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.

November 5, 2018

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

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

11/05/18 09:53:53
Procurement Division

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

Ed Starnes, P.E., J.D.
Acting Chief, Engineering and Construction Management

SUBJECT: P-37-16 Construction Engineering and Inspection Services for Coastline Drive and Liberty Street Bridge Replacement Project Amendment 2
PWCP32EVP519-069505-PW0778-01

Multiple unforeseen subsurface conflicts encountered during construction of the bridges' pile foundations have resulted in additional redesigns, geotechnical monitoring and plan revisions which were previously unanticipated. The additional design and geotechnical oversight and CEI services are needed through construction completion to comply with the contract's RFP requirements. Negotiations with GAI Consultants, Inc. have resulted in the attached Scope of Services, Exhibit E and Fee Summary Exhibit F. There is no rate increase associated with this amendment. JSEB goals of 20% continue to be met with this amendment.

Accordingly, this is to recommend that Contract Number 8107-07, originally executed October 20, 2016, between the City and GAI Consultants, Inc. for Construction Engineering and Inspection Services for Coastline Drive and Liberty Street Bridge Replacement be amended to incorporate the attached Scope of Services, Exhibit E and Fee Summary, Exhibit F to increase the not to exceed limit for Construction Engineering and Inspection Services by $891,433.61 to a new limit of $3,188,424.61, thereby increasing the maximum indebtedness to the city by $891,433.61 to a new maximum of $3,188,424.61. All other terms and conditions are as provided in the RFP and the City's standard contract language.

ES/lw

cc: Lori A. West, Engineering Contract Specialist

Attachments: Exhibits E & F
JSEB Participation

ab

SCOPE OF SERVICES- Amendment 2

CLIENT: City of Jacksonville – Department of Public Works

PROJECT: Construction Engineering and Inspection Services for Coastline Drive and Liberty Street Bridge Replacement

CONSULTANT: GAI Consultants, Inc.
1301 Riverplace Blvd., Suite 900
Jacksonville, Florida 32207

GENERAL

The Coastline Drive and Liberty Street Bridge Replacement Project is a Design-Build Project being undertaken by the City of Jacksonville in partnership with the Florida Department of Transportation under a Local Agency Program (LAP) for the complete demolition of the Courthouse parking deck, and reconstruction of Coastline Drive Bridge and the Liberty Street Bridge. GAI Consultants, Inc. and supporting Sub-Consultant services provided by Meskel & Associates Engineering, Inc. (JSEB), C&ES, Inc. (JSEB) and Thomas Diving, collectively known as GAI will be providing Construction Engineering and Inspection Services for this project. The CEI Scope of Services outlined under Section 4.0 of the RFP # P-37-16 will be performed by GAI Consultants, for the City of Jacksonville, also referenced as "City" under the contract for P-37-16.

GAI will provide onsite construction inspection, management and administrative services to verify the quality and quantity of work, but will not override the contractor's means, methods, techniques, sequences, or procedures of the construction selected by the contractor(s) or the safety precautions and programs incidental to the work of the contractor(s). GAI's efforts will also be directed toward assisting in the interpretation of the prepared drawings and specifications, shop drawing review, assistance in the resolution of field problems or questions, and determining whether the completed project will conform to the contract documents GAI will continually verify the project is compliance with the procedures outlined in the LAP Agreement between FDOT and the City and the project's overall compliance with the contract documents.

INSPECTION REQUIREMENTS

The scope of the inspection for the remaining work includes, but is not limited to the following: maintenance of traffic; control and abatement of erosion and water pollution; parking deck demolition; grading, excavation and embankment, construction of roadway widening of Courthouse Drive, driving of over 110, 24-inch prestressed concrete piles for both Coastline Drive and Liberty Street bridges , reinforced steel , concrete deck pours, barrier wall pours, signing and pavement markings and other incidental construction. Verification of the submerged bridge foundations will be verified utilizing certified divers and inspection logs reviewed by their Principal. All required certifications will be maintained by onsite personnel as outlined in the City's RFP's Scope of Services Section 4.0.

Exhibit 'E'

ADMINISTRATION REQUIREMENTS

GAI shall oversee the daily administration of the contract, which includes but is not limited to verifying Equal Employment Opportunity (EEO Compliance by documenting daily work efforts including contractors personnel, conduction routine employee interviews, submitting interviews to FDOT, reviewing and verifying all materials meet the contract requirements, reviewing 90%, 100%, and Released For Construction plans for constructability and overall compliance with the Design-Build RFP and applicable contract documents, data entry into FDOT's MAC program for samples taken, verifying contractor's quality control test results, resolving FDOT's monthly comments concerning in MAC sample results.

