT: Labor Related Costs (Item 7)** | x | 10% | | $ - |

| PART III - OTHER COSTS | | | |
|---|---|---|---|
| **9. Miscellaneous Direct Costs** | | | |
| Transportation | $ | | |
| Phone/Communications | $ | | |
| Computer Equipment | $ | | |
| MISCELLANEOUS DIRECT COSTS SUB-TOTAL | | | $ - |
| TOTAL LUMP SUM AMOUNT (Items 5, 6, 8 and 9) | | | $ - |
| **10. REIMBURSABLE COSTS (Limiting Amount)** | | | |
| CSI-Geo, Inc | $ | 0.00 | |
| GRL Engineers, Inc. | $ | 0.00 | |
| R.E. Holland & Associates, Inc | $ | 0.00 | |
| Bolt Underwater Services, Inc | $ | 0.00 | |
| KTA-Tator, Inc. | $ | 0.00 | |
| Geogrametrix, Inc. | $ | 0.00 | |
| SUB-TOTAL REIMBURSABLES | | | 0.00 |

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

FDOT

*Florida Department of Transportation*

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT, P.E.
SECRETARY

June 21, 2019

Antonio Mahfoud, President/CEO
EISMAN & RUSSO, INC.
6455 Powers Avenue
Jacksonville, Florida 32217

Dear Mr. Mahfoud:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 3 - Highway Design - Roadway

3.1 - Minor Highway Design
3.2 - Major Highway Design
3.3 - Controlled Access Highway Design

Group 6 - Traffic Engineering and Operations Studies

6.1 - Traffic Engineering Studies

Group 7 - Traffic Operations Design

7.1 - Signing, Pavement Marking and Channelization
7.3 - Signalization

Group 10 - Construction Engineering Inspection

10.1 - Roadway Construction Engineering Inspection
10.4 - Minor Bridge & Miscellaneous Structures CEI
10.5.1 - Major Bridge CEI - Concrete
10.5.2 - Major Bridge CEI - Steel
10.5.3 - Major Bridge CEI - Segmental

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

Approved Rates

| Home/ Branch Overhead | Field Overhead | Facilities Capital Cost of Money | Premium Overtime | Reimburse Actual Expenses | Home Direct Expense | Field Direct Expense |
|---|---|---|---|---|---|---|
| 170.73% | 118.71% | 0.373% | Reimbursed | No | 1.10% | 17.45%* |

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

# Exhibit B

## CONTRACT FEE SUMMARY FORMAT FOR CITY OF JACKSONVILLE

| PART I - GENERAL | |
|---|---|
| **1. Project -** Construction Engineering & Inspection for Various Roadway & Bridge Projects Exceeding $2 Million | **2. Proposal / Contract Number** RFP #P-47-19 |
| **3. Name of Consultant** VIA Consulting, Inc.<br><br>**Subconsultant** | **4. Date of Proposal** 9/25/2019 |

| PART II - LABOR RELATED COSTS | | | | |
|---|---|---|---|---|
| **5. Direct Labor** | Hourly Rate | Estimated Hours | Estimated Cost | TOTAL |
| Principal | $ 72.00 | | $ - | |
| Sr. Project Engineer | $ 66.00 | | $ - | |
| Project Administrator | $ 47.00 | | $ - | |
| Contract Support Specialist | $ 33.00 | | $ - | |
| Senior Bridge Inspector | $ 31.00 | | $ - | |
| Bridge Inspector | $ 25.00 | | $ - | |
| Admin | $ 21.00 | | $ - | |
| **TOTAL DIRECT LABOR** | | 0 | | $ - |
| **6. Overhead (Combined Fringe Benefit & Administrative)** | | | | |
| Overhead Rate | 150 % x Total Direct Labor | | | $ - |
| **7. SUBTOTAL: Labor + Overhead (Items 5 & 6)** | | | | $ - |
| **8. PROFIT: Labor Related Costs (Item 7)** | x | 10% | | $ - |

| PART III - OTHER COSTS | | | |
|---|---|---|---|
| **9. Miscellaneous Direct Costs** | | | |
| Transportation | $ | | |
| Phone/Communications | $ | | |
| Computer Equipment | $ | | |
| MISCELLANEOUS DIRECT COSTS SUB-TOTAL | | | $ - |
| TOTAL LUMP SUM AMOUNT (Items 5, 6, 8 and 9) | | | $ - |
| **10. REIMBURSABLE COSTS (Limiting Amount)** | | | |
| CSI-Geo, Inc | $ | 0.00 | |
| GRL Engineers, Inc. | $ | 0.00 | |
| R.E. Holland & Associates, Inc | $ | 0.00 | |
| Bolt Underwater Services, Inc | $ | 0.00 | |
| KTA-Tator, Inc. | $ | 0.00 | |
| Geogrametrix, Inc. | $ | 0.00 | |
| SUB-TOTAL REIMBURSABLES | | | 0.00 |

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

# Exhibit B

## CONTRACT FEE SUMMARY FORMAT FOR CITY OF JACKSONVILLE

| PART I - GENERAL | |
|---|---|
| **1. Project -** Construction Engineering & Inspection for Various Roadway & Bridge Projects Exceeding $2 Million | **2. Proposal / Contract Number** RFP #P-47-19 |
| **3. Name of Consultant** AE Engineering, Inc. | **4. Date of Proposal** 9/25/2019 |
| **Subconsultant** | |

| PART II - LABOR RELATED COSTS | | | | |
|---|---|---|---|---|
| **5. Direct Labor** | Hourly Rate | Estimated Hours | Estimated Cost | TOTAL |
| Principal | $ 72.00 | | $ - | |
| Sr. Project Engineer | $ 66.00 | | $ - | |
| Project Administrator | $ 47.00 | | $ - | |
| Contract Support Specialist | $ 33.00 | | $ - | |
| Senior Bridge Inspector | $ 31.00 | | $ - | |
| Bridge Inspector | $ 25.00 | | $ - | |
| Admin | $ 21.00 | | $ - | |
| **TOTAL DIRECT LABOR** | | 0 | | $ - |
| **6. Overhead (Combined Fringe Benefit & Administrative)** | | | | |
| Overhead Rate | 150 % x Total Direct Labor | | | $ - |
| **7. SUBTOTAL: Labor + Overhead (Items 5 & 6)** | | | | $ - |
| **8. PROFIT: Labor Related Costs (Item 7)** | x | 10% | | $ - |

| PART III - OTHER COSTS | | | |
|---|---|---|---|
| **9. Miscellaneous Direct Costs** | | | |
| Transportation | $ | | |
| Phone/Communications | $ | | |
| Computer Equipment | $ | | |
| MISCELLANEOUS DIRECT COSTS SUB-TOTAL | | | $ - |
| TOTAL LUMP SUM AMOUNT (Items 5, 6, 8 and 9) | | | $ - |
| **10. REIMBURSABLE COSTS (Limiting Amount)** | | | |
| CSI-Geo, Inc | $ | 0.00 | |
| GRL Engineers, Inc. | $ | 0.00 | |
| R.E. Holland & Associates, Inc | $ | 0.00 | |
| Bolt Underwater Services, Inc | $ | 0.00 | |
| KTA-Tator, Inc. | $ | 0.00 | |
| Geogrametrix, Inc. | $ | 0.00 | |
| SUB-TOTAL REIMBURSABLES | | | 0.00 |

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

## FOR INFORMATION ONLY - DO NOT SUBMIT WITH YOUR PROPOSAL

### Form 1 - SCHEDULE OF PROPOSED PRICES/RATES

NAME OF CONSULTANT KTA-Tator, Inc.

Proposal Number P-47-19

1. Average hourly direct labor rates (without Fringe Benefits)

| | |
|---|---|
| Project Manager (Responsible Professional) | $_____hr. |
| Design Engineer or Architect (Registered) | $_____hr. |
| Designer or Technician (Non-Registered) | $_____hr. |
| Drafter or CADD Operator | $_____hr. |
| Field Inspector (Richard L. Hatch) | $ 32.20 hr. |
| Clerical (Typist, Word Processor, Document Assembly, etc.) | $_____hr. |

2. Total Overhead Rate (to be applied to Direct Labor:) 166.304 %

3. Profit Rate (to be applied to Direct Labor plus Overhead) 10 %

4. Cost of 4-man survey crew per 8 hour day (If applicable) $_____hr.

5. Other Direct Project Costs per Unit (please specify)

N/A

6. Estimated percentage of total fee to be performed by subconsultants N/A %

7. Please provide any other relevant rates that may apply to this project including average direct hourly labor rates for other categories of proposed personnel

N/A

FDOT

*Florida Department of Transportation*

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT, P.E.
SECRETARY

June 22, 2019

Patricia Corbett, Proposal Administrator
KTA-TATOR, INC.
115 Technology Drive
Pittsburgh, Pennsylvania 15275

Dear Ms. Corbett:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 10 - Construction Engineering Inspection

10.1 - Roadway Construction Engineering Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

Approved Rates

| Field Overhead | Facilities Capital Cost of Money | Premium Overtime | Reimburse Actual Expenses | Field Direct Expense |
|---|---|---|---|---|
| 166.07% | 0.234% | Excluded | No | 42.44%* |

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

CSIGeo
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2394 St. Johns Bluff Road S, #200
Jacksonville, Florida 32246
(904) 641-1993
(904) 645-0057

**2019-2020**
**PUBLISHED FEE SCHEDULE**
**FOR**
**GEOTECHNICAL, CONSTRUCTION MATERIALS TESTING AND INSPECTION SERVICES**

**P-47-19 CEI Services for Various Roadway and Bridge Projects**

| | Unit | Cost/Unit |
|---|---|---|
| **CONSTRUCTION FIELD SERVICES** | | |
| **Earthwork** | | |
| Soils Technician (Densities) | Hour | $66.00 |
| Soils Technician (Densities, OT) | Hour | $99.00 |
| Nuclear Soil Testing (minimum of 3 density tests per scheduled trip) | Test | $40.00 |
| In-Place Density Testing (OT) (minimum of 3 density tests per scheduled trip) | Test | $60.00 |
| Sample Pick up Charge/Trip Charge | Each | $85.00 |
| Standby Time | Hour | $55.00 |
| **Concrete** | | |
| Concrete Technician | Hour | $55.00 |
| Concrete Technician (OT) | Hour | $82.50 |
| Concrete Cylinders - One Set of 3 Concrete Cylinders (includes air, slump) | Test | $85.00 |
| Concrete Cylinders - One Set of 3 Concrete Cylinders (OT) | Test | $150.00 |
| Additional Concrete Cylinders | Each | $25.00 |
| Mobilization of Concrete Coring | Each | $400.00 |
| Pavement Coring - 4" Dia | Each | $130.00 |
| Pavement Coring - 6" Dia | Each | $145.00 |
| Sample Pick up Charge/Trip Charge | Each | $85.00 |
| Standby Time | Hour | $55.00 |
| Drilled Shaft Inspector | Hour | $71.50 |
| Drilled Shaft Inspector (OT) | Hour | $107.25 |
| **Asphalt** | | |
| Asphalt Technician (Certified FDOT) - Plant | Hour | $82.50 |
| Asphalt Technician (Certified FDOT) - Roadway | Hour | $71.50 |
| Field Density Method, ASTM D-2922 | Test | $40.00 |
| Mobilization of Asphalt Coring Equipment | Each | $400.00 |
| Pavement Coring – 4" dia with Base Depth Check | Each | $130.00 |
| Pavement Coring – 4" dia without Base Depth Check | Each | $87.00 |
| Pavement Coring – 6" dia with Base Depth Check | Each | $145.00 |
| Pavement Coring – 6" dia without Base Depth Check | Each | $105.00 |
| Standby Time | Hour | $71.50 |
| **Non-Destructive Testing (NDT)** | | |
| Welding Inspector (Mag Particle & Visual) | Hour | $82.50 |
| Vibration Monitoring (Setup) | Hour | $75.00 |
| Structural Bolt Inspection | Hour | $71.50 |
| Vibration Monitoring (Setup) | Each | $1,200.00 |
| Vibration/Settlement Monitoring (Pre-accessment per Structure) | Each | $1,200.00 |
| Vibration/Settlement Monitoring (Post-accessment per Structure) | Each | $1,200.00 |
| Swiss Hammer | Hour | $67.00 |
| Penetrometer | Hour | $67.00 |

CSIGeo
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**2019-2020**
**PUBLISHED FEE SCHEDULE**
**FOR**
**GEOTECHNICAL, CONSTRUCTION MATERIALS**
**TESTING AND INSPECTION SERVICES**

2394 St. Johns Bluff Road S, #200
Jacksonville, Florida 32246
(904) 641-1993
(904) 645-0057

**P-47-19 CEI Services for Various Roadway and Bridge Projects**

## LABORATORY TESTING

| | Unit | Cost/Unit |
|---|---|---|
| **Aggregates** | | |
| Sieve Anlsys of Fine & Coarse AASHTO T27 | Test | $67.00 |
| Soundness AASHTO T104 | Test | $450.00 |
| Specific Gravity/Absorption Coarse AASHTO T85 | Test | $115.00 |
| Total Moisture Content by Drying AASHTO T255 | Test | $30.00 |
| **Asphalt** | | |
| Gradation FM 1-T030 | Test | $100.00 |
| Los Angeles (LA) Abrasion Coarse Agg FM 3-C535 | Test | $450.00 |
| Los Angeles (LA) Abrasion Small Agg FM 1-T096 | Test | $425.00 |
| Bulk Specific Gravity FM 1-T166 | Test | $35.00 |
| Content FM 5-563 | Test | $120.00 |
| Extraction and Gradations, ASTM D-2172 and ASTM C-136 | Test | $300.00 |
| **Concrete** | | |
| Beam Flexural Testing ASTM C78 | Test | $50.00 |
| Compressive Strength of Grout\Mortar ASTM C109 | Test | $25.00 |
| Cylinder Curing, Capping & Breaking ASTM C39 | Test | $25.00 |
| Drilled Cores & Sawed Beams ASTM C42 | Each | $30.00 |
| Concrete Pavement Coring - 4" Dia | Each | $130.00 |
| Concrete Pavement Coring - 6" Dia | Each | $145.00 |
| **Soils** | | |
| Consol-Addtl Incrmnts AASHTO T216 (13 to 24 Loads) | Each | $75.00 |
| Consol-Addtl Incrmnts AASHTO T216 (up to 12 Loads) | Each | $75.00 |
| Consolidation - Constant Strain ASTM D4186 | Test | $500.00 |
| Corrosion Series FM 5-550 through 5-553 | Test | $225.00 |
| Field Vane Shear Test ASTM D2573 | Test | $140.00 |
| Hydrometer Only AASHTO T88 | Test | $100.00 |
| Limerock/California Bearing Ratio (LBR/CBR) FM 5-515 | Test | $335.00 |
| Liquid Limit AASHTO T89 | Test | $50.00 |
| Materials Finer than 200 Sieve FM 1-T011 | Test | $39.00 |
| Miniature Vane Shear Test ASTM D4648 | Test | $5.00 |
| Moisture Content Lab AASHTO T265 | Test | $21.00 |
| Moisture Content Microwave AASHTO D4643 | Test | $21.00 |
| Organic Content Ignition FM 1 T-267 | Test | $40.00 |
| Particle Size Anlys AASHTO T88 (Incl. Hydrometer) | Test | $167.00 |
| Particle Size Anlys AASHTO T88 (No Hydrometer) | Test | $67.00 |
| Permeability Constant Head AASHTO T215 | Test | $365.00 |
| Permeability Falling Head FM 5-513 | Test | $365.00 |
| pH Soil or Water FM 5-550 | Test | $25.00 |
| Plastic Limit & Plasticity Index AASHTO T90 | Test | $49.00 |
| Proctor Modified FM 1-T180 | Test | $150.00 |
| Proctor Standard AASHTO T99 | Test | $150.00 |
| Resistivity Soil or Water FM 5-551 | Test | $50.00 |
| Specific Gravity AASHTO T100 | Test | $85.00 |
| Split Tensile Strgth of Rock Cores ASTM D3967 | Test | $120.00 |
| Sulfate Soil or Water FM 5-553 | Test | $75.00 |
| Triaxl Consl-Drain (CD) Per Point\Cell ASTM D7181 | pt. | $283.00 |
| Tri Cnsl-Undrn (CU) Pt\Cell AASHTO T297/ASTM D4767 | pt. | $260.00 |