Other activities include verifying pile driving activities by reviewing the pile driving logs, dry run logs and concrete depths for bridge deck pours, entering required documents in FDOT's LAPIT. Meskel Engineering will perform verification analysis for each bent for the WEAP analysis submitted by the Design-Build Team and review the certification package for each bent. GAI will monitor all RFIs, RFCs and RFMs, coordinate with the City, provide monthly aerials to document progress, verify key survey data and as-built bridge elevations, review change orders and assist the City in any Dispute Resolution meetings and contractor's request for equitable payment for additional work. GAI will also facilitate bi-weekly progress meetings and pre-work meetings. GAI will also assist in coordinating with adjacent projects and affected third parties while resolving onsite issues with the contractor's daily operations.

GAI shall review the contractor's monthly CPM Schedule for overall compliance and forward a copy to the City.

NPDES Inspections – Immediately following each rainfall event of ½" or greater, the inspector will visit the site, inspect all erosion/sedimentation control measures, direct the contractor to repair or replace damaged erosion/sedimentation controls and verify that the required work is done in accordance with the NPDES/permit requirements.

Authority – The City gives GAI the authority to require the contractor to correct all work not in compliance with the approved plans and/or City requirements. If the contractor refuses or fails to take the required corrective action, GAI shall immediately notify the City.

Testing – GAI's qualified field representatives will be responsible for selecting locations for verification of concrete plastic and compressive strength, compaction and density testing and verifying that all required Contractor's Quality Control testing is performed in accordance with City's requirements/specifications for locations and frequency. Field verification samples will be collected by GAI. Laboratory Verification Samples will be tested by Meskel at an accredited lab and by qualified personnel, as required to meet the LAP requirements. Random samples will be collected for all materials outlined in

FDOT's Material Acquisition and Certification program and submitted to the FDOT's State Materials Office (SMO) as required.

The construction contractor is expected to provide his own quality assurance testing and will be independent of the services provided herein.

All inspection and testing requirements shall apply at all times while construction operations are being performed including weekends and holidays.

Inspector Logs – GAI and its subconsultants' onsite inspector shall maintain an inspection log throughout the duration of construction. This log shall include but not be limited to the following:

- Location and description of construction operations taking place at time of site visit
- Specific information regarding inspection/acceptance of project materials
- Information on construction problems and directions given to the contractor to resolve the problems
- Summaries of contractor's personnel and equipment

On days where there is no construction or no construction requiring inspection, the daily log should note either that there was no activity or list the operations that were taking place (per the contractor) and state "No inspection required". Copies of the Inspector Log shall be uploaded into LAPIT. A copy of all documents will be provided to the City.

Shop drawings – Upon receipt of shop drawing from the contractor, GAI shall forward the Contract's shop drawing review for each component requiring shop drawings. GAI shall coordinate with the Engineer of Record in the shop drawing review process. GAI will coordinate the review and strive to return shop drawings within the allowable timeframe or less to the contractor. Final approved shop drawings shall be submitted to the City to be RFC'ed after all comments are resolved.

As-builts – GAI shall review as-builts drawings. Drawings that do not meet the requirements outlined in the Contract Documents will be returned to the Contractor for correction. Final as-built drawings shall be submitted to the City for concurrence and acceptance.

Contractor Pay Requests and Change Orders – GAI's staff will assist the City's Project Manager as-needed with evaluating the contractor's pay request. GAI will assist the City's Project Manager as necessary in processing of the pay request and processing of any Contractor change order requests on the project.

Substantial Completion – The City shall be notified in advance of the substantial completion inspection to allow the City's various Departments time to make arrangements to participate.

Exhibit 'E'

Following the Substantial Completion inspection, a copy of the punch list of items to be completed along with a list of the persons attending the inspection shall be e-mailed to each of the above agencies.

Final Documentation – Prior to the City's acceptance of the project, GAI will turn over the following documents:

- Original Inspector's Logs
- All test reports for the project (including those tests that failed and were retested)
- All approved shop drawings
- Certification stating that the materials and construction that were inspected by the GAI's qualified individual, that all inspection services were provided as outlined in the scope of services, that construction has been completed in substantial conformance with the approved plans, and that the as-built drawings have been reviewed and meet the City's requirements. This certification is to be signed and sealed by GAI's Senior Project Engineer based upon the scope of the services.

Schedule

GAI will provide, as needed, the above described services during construction, and closeout of the project. Substantial completion for the construction contract is currently estimated to be July 2019 with Final Completion by September 2019, per the contractor's August 2018 CPM Schedule.

No additional compensation will be provided by GAI in the event the construction goes beyond September 2019 unless authorized by the City.

Method of Compensation

Payment will be made in accordance with the City's original contract. No changes will be made to the original contract and terms of payment unless mutually agreed to by the City and GAI.