2394 St. Johns Bluff Road S, #200
Jacksonville, Florida 32246
(904) 641-1993
(904) 645-0057

| | Unit | Cost/Unit |
|---|---|---|
| Tri Uncsl-Undrn (UU) Pt\Cell AASHTO T296/ASTM D2850 | pt. | $189.00 |
| Unconfined Compress - Soil AASHTO T208/ASTM D2166 | Test | $140.00 |
| One-Point Proctor ASTM D1556 | Test | $90.00 |
| Unconfined Compressive Strength of Concrete Cores ASTM C-138 | Test | $60.00 |
| Unconfined Compressive Strength of Cohesive Soil ASTM D-2166 | Test | $140.00 |
| Uncf'd Comp. Strength of Intact Rock Cores (ASTM D 2938, limit 300 kips) | Test | $145.00 |
| Pocket Penetrometer Test | Test | $13.00 |
| Discharge Water Sample Analysis | Each | $550.00 |
| Discharge Groundwater Sample Analysis | Each | $650.00 |
| Porosity | Test | $155.00 |
| Unit Weight | Test | $55.00 |
| Dry & Moist Unit Weight | Test | $55.00 |
| **TRUCK RIG / ATV** | | |
| **Mobilization/Demobilization** | | |
| Truck Rig Mobilization 0-30 Miles | Each | $ 550.00 |
| Truck Rig Mobilization 30 Miles and over | Mile | $ 5.00 |
| ATV Rig Mobilization 0-30 Miles | Each | $ 650.00 |
| ATV Rig Mobilization 30 Miles and over | Mile | $ 5.50 |
| Out of Town Expenses (Per Diem-2 men crew) | Day | $ 275.00 |
| **Standard Penetration Test (SPT Borings)** | | |
| 0.0-50.0' | lin.ft | $ 13.50 |
| 51.0'-100.0' | lin.ft | $ 15.82 |
| 101.0'-150.0' | lin.ft | $ 18.00 |
| 151'-200' | lin.ft | $ 21.75 |
| 201'-250' | lin.ft | $ 23.50 |
| **Extra Split Spoon Sample** | | |
| 0.0-50.0' | Each | $ 34.00 |
| 51.0'-100.0' | Each | $ 39.00 |
| 101.0'-150.0' | Each | $ 44.00 |
| 151'-200' | Each | $ 49.00 |
| 201'-250' | Each | $ 53.00 |
| **Auger Boring/Wash Boring** | | |
| 0.0-50.0' | lin.ft | $ 10.50 |
| **3" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 9.00 |
| 51.0'-100.0' | lin.ft | $ 9.50 |
| 101.0'-150.0' | lin.ft | $ 11.50 |
| 151'-200' | lin.ft | $ 12.50 |
| 201'-250' | lin.ft | $ 14.00 |
| **4" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 9.88 |
| 51.0'-100.0' | lin.ft | $ 11.38 |
| 101.0'-150.0' | lin.ft | $ 12.50 |
| 151'-200' | lin.ft | $ 14.00 |
| 201'-250' | lin.ft | $ 15.50 |
| **6" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 13.00 |
| 51.0'-100.0' | lin.ft | $ 13.50 |
| 101.0'-150.0' | lin.ft | $ 16.00 |
| **Grouting the Borehole** | | |
| 0.0-50.0' | lin.ft | $ 6.00 |
| 51.0'-100.0' | lin.ft | $ 7.00 |
| 101.0'-150.0' | lin.ft | $ 8.00 |
| 151'-200' | lin.ft | $ 8.75 |
| 201'-250' | lin.ft | $ 9.25 |

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2019-2020
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Jacksonville, Florida 32246
(904) 641-1993
(904) 645-0057

P-47-19 CEI Services for Various Roadway and Bridge Projects

| | Unit | Cost/Unit |
|---|---|---|
| **Undisturbed Sample-Thin wall Shelby tube** | | |
| 0.0-50.0' | Each | $ 140.00 |
| 51.0'-100.0' | Each | $ 145.00 |
| 101.0'-150.0' | Each | $ 150.00 |
| 151'-200' | Each | $ 155.00 |
| **Rock Coring less than 4" ID** | | |
| 0'-50' | lin.ft | $ 43.00 |
| 51'-100' | lin.ft | $ 48.00 |
| 101'-150' | lin.ft | $ 52.00 |
| 151'-200' | lin.ft | $ 55.00 |
| 201'-250' | lin.ft | $ 59.00 |
| **Rock Coring 4" ID and over** | | |
| 0'-50' | lin.ft | $ 53.00 |
| 51'-100' | lin.ft | $ 61.00 |
| 101'-150' | lin.ft | $ 78.00 |
| 151'-200' | lin.ft | $ 99.50 |
| 201'-250' | lin.ft | $ 127.00 |
| **TRIPOD** | | |
| **Mobilization/Demobilization** | | |
| 0-30 Miles | Trip | $ 1,100.00 |
| 30 Miles and over | Mile | $ 5.00 |
| Mobilization from Hole to Hole | Each | $ 250.00 |
| Out of Town Expenses(Per Dime-2 men Crew) | Day | $ 275.00 |
| **Standard Penetration Test (SPT Borings)** | | |
| 0.0-50.0' | lin.ft | $ 27.00 |
| **Extra Spoon Split Sample** | | |
| 0.0-50.0' | Each | $ 43.00 |
| **Casing to Stabilize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 17.00 |
| **Grouting the Borehole** | | |
| 0.0-50.0' | lin.ft | $ 8.00 |
| **Undisturbed Sample-Thin wall Shelby tube** | | |
| 0.0-50.0' | Each | $ 210.00 |
| **TRACK** | | |
| **Mobilization/Demobilization** | | |
| 0-30 Miles | Trip | $ 7,500.00 |
| Out of Town Expenses(Per Dime-2 men Crew) | Day | $ 275.00 |
| Out of State Travel Permits | Trip | $ 550.00 |
| **Standard Penetration Test (SPT Borings)** | | |
| 0.0-50.0' | lin.ft | $ 24.00 |
| 51.0'-100.0' | lin.ft | $ 26.50 |
| 101.0'-150.0' | lin.ft | $ 30.00 |
| 151'-200' | lin.ft | $ 31.00 |
| 201'-250' | lin.ft | $ 34.00 |
| **Extra Split Spoon Sample** | | |
| 0.0-50.0' | Each | $ 40.00 |
| 51.0'-100.0' | Each | $ 45.50 |
| 101.0'-150.0' | Each | $ 49.50 |
| 151'-200' | Each | $ 53.00 |
| 201'-250' | Each | $ 57.00 |
| **Auger Boring/Wash Boring** | | |
| 0.0-50.0' | lin.ft | $ 17.00 |