Exclusions from Scope of Service

The Contractor shall be responsible for his Quality Control Inspection efforts required by the construction contract.

Additional Services

Additional services may be added to this contract during the course of work based on negotiated fees. These respective fees shall be determined jointly by the City's staff and GAI. No work shall be undertaken on any additional service tasks without the written authorization of the City.

Exhibit 'E'

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION **EXHIBIT F**
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project CEI Services for Coastline Drive & Liberty St. Replacement	2. Proposal Number P-37-16 9366-02
3. Name of Consultant GAI Consultants, Inc.	4. Date of Proposal 09/17/18

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Design Liaison	$71.19	0	$0.00	
Senior Project Engineer	$71.19	0.0	$0.00	
Asst. Project Administrator	$38.29	0	$0.00	
Contract Support Specialist	$22.28	0	$0.00	
Sr. Bridge Inspector	$37.10	0	$0.00	
Sr. Bridge Inspector Overtime	$18.55	0	$0.00	
Sr. Roadway Inspector	$34.19	0	$0.00	
Sr. Roadway Inspector Overtime	$17.10	0	$0.00	
Roadway Inspector	$25.46			
Roadway Inspector Overtime	$12.73			
Man Survey Crew	$79.04			
Surveyor/Mapper	$58.62			
TOTAL DIRECT LABOR		0	Hours	$0.00
6. Overhead (Combined Fringe Benefit & Administrative)			172.94%	$0.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$0.00
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$0.00

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)	$	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$0.00
11. REIMBURSABLE COSTS (Limiting Amount)		
GAI Consultants, Inc.	$ 534,579.40	
C&ES, Inc.	$ 69,877.50	
Meskel & Associates, Inc.	$ 58,347.53	
CH2M Hill	$ 228,629.18	
	$	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$891,433.61

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #6 (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$891,433.61**
12. PRIOR CONTRACT AMOUNT (Through Amendment # 1)	$2,296,991.00
AMENDED AMOUNT OF CONTRACT	**$3,188,424.61**

EBO FORM 1
SCHEDULE OF SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Name of Proposer: **GAI Consultants, Inc.**

Project Title: **Coastline Drive and Liberty Street Bridge Replacement**

Proposal Number: **P-37-16** Total Base Proposal Amount (if applicable): **$891,434**

***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
C&ES, Inc.	African-American	Construction Engineering and Inspection	**$69,877.50**
CSI Geo, Inc.	African-American	Geotechnical Design Review	**$54,189.73**
Meskel and Associates Engineering	Woman-Owned	Construction Engineering, Inspection and Testing	**$58,347.53**
CH2MHill	Non-MBE	Design Review Services	**$159,544.64**
STV	Non-MBE	Design Review Services	**$14,894.80**

Attach additional list of subcontractors/sub-consultants as needed

CONSULTANT/SUBCONTRACTOR/SUPPLIER TOTAL VALUES	
African-American Participation Total	**$124,067.23**
Hispanic-American Participation Total	
Native-American Participation Total	
Asian-American Participation Total	
Woman Participation Total	**$58,347.53**
Non-MBE Participation Total	**$174,439.44**

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: [signature] Title: Vice President Date: 10/26/2018

Print Name: Kevin Leadbetter

C&ES
CONSULTANTS, INC.

Change Order Request

Coastline Drive and Liberty Street Replacement – CEI Services

Construction and Engineering Service Consultants, Inc.

Change Order Request #2

October 26, 2018

Reason for additional inspection engineering services:

1. The Contractor has discovered unforeseen subsurface obstructions that have caused additional construction work requiring additional inspection time by the Sr. Bridge Inspector.

The estimated additional work is:

Sr. Bridge Inspector	660 Hours	$105.875	$69,877.50

Submitted By:

Construction and Engineering Service Consultants, Inc.

Stephen Manis, P.E.

9432 Baymeadows Road, Suite 100
Jacksonville, Florida 32256
Phone: (904) 652-1186
Fax: (904) 652-1191
www.candesconsults.com
CA27598

Meskel & Associates Engineering
Geotechnical ▾ Environmental ▾ Inspection ▾ Testing

October 26, 2018

Mr. Andre Sutherland, P.E.
GAI Consultants, Inc.
1301 Riverplace Blvd, Suite 900
Jacksonville, Florida 32207

Subject: Scope and Fee Schedule for CEI Services – Amendment #2
Coastline Drive and Liberty Street Replacement
Jacksonville, Florida
MAE Project No. 0019-0004

Dear Andre:

Please see our attached Scope and Fee schedule for the Coastline Drive and Liberty Street Replacement project. This amendment was prepared due to the additional work for the project including pile installation restrikes needed, redesign and other unforeseen issues that have impacted the project, such as the subsurface obstructions encountered.