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P-47-19 CEI Services for Various Roadway and Bridge Projects

| | Unit | Cost/Unit |
|---|---|---|
| **3" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 16.00 |
| 51.0'-100.0' | lin.ft | $ 18.75 |
| 101.0'-150.0' | lin.ft | $ 20.00 |
| 151'-200' | lin.ft | $ 25.00 |
| 201'-250' | lin.ft | $ 30.00 |
| **4" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 17.00 |
| 51.0'-100.0' | lin.ft | $ 20.00 |
| 101.0'-150.0' | lin.ft | $ 21.00 |
| 151'-200' | lin.ft | $ 21.25 |
| 201'-250' | lin.ft | $ 22.50 |
| **6" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 18.50 |
| 51.0'-100.0' | lin.ft | $ 21.00 |
| 101.0'-150.0' | lin.ft | $ 23.00 |
| **Grouting the Borehole** | | |
| 0.0-50.0' | lin.ft | $ 7.50 |
| 51.0'-100.0' | lin.ft | $ 8.50 |
| 101.0'-150.0' | lin.ft | $ 9.50 |
| 151'-200' | lin.ft | $ 10.50 |
| 201'-250' | lin.ft | $ 11.25 |
| **Undisturbed Sample-Thin wall Shelby tube** | | |
| 0.0-50.0' | Each | $ 210.00 |
| 51.0'-100.0' | Each | $ 230.00 |
| 101.0'-150.0' | Each | $ 245.00 |
| 151'-200' | Each | $ 255.00 |
| **Rock Coring less than 4" ID** | | |
| 0'-50' | lin.ft | $ 49.00 |
| 51'-100' | lin.ft | $ 54.00 |
| 101'-150' | lin.ft | $ 56.00 |
| 151'-200' | lin.ft | $ 59.00 |
| 201'-250' | lin.ft | $ 65.00 |
| **Rock Coring 4" ID and over** | | |
| 0'-50' | lin.ft | $ 60.00 |
| 51'-100' | lin.ft | $ 65.00 |
| 101'-150' | lin.ft | $ 67.00 |
| 151'-200' | lin.ft | $ 69.00 |
| 201'-250' | lin.ft | $ 75.00 |
| **Barge/Amphibious** | | |
| **Mobilization/Demobilization** | | |
| Amphibious | Trip | $ 9,100.00 |
| Barge (Small) | Trip | $ 9,100.00 |
| Barge (Large) | Trip | TBD |
| Out of Town Expenses(Per Dime-2 men crew) | Day | $ 275.00 |
| Out of State Travel Permits | Trip | $ 550.00 |
| Move Barge Hole to Hole | Each | $ 1,200.00 |
| **Standard Penetration Test (SPT Borings)** | | |
| 0.0-50.0' | lin.ft | $ 24.00 |
| 51.0'-100.0' | lin.ft | $ 26.50 |
| 101.0'-150.0' | lin.ft | $ 30.00 |
| 151'-200' | lin.ft | $ 31.00 |
| 201'-250' | lin.ft | $ 34.00 |

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P-47-19 CEI Services for Various Roadway and Bridge Projects

| | Unit | Cost/Unit |
|---|---|---|
| **Extra Split Spoon Sample** | | |
| 0.0-50.0' | Each | $ 40.00 |
| 51.0'-100.0' | Each | $ 45.50 |
| 101.0'-150.0' | Each | $ 49.50 |
| 151'-200' | Each | $ 53.00 |
| 201'-250' | Each | $ 57.00 |
| **Auger Boring/Wash Boring** | | |
| 0.0-50.0' | lin.ft | $ 17.00 |
| **3" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 16.00 |
| 51.0'-100.0' | lin.ft | $ 18.75 |
| 101.0'-150.0' | lin.ft | $ 20.00 |
| 151'-200' | lin.ft | $ 25.00 |
| 201'-250' | lin.ft | $ 30.00 |
| **4" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 17.00 |
| 51.0'-100.0' | lin.ft | $ 20.00 |
| 101.0'-150.0' | lin.ft | $ 21.00 |
| 151'-200' | lin.ft | $ 21.25 |
| 201'-250' | lin.ft | $ 22.50 |
| **6" Casing to Stablize Borehole** | | |
| 0.0-50.0' | lin.ft | $ 18.50 |
| 51.0'-100.0' | lin.ft | $ 21.00 |
| 101.0'-150.0' | lin.ft | $ 23.00 |
| **Grouting the Borehole** | | |
| 0.0-50.0' | lin.ft | $ 7.50 |
| 51.0'-100.0' | lin.ft | $ 8.50 |
| 101.0'-150.0' | lin.ft | $ 9.50 |
| 151'-200' | lin.ft | $ 10.50 |
| 201'-250' | lin.ft | $ 11.25 |
| **Undisturbed Sample-Thin wall Shelby tube** | | |
| 0.0-50.0' | Each | $ 210.00 |
| 51.0'-100.0' | Each | $ 230.00 |
| 101.0'-150.0' | Each | $ 245.00 |
| 151'-200' | Each | $ 255.00 |
| **Rock Coring less than 4" ID** | | |
| 0.0-50.0' | lin.ft | $ 49.00 |
| 51.0'-100.0' | lin.ft | $ 54.00 |
| 101.0'-150.0' | lin.ft | $ 56.00 |
| 151'-200' | lin.ft | $ 59.00 |
| 201'-250' | lin.ft | $ 65.00 |
| **Rock Coring 4" ID and over** | | |
| 0.0-50.0' | lin.ft | $ 60.00 |
| 51.0'-100.0' | lin.ft | $ 65.00 |
| 101.0'-150.0' | lin.ft | $ 67.00 |
| 151'-200' | lin.ft | $ 69.00 |
| 201'-250' | lin.ft | $ 75.00 |

2394 St. Johns Bluff Road S, #200
Jacksonville, Florida 32246
(904) 641-1993
(904) 645-0057

| | Unit | Cost/Unit |
|---|---|---|
| **OTHER SERVICES** | | |
| Support Boat & Operator | Day | $ 525.00 |
| Air Boat Mobilization | Each | $ 850.00 |
| Tugboat Mobilization | Each | $ 1,200.00 |
| Pavement Coring Equip Mobilization | Each | $ 400.00 |
| Hand Augers Mobilization | Each | $ 250.00 |
| Hand Auger with DCP - ASTM D1452 | lin.ft | $ 19.50 |
| Hand Auger with SCP - ASTM D1453 | lin.ft | $ 19.50 |
| CPT Rig Mobilization | Each | $ 825.00 |
| CPT Truck/MB 0-200ft | lin.ft | $ 17.50 |
| CPT Dissipation Test | Hour | $ 200.00 |
| Mobilization Ground Penetrating Radar (GPR) | Each | $ 450.00 |
| Ground Penetrating Radar (GPR) | Day | $ 1,250.00 |
| Dilatometer Sounding | Hour | $ 210.00 |
| Drilling by the hour/Stand By Time/Difficult Access-(2-person) | Hour | $ 225.00 |
| Drilling by the hour/Stand By Time/Difficult Access-(3-person) | Hour | $ 295.00 |
| Drill Crew Support Vehicle | Day | $ 265.00 |
| Dozer/Clearing | Day | $ 950.00 |
| Backhoe | Day | $ 950.00 |
| Chainsaw | Day | $ 550.00 |
| Soil Probing 2-Person Crew | Day | $ 1,200.00 |
| MOT Mobilization | Each | $ 185.00 |
| MOT | Day | $ 1,150.00 |
| MOT Off-Duty Police Officer | Hour | $ 70.00 |
| MOT Rumble Strips (SI 603) per set | Each | $ 250.00 |
| 4" Asphalt Core with Base Depth Check | Each | $ 130.00 |
| 4" Asphalt Core | Each | $ 87.00 |
| 6" Asphalt Core with Base Depth Check | Each | $ 145.00 |
| 6" Asphalt Core | Each | $ 105.00 |
| 4" Concrete Core | Each | $ 130.00 |
| 6" Concrete Core | Each | $ 145.00 |
| Core Box (cardboard) | Each | $ 50.00 |
| Sample Pick-up | Each | $ 90.00 |
| Temporary Monitoring Well @ 15' | Each | $ 800.00 |
| Piezometer 2" 0-50ft | lin.ft | $ 27.00 |
| Concrete Pad & Cover for Monitoring Well | Each | $ 265.00 |
| **In Situ Tests** | | |
| Soil Percolation Tests - Double Ring Infiltration (1-Foot Depth) | Test | $ 470.00 |
| Soil Percolation Tests - Cased Borehole Permeability 0-10ft | Test | $ 325.00 |
| Soil Percolation Tests - Cased Borehole Permeability 10-25ft | Test | $ 375.00 |
| Dynamic Cone Penetrometer Test | Hour | $ 99.00 |

**FORM 1**
**SCHEDULE OF PROPOSED PRICES/RATES**

NAME OF CONTRACTOR: CSI Geo, Inc.

Proposal Number: P-47-19 CEI Services for Various Roadway and Bridge Projects

1. Average hourly direct labor rates (without Fringe Benefits)

| | |
|---|---|
| Project Manager | $ 67.23 hr. |
| Senior Engineer | $ 46.39 hr. |
| Engineer Intern | $ 38.00 hr. |
| CADD/Computer Technician | $ 33.97 hr. |
| Senior Technician | $ 28.00 hr. |
| Clerical (Typist, Word Processor, Document Assembly, etc.) | $ 17.00 hr. |

2. Total Overhead Rate (to be applied to Direct Labor:) 200 %

3. Profit Rate (to be applied to Direct Labor plus Overhead) 10 %

4. Cost of 4-man survey crew per 8 hour day (If applicable) $_____ hr.

5. Other Direct Project Costs per Unit (please specify)

Please see attachments.

6. Estimated percentage of total fee to be performed by subconsultants_____%

7. Please provide any other relevant rates that may apply to this project including average direct hourly labor rates for other categories of proposed personnel

Please see attachments.

# Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT, P.E.
SECRETARY

July 3, 2019

William Price, President
CSI GEO, INC.
2394 St. Johns Bluff Road South, Suite 200
Jacksonville, Florida 32246

Dear Mr. Price:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 9 - Soil Exploration, Material Testing and Foundations

9.1 - Soil Exploration
9.2 - Geotechnical Classification Laboratory Testing
9.3 - Highway Materials Testing
9.4.1 - Standard Foundation Studies
9.4.2 - Non-Redundant Drilled Shaft Bridge Foundation Studies
9.5 - Geotechnical Specialty Laboratory Testing

Group 10 - Construction Engineering Inspection

10.1 - Roadway Construction Engineering Inspection
10.3 - Construction Materials Inspection

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2020 for contracting purposes.

Approved Rates

| Home/ Branch Overhead | Field Overhead | Facilities Capital Cost of Money | Premium Overtime | Reimburse Actual Expenses | Home Direct Expense | Field Direct Expense | Published Fee Schedule |
|---|---|---|---|---|---|---|---|
| 227.65% | 95.96% | 1.309% | Excluded | No | 8.60% | 2.04%* | Yes |

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

**Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.**

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,

Carliayn Kell

Carliayn Kell
Professional Services
Qualification Administrator

# CSI Geo, Inc.

## LOADED MANHOUR RATES

Submittal Date: 2/24/2020
Submitted to: Eisman & Russo

RFP: P-47-19 CEI Services for Various Roadway and Bridge Projects

2/24/2020
Date

Bruce Khosrozadeh, Senior Vice President
NAME & TITLE OF CERTIFYING PERSONNEL

| Personnel Classification | Name | Current Pay Rate | Classification Average | Overhead | Profit | Loaded Billable Rate |
|---|---|---|---|---|---|---|
| **Project Manager** | John Iya | 67.23 | | | | |
| | | | 67.23 | 200.00% | 10.00% | **221.86** |
| **Senior Engineer** | Brad Sheffield | 46.39 | | | | |
| | | | 46.39 | 200.00% | 10.00% | **153.09** |
| **Engineer Intern** | Nader Amer | 45.52 | | | | |
| | | | 45.52 | 200.00% | 10.00% | **150.22** |
| **CADD/Computer Technician** | Liam Capstick | 35.10 | | | | |
| | Bryan Mendoza | 32.84 | | | | |
| | | | 33.97 | 200.00% | 10.00% | **112.10** |
| **Senior Technician** | Anthony Watkins | 28.00 | | | | |
| | | | 28.00 | 200.00% | 10.00% | **92.40** |
| **Secretary/Clerical** | Ben Gabriel | 17.00 | | | | |
| | | | 17.00 | 200.00% | 10.00% | **56.10** |

I hereby certify that the above current salary rates are the actual rates being paid to the individual employees listed as of the date shown be

**Bruce Khosrozadeh, Senior Vice President**

2/24/2020
**Date**

Form1 – SCHEDULE OF PROPOSED PRICES/RATES

NAME OF CONSULTANT: __GEOGRAMETRIX, INC._____

Proposal Number: P-47-19

1. Average hourly direct labor rates (Without Fringe Benefits)

| | |
|---|---|
| Project Manager | $_____36.0_____hr |
| System Administrator | $_____34.0_____hr |
| GIS Applications Developer | $_____33.20_____hr |

2. Total Overhead Rate (To be applied to Direct Labor) _____150_____%
3. Profit Rate (To be applied to Direct Labor plus Overhead) _____10_____%

Underwater Services, Inc

7930 62ND STREET NORTH • PINELLAS PARK, FL 33781 • (727)546-4198 • FAX (727)549-8131
www.boltunderwater.com

## City of Jacksonville Various Roadway and Bridge Projects RFP No. P-47-19

As requested, the following figures reflect BOLT's rates on the above referenced project.

**UNDERWATER INSPECTION SERVICES:** *4 hour minimum, portal to portal*
Senior Underwater Certified Bridge Inspector $103.81/Hour
Senior Inspector $53.73/Hour
Assistant Underwater Bridge Inspection Trainee $48.03
Chief Engineer $168.54/Hour
Secretary/Clerical $57.01/Hour

3-Person Crew $205.57/Hour
4-Person Crew $253.60/Hour

**PENETRATION DIVES:** Per OSHA requirements of a 4-Person Dive Team w/surface supplied communications and gear. *4.5 hour minimum, portal to portal*
4-Person Crew $253.60/Hour

**EQUIPMENT:**
Dive Boats: $275.00/Day each, includes fuel
Underwater Digital Photography Equipment: $75.00/Day each
Underwater Ultrasonic Testing Equipment: $300.00/Day
Boat and Operator (Snooper Support etc./Engineer Inspection): $275.00/Day plus Operators hourly rate

**LODGING:** 120.00 per day per person

**MEALS:** 30.00 per person

**Secretary/Clerical:** Report processing will be charged at the above rate

Sincerely,

Mollie Griswold, C.B.I., President
Bolt Underwater Services, Inc.

**Client:** Eisman & Russo, Inc.
6455 Powers Avenue
Jacksonville, FL 32217

**Consultant:** **Bolt Underwater Services, Inc.**

**Contact / Project Manager:** Tony Mahfoud, PE
**Phone:**

**Contract Name:** Various Roadway and Bridge Projects RFP-P-47-19

| | FDOT OH Rate | FCCM | Profit | Expense | Multiplier |
|---|---|---|---|---|---|
| **Attachment C-1** | 146.88% | 0.422% | 2.44% | 8.11% | **2.850376** |

| Personnel | Classification | Actual Rates (6/27/19) | Billing Rates | Maximum |
|---|---|---|---|---|
| | | | | |
| Redden, Michael D. | **Assistant Underwater Bridge Inspection Trainee** | $ 16.85 | $ 48.03 | #REF! |
| | | $ - | $ - | |
| DeReus, Scott | **Chief Engineer** | $ 59.13 | $ 168.54 | #REF! |
| | | $ - | $ - | |
| Shankle, Edith A. | **Secretary / Clerical** | $ 20.00 | $ 57.01 | #REF! |
| | | $ - | $ - | |
| Myers, Jared L. | **Senior Inspector** | $ 18.85 | $ 53.73 | #REF! |
| | | $ - | $ - | |
| Qualls, Dion C. | **Senior Underwater Certified Bridge Inspector** | $ 36.42 | $ 103.81 | #REF! |
| Griswold, Mollie A. | | $ 36.42 | $ 103.81 | |
| Hoogland, Keith S. | | $ 36.42 | $ 103.81 | |
| | | $ - | $ - | |

I do hereby certify that the current rates shown above are the actual rates for these employees, effective
NOT SUBMITTED

Mollie Griswold
President

1/9/2020
Date

# CONTRACT FEE SUMMARY

| PART I - GENERAL | |
|---|---|
| **1. Project**<br>P-47-19 Engineering & Inspection Services for Various Roadway & Bridge Projects Exceeding $2,000,000 for City of Jacksonville | **2. Task**<br>Surveying and Mapping |
| **3. Name of Consultant**<br>R.E. Holland & Associates, Inc. | **4. Date of Proposal**<br>2/24/2020 |

| PART II - LABOR RELATED COSTS | | | | |
|---|---|---|---|---|
| **5. Direct Labor** | Hourly Rate | Estimated Hours | Estimated Cost | TOTAL |
| Principal | $ 66.00 | | $ 0.00 | |
| Project Manager | $ 63.64 | | $ 0.00 | |
| Project Surveyor | $ 54.55 | | $ 0.00 | |
| Survey Technician | $ 42.35 | | $ 0.00 | |
| Field Crew | $ 56.37 | | $ 0.00 | |
| Clerical | $ 15.95 | | $ 0.00 | |
| **TOTAL DIRECT LABOR** | #DIV/0! | 0 | | $ - |
| **6. Overhead (Combined Fringe Benefit & Administrative)** | | | | |
| Overhead Rate | 150 % x Total Direct Labor | | | $ - |
| **7. SUBTOTAL: Labor + Overhead (Items 5 & 6)** | | | | $ - |
| **8. PROFIT: Labor Related Costs (Item 7)** | x | | 10% | $ - |

| PART III - OTHER COSTS | | |
|---|---|---|
| **9. Miscellaneous Direct Costs** | | |
| Transportation & Shipping | $ 0.00 | |
| Original Reproducibles | $ 0.00 | |
| Reproduction | $ 0.00 | |
| | $ 0.00 | |
| MISCELLANEOUS DIRECT COSTS SUB-TOTAL | | $ - |
| **10. SUBCONTRACTS (Lump Sum)** | | |
| SUE - Subsurface Utility Engineering Services | | |
| | $ 0.00 | |
| SUB-CONTRACT SUB-TOTAL | | $ - |
| TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10) | | |
| **11. REIMBURSABLE COSTS (Limiting Amount)** | | |
| SUB-TOTAL REIMBURSABLES | | $ - |

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

## SCHEDULE OF MEASUREMENT AND ANALYSIS CHARGES
**Effective January 1, 2019**
(subject to change without notice)

The following rates are for field testing work using either High Strain impacts (pile driving hammer or drop weight) analyzed by the **Pile Driving Analyzer® (PDA)** system, **Cross Hole Sonic Logging (CSL)** with **CHA** equipment, **Thermal Integrity Profiling** using a **Thermal Integrity Profiler (TIP)** system, and **Low Strain** (Pulse Echo Method) tests (with a small hand held hammer) and the **Pile Integrity Tester™ (PIT)** system. PDA tests are used for assessing bearing capacity (in conjunction with CAPWAP® analyses), hammer performance, driving stresses and pile integrity. CHA, TIP and PIT only allow for the evaluation of the integrity of drilled shafts (CHA, TIP, and PIT) or driven concrete piles (only PIT). Additional testing services include compression or tension static load test monitoring with the **Static Load Tester (SLT)** system, bi-directional static load testing using the **GRL-Cell**, foundation length inductive testing using the **Length Inductive Test Equipment (LITE),** drilled shaft base condition assessments using the **Shaft Quantitative Inspection Device (SQUID),** and shaft profile and verticality using the **Shaft Area Profile Evaluator (SHAPE).**

Field testing may be done by a GRL engineer on-site or via remote processing with the SiteLink™ PDA equipment (see Section 4) or SQUID (see section 7). GRL will assign a qualified and experienced engineer for field testing. If the client requests that work be performed by a specific GRL engineer, then an additional charge may occur. To assist GRL to provide proper equipment and qualified personnel, a one week notice is requested. Rescheduling (even on a daily basis) is usually possible. For late notice by client, extra travel expenses and travel time charges may accrue. **The client is responsible for providing safe working conditions and any required safety equipment for conformance with OSHA or local safety conditions.** For PDA testing, assistance in attaching transducers to pile may be needed. For CSL testing, shaft tops must be easily and safely accessible. Also the CSL access tubes must be previously installed in the shaft, extend at least 2 feet above the top of concrete and be completely filled with water. TIP testing requires either installation of Thermal Wire® cables or insertion of a thermal probe in dewatered CSL access tubes. For PIT testing, the client must provide readily accessible clean pile tops, cut down to sound concrete and smoothly ground for sensor attachment and hammer impact.

If the client requires measurements in adverse weather conditions, then the measurement equipment has to be sheltered, providing dry conditions and a reasonable temperature range (32 to 100°F or 0 to 35°C). This rate schedule only applies in conjunction with GRL Testing Equipment charges (see Items 2, 4, 6, and 7). For other consulting work, the Schedule of Labor and Computer Time Charges will apply. Furthermore, our daily rates apply even if only a partial day is worked.

Payment terms are Net 30 Days; 1.5% interest added after 30 days.

### 1. TESTING - GRL ENGINEER on-site

***(a) Normal Situations***

| | |
|---|---|
| Civil Engineer - generally only one GRL engineer per 8 hour work day (Monday - Friday, between 6 am to 6 pm) is required for pile testing. | $ 1,050 |

***(b) Extended Situations***

| | |
|---|---|
| Civil Engineer - per 8 hour working weekend or GRL holiday | $ 1,575 |
| - per non-working weekend day or GRL holiday, if travel to home is not feasible | $ 1,100 |
| - per overtime hour (above 8 hour work day) | $ 180 |
| - per 8-hour night shift (between 6pm and 6am) | $ 1,600 |

***(c) Travel Time***

| | |
|---|---|
| ~~Travel time per hour per Continental USA round-trip~~ | ~~$ 90~~ |
| ~~Maximum $900/trip~~ | |
| ~~Travel Time outside of the Continental USA~~ | ~~to be negotiated~~ |
| ~~Projects requiring more than one GRL engineer~~ | ~~to be negotiated~~ |

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Per Mohamed Hussein, P.E.

## SCHEDULE OF MEASUREMENT AND ANALYSIS CHARGES (continued)
**Effective January 1, 2019**
(subject to change without notice)

### 2. TESTING EQUIPMENT - used on site by GRL Engineer

Field measurement equipment includes for High Strain Dynamic Testing, a Pile Driving Analyzer (PDA) with all necessary transducers and accessories; or for integrity testing Cross Hole Sonic Logging the CHA with transmitter, receiver and encoders; or for Static Load Testing, the Static Load Tester (SLT) or basic data acquisition system with all accessories for measuring pile head or shaft top movement, or for Low Strain Pulse Echo Testing all necessary PIT equipment; or for steel pile length measurements, the LITE with accessories.

| | | PDA | CHA | SLT | PIT | LITE |
|---|---|---|---|---|---|---|
| a) | Complete set of equipment per day, (includes weekdays, working holidays, working weekends and night shifts) | $600 | $475 | $500 | $350 | $300 |
| b) | Equipment standby on weekend days or GRL holidays. | NC | NC | NC | NC | NC |
| c) | Mobilization of equipment – (Continental U.S. only). (one time only charge to same project) | $200 | $200 | $200 | $200 | $200 |
| d) | Equipment in transit, per day. (This charge will normally not occur since engineer usually carries equipment to site. However, excess baggage cost and/or porter gratuities must be expected as we travel with only one engineer) | $350 | $350 | $350 | $350 | $50 |

Any equipment, malfunctioning due to circumstances under the control of GRL Engineers, Inc. will be replaced at no charge in the most expedient manner.

Equipment lost or damaged due to circumstances **not** under the control of GRL based on current repair or replacement cost. Replacement costs as of January 2017 are provided below:

| | | |
|---|---|---|
| PDA Strain transducer | $ 620 | |
| PDA, PIT accelerometer | $ 1,325, | $ 1,115 |
| PDA, PIT wireless transmitter | $ 1,220, | $ 1,515 |
| PDA strain transducer repair | at cost | |
| PDA or PIT accelerometer repair | at cost | |
| PDA Wireless transmitter repair | at cost | |
| PDA or CHA Main cable | $ 475, | $ 475 |
| PDA or CHA Connection cable | $ 515, | $ 415 |
| CHA transmitter/receiver probe | $ 1,100 | |
| CHA transmitter/receiver cable | $ 440 | |
| SLT LVDT or digital dial gage | at cost | |
| LITE cable and/or sensor | $ 1,935 | |

### ~~3. TRAVEL, LIVING AND SHIPPING EXPENSES~~

| | |
|---|---|
| ~~Mileage (company and personal automobiles)~~ | ~~$0.575 per mile~~ |
| ~~Per diem:~~ | |
| ~~- Overnight/Partial Overnight Rate~~ | ~~$ 55.00 / 41.25~~ |
| ~~- more than 8 hours trip/work (not overnight)~~ | ~~$ 30.00~~ |
| ~~All Other Expenses (airfare, rental car, hotel etc.)~~ | ~~at cost~~ |

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## 4. SITELINK™ TESTING

The following rates are for testing work using **High Strain** impacts (pile driving hammer or drop weight) analyzed via SiteLink™ dynamic foundation testing. The Pile Driving Analyzer® required for SiteLink™ testing can either be purchased by the client from Pile Dynamics (tel: 216-831-6131) or the equipment rented from GRL when needed.

GRL will assign a qualified and experienced engineer for evaluating data acquired from field testing. The SiteLink™ PDA is used by the client on-site to collect and send data to GRL at their office and thus (a) facilitate the contractor's scheduling of testing, (b) avoid travel expenses and travel time charges, and (c) speed up analysis and reporting of results. Some on-site assistance on the very first project by GRL may be desirable and can be obtained from GRL at a standard rate.

### 4.1 Equipment Charges – SiteLink™ PDA

***(a) Equipment Mobilization***

Complete PDA system with broadband (for USA use), sensors and cables. Client provides drill, and other incidental tools for pile preparation, as well as internet/phone connection on international projects.

$200 *(plus shipping)*

***(b) Equipment Charge – SiteLink™***

| | |
|---|---|
| per working day (weekend, holiday, night shift, etc.) | $250 |
| per non-working weekday (e.g. standby rate) | $50 |
| per non-working weekend day | N/C |
| Max charge per week | $825 |
| Max charge per month | $3,100 |

Equipment lost or damaged charged at repair or replacement value. Equipment is insured during transit by GRL. Client assumes responsibility upon arrival on-site. Any malfunctioning equipment will be replaced in the most expedient manner when GRL is notified by client. For cost of damaged equipment, see section 2, above.

### 4.2 Engineering Charges for SiteLink™ data collection, analysis and report

| | |
|---|---|
| ***(a)*** daily set up charge[1] | $525 |
| ***(b)*** monitoring charge, per pile – regular[2], initial drive event | $220 |
| ***(c)*** monitoring charge, per pile – regular[2], restrike event | $140 |
| ***(d)*** monitoring charge, per pile – premium[3], initial drive event | $320 |
| ***(e)*** monitoring charge, per pile – premium[3], restrike event | $320 |

Note: at least one third of all tested piles should have a CAPWAP analysis performed. See analysis rate schedule for CAPWAP pricing.

[1] Base charge once test day is confirmed.
[2] For tests performed during standard work period (6:30am – 5:30pm)
[3] For tests performed after standard work period/weekends/holidays

### 4.3 SiteLink Summary Reports

| | |
|---|---|
| Per pile tested | $100 |
| Minimum report charge | $1,000 |

## SCHEDULE OF MEASUREMENT AND ANALYSIS CHARGES (continued)
**Effective January 1, 2019**
(subject to change without notice)

### 5. ANALYSES AND SUMMARY REPORTS

#### 5.1 CAPWAP Analysis of One Record

| | | |
|---|---|---|
| *(a)* | Each CAPWAP analysis | $300 |
| *(b)* | For complex situations (drilled shafts, augered-cast-in-place piles etc.) | $450 |
| *(c)* | For length in excess of 330 ft (100m) add $.3/ ft ($1/m) to a maximum of | $625 |

#### 5.2 PIT-W Analysis of Low Strain Record

| | | |
|---|---|---|
| *(a)* | Frequency domain analysis, per record | $80 |
| *(b)* | PIT-W - Profile analysis, per record | $150 |

#### 5.3 GRLWEAP Wave Equation Analysis

| | | |
|---|---|---|
| *(a)* | For bearing graph analysis of one situation, | $350 |
| | Additional related analyses, each | $250 |
| *(b)* | Additional related analysis, inspectors chart only | $125 |
| *(c)* | For driveability analysis of one situation, | $750 |
| | Additional related analyses, each | $375 |
| *(d)* | Offshore leg pile driveability, per platform | $4,350 |
| *(e)* | Refined wave equation analysis, including CAPWAP | $1,250 |

#### 5.4 Tomography Analysis of CHA CSL Data

| | | |
|---|---|---|
| *(a)* | Tomography analysis, $75 per tube with a minimum of | $325 |

#### 5.5 Summary Reports

| | | |
|---|---|---|
| *(a)* | Standard PDA onshore measurement projects, $ 100 per pile with a minimum PDA summary report charge of | $1,000 |
| *(b)* | PDIPLOT (graphical/numerical summary of PDA results), per pile | $100 |
| *(c)* | CHA projects, $30 per CSL profile with a minimum of | $800 |
| *(d)* | SLT reports without embedded instrumentation, per pile or test type | $1,000 |
| *(e)* | SLT reports with embedded instrumentation, $ 300 per instrumentation level (single gage) or $500 per instrumentation level (multiple gages) plus base report charge of | $1,000 |
| *(f)* | PIT projects, $35 per pile, with a minimum of | $850 |
| *(g)* | GRLWEAP Wave Equation Report (plus applicable analysis charges in 5.3) | $750 |
| *(h)* | SQUID projects, $30 per shaft (engineer on site), with a minimum of | $1,000 |
| *(i)* | SHAPE projects, $50 per shaft (engineer on site), with a minimum of | $1,000 |
| *(j)* | For special analyses or report work, see Schedule of Labor and Computer Time Charges | |

## 6. THERMAL INTEGRITY PROFILING (TIP)

The following rates are for testing work using **Thermal Integrity Profiling (TIP).** Two methods are available for assessing shaft integrity during concrete curing with this test; **Thermal Wire®** cable and TIP probe. Shafts can be fitted with **Thermal Wire®** cable with thermal data pushed to the cloud with a TAG data collector and TAP Edge units or thermal data can be manually retrieved from each TAP data collector unit. The GRL engineer will assist the client in determining the appropriate amount of Thermal Wire cable length required and have the wire shipped to the client's site. Installation of the Thermal Wire® cable to the shaft cage is the responsibility of the contractor, though GRL can also provide guidance and assistance at daily engineering rates if required. If the TIP probe method is used, the engineer must be on-site to lower the probe into dewatered CSL access tubes and manually collect data at the appropriate time during curing.

### 6.1 GRL Engineer Charges – TIP

GRL engineer on-site and travel charges for TIP jobs are the same as outlined in section (1) and (3).

### 6.2 Equipment Charges – TIP

***(a) Equipment Mobilization – Wire or Probe method***

| | |
|---|---|
| One time charge per project (Continental USA only) plus shipping charges (at cost) | $200 |

***(b) Equipment Charge – TIP Wire method***

| | | | |
|---|---|---|---|
| *(i)* TIP Main Unit | Off-site | per shaft or pile | $200 |
| | On-site | | |
| | Daily Rate | per day | $210 |
| | Weekly Rate | per week | $680 |
| | Monthly Rate (1 to 3 month duration) | per month | $2,600 |
| *(ii)* TAG Unit *(plus sales tax)* | | | |
| | Month or Partial Month | each | $500 |
| *(iii)* TAP or TAP Edge Units *(plus sales tax)* | | | |
| | Month or Partial Month | each | $100 |
| *(iv)* Thermal Wire cables *(plus sales tax)* | | per foot | $5 |
| | Non-instrumented cable | per foot | $1 |
| | Splice Connector | each | $25 |

***(c) Equipment Charge – TIP Probe method***

| | |
|---|---|
| Complete set of TIP equipment with TIP Main Unit and Probe, per day | $475 |

### 6.3 Report

| | |
|---|---|
| Per shaft tested (multi-wire or probe) | $500 |
| Per CFA pile / soil nail (single wire) | $300 |

### 6.4 Shipping

Shipping charges of equipment and cables to site are charged at cost. Thermal Wire cable discounts apply for total order per project. Equipment lost or damaged charged at repair or replacement value. Equipment is insured during transit by GRL. Client assumes responsibility upon arrival on-site. Any malfunctioning equipment will be replaced in the most expedient manner when GRL is notified by client.

## 7. SHAFT QUANTITATIVE INSPECTION DEVICE (SQUID)

The following rates are for testing work using **Shaft Quantitative Inspection Device (SQUID).** This test requires the mobilization with sufficient advance notice of the SQUID device which may typically then remain at the job site for the duration of the inspection period. **SQUID** testing can be performed with the GRL Engineer on-site or remotely in real time (subject to availability of cell phone service at the site).

The client is responsible for providing and operating the necessary crane and rigging to deploy the SQUID. Freight charges for the unit are at cost and require an independent quote per project. Arrangements should be made with the client to maintain the SQUID in a safe and secure manner in between test periods should the unit be kept on site and responsibility for any damage to the unit is the responsibility of the client (which must be clearly stated to the client in the quote and contract).

### 7.1 Engineer Charges – SQUID

GRL engineer on-site and travel charges for SQUID jobs are the same as outlined in section (1) and (3).

### 7.2 Equipment Charges – SQUID

***(a) Equipment Mobilization***

| | |
|---|---|
| Charge per mobilization (Continental USA only) plus shipping charges (at cost) | $500 |

***(b) Equipment Charge***

| | | |
|---|---|---|
| Daily Rate | per day | $760 |
| Weekly Rate | per week | $2,500 |
| Monthly Rate (1 to 3 month duration) | per month | $7,500 |

### 7.3 Report

| | |
|---|---|
| Per shaft tested – engineer on site | $30 |
| Per shaft tested – remotely in real time ( ≤ 3 ft diameter) | $300 |
| Per shaft tested – remotely in real time ( > 3 ft and ≤ 7 ft diameter) | $500 |
| Per shaft tested – remotely in real time ( > 7 ft diameter) | $700 |
| Final Summary Report (in addition to per shaft tested) | $1000 |

### 7.4 Shipping

Shipping charges of SQUID equipment and accessories to site are charged at cost. Equipment lost or damaged charged at repair or replacement value. Equipment is insured during transit by GRL. Client assumes responsibility upon arrival on-site. Any malfunctioning equipment will be replaced in the most expedient manner when GRL is notified by client.

## SCHEDULE OF MEASUREMENT AND ANALYSIS CHARGES (continued)
**Effective January 1, 2019**
(subject to change without notice)

### 8. SHAFT AREA PROFILE EVALUATOR (SHAPE)

The following rates are for testing work using **SHaft Area Profile Evaluator (SHAPE).** This test requires the mobilization with sufficient advance notice of the SHAPE device which may typically then remain at the job site for the duration of the inspection period. **SHAPE** testing can be performed with the GRL Engineer on-site or remotely in real time (subject to availability of cell phone service at the site).

The client is responsible for providing and operating the necessary crane and rigging to deploy the SHAPE. Freight charges for the unit are at cost and require an independent quote per project. Arrangements should be made with the client to maintain the SHAPE in a safe and secure manner in between test periods should the unit be kept on site and responsibility for any damage to the unit is the responsibility of the client (which must be clearly stated to the client in the quote and contract).

#### 8.1 Engineer Charges – SHAPE

GRL engineer on-site and travel charges for SHAPE jobs are the same as outlined in section (1) and (3).

#### 8.2 Equipment Charges – SHAPE

***(a) Equipment Mobilization***

| | |
|---|---|
| Charge per mobilization (Continental USA only) plus shipping charges (at cost) | $2000 |

***(b) Equipment Charge***

| | | |
|---|---|---|
| Weekly Rate | per week | $2,000 |
| Monthly Rate | per month | $3,000 |

#### 8.3 Report

| | |
|---|---|
| Per shaft tested – engineer on site (plus charges per Section 8.1) | $200 |
| Per shaft tested **and** reported remotely in real time (no engineer on site) | $400 |
| Final Summary Report (if requested) in addition to per shaft tested | $1000 |

#### 8.4 Shipping

Shipping charges of SHAPE equipment and accessories to site are charged at cost. Equipment lost or damaged charged at repair or replacement value. Equipment is insured during transit by GRL. Client assumes responsibility upon arrival on-site. Any malfunctioning equipment will be replaced in the most expedient manner when GRL is notified by client.

**JSEB FORM I**
**CITY OF JACKSONVILLE SMALL & EMERGING BUSINESSES PROGRAM**

SCHEDULE OF JSEB SUBCONTRACTOR/SUBCONSULTANT

NAME OF BIDDER Eisman & Russo, Inc.

PROJECT TITLE CEI Services for Various Roadway & Bridge Projects Exceeding $2 Million

BID NUMBER P-47-19 TOTAL BASE BID AMOUNT N/A

***Please list all JSEBs**

| NAME OF SUB FIRM | ADDRESS OF FIRM | TYPE OF SUB (if certified) | TYPE OF WORK TO BE PERFORMED | TOTAL CONTRACT VALUE |
|---|---|---|---|---|
| VIA Consulting, Inc. | | JSEB - Women | CEI | 10.00% |
| AE Engineering, Inc. | | JSEB - AA | CEI | 6.00% |
| CSI-Geo, Inc. | | JSEB - AA | Geotechnical/Material Testing | 3.00% |
| R. E. Holland | | JSEB - Non MBE | Survey | 1.00% |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

The undersigned acknowledges and agrees that, if any of the above-listed JSEBs are not, for any reason, properly certified with the City, in accordance with Ordinance 2004-602, at the time of bid opening, the same will not be counted toward meeting the participation percentage goal as defined herein.

The undersigned will enter into a formal Agreement with the JSEB Suppliers/Consultants/Subcontractors identified herein for work listed in this schedule, as well as any applicable alternates, 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: A Mahfoud Title: PRESIDENT Date: 4/27/2020

Print Name: Antonio MAHFOUD

**Attach additional list of subcontractors/sub-consultants as needed**