Please let me know if you have any questions. Thank you for the continued opportunity to work with GAI on this important community project!

Sincerely,
MESKEL & ASSOCIATES ENGINEERING, PLLC

P. Rodney Mank, P.E.
Principal Engineer

Antoinette (Tina) D. Meskel, P.E.
Principal Engineer

cc: File

8936 Western Way, Suite 12, Jacksonville, Florida 32256
p. 904.519.6990
www.MeskelEngineering.com

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project CEI Services for Coastline Drive and Liberty Street Replacement	2. Proposal Number P-37-16
3. Name of Consultant MESKEL & ASSOCIATES ENGINEERING (JSEB Subconsultant)	4. Date of Proposal 10/25/2018

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Chief Engineer- MESKEL (JSEB)	$44.43	99	$4,398.57	
Senior Pile Inspector-MESKEL (JSEB)	$28.00	454	$12,705.00	
Senior Pile Inspector OT-MESKEL	$14.00	41.3	$577.50	
			$0.00	
			$0.00	
			$0.00	
			$0.00	
			$0.00	
			$0.00	
			$0.00	
			$0.00	
			$0.00	
TOTAL DIRECT LABOR		594	Hours	$17,681.07
6. Overhead (Combined Fringe Benefit & Administrative)			200.00%	$35,362.14
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$53,043.21
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$5,304.32

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
	$	
	$	
	$	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$58,347.53
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #2 (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$58,347.53**
12. PRIOR CONTRACT AMOUNT	$126,822.86
AMENDED AMOUNT OF CONTRACT	**$185,170.39**

EXHIBIT A

Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JIM BOXOLD
SECRETARY

July 6, 2016

Anoinette Meskel, President
MESKEL & ASSOCIATES ENGINEERING, PLLC
8936 Western Way, Suite 12
Jacksonville, Florida 32256

Dear Ms. Meskel:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to qualify 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

Group 10 - Construction Engineering Inspection

- 10.3 - Construction Materials Inspection

Your overhead audit has been accepted, enabling your firm to compete for Professional Services projects advertised at the unlimited level, with estimated fees of any dollar amount. This status shall be valid until June 30, 2017 for contracting purposes.

	Home/Branch Office	Facilities Capital Cost of Money	Overtime Premium	Direct Expense	Published Fee Schedule
Indirect Cost	247.33%	0.737%	Reimbursed	0.55% (Home)	Yes

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
Professional Services
Qualification Administrator

West, Lori

From: Kent, Duane <RKent@coj.net>
Sent: Thursday, September 22, 2016 1:00 PM
To: Andre Sutherland
Cc: Fallin, Thomas
Subject: RE: Coastline Liberty CEI

Andre,

Thank for getting on this so quickly!

Duane

From: Andre Sutherland [mailto:A.Sutherland@gaiconsultants.com]
Sent: Thursday, September 22, 2016 12:12 PM
To: Kent, Duane
Cc: Fallin, Thomas
Subject: RE: Coastline Liberty CEI

Please see the attached documents that were requested. After speaking with Tina Meskel, she indicated the FDOT audited overhead is above 200% due to the heavy equipment, lab and other special test equipment, etc. utilized for materials testing. She also noted Meskel's requested overhead rate of 200% for the Coastline Drive Project is below FDOT's audited overhead rate and is the same rate structure used on similar contracts with the City. A copy of the other contracts have also been provided.

Tina offered to answer any questions directly if needed. Her mobile number is (904) 945-2580.
Let us know if anything else is needed and we'll get it to you as soon as possible.

Andre Sutherland, P.E.
Senior Project Engineer

GAI Consultants
6983 103rd Street, Unit 5, Jacksonville, FL 32210
D 904.559.8081 | M 904.446.0262 | gaiconsultants.com |

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From: Andre Sutherland
Sent: Thursday, September 22, 2016 11:15 AM
To: 'Kent, Duane' <RKent@coj.net>
Cc: Fallin, Thomas <ThomasF@coj.net>
Subject: RE: Coastline Liberty CEI

I just spoke with Tina Meskel; the requested information should be available in about an hour.

Andre Sutherland, P.E.
Senior Project Engineer

GAI Consultants
6983 103rd Street, Unit 5, Jacksonville, FL 32210
D 904.559.8081 | **M** 904.446.0262 | gaiconsultants.com |

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From: Kent, Duane [mailto:RKent@coj.net]
Sent: Thursday, September 22, 2016 10:51 AM
To: Andre Sutherland <A.Sutherland@gaiconsultants.com>
Cc: Fallin, Thomas <ThomasF@coj.net>
Subject: Coastline Liberty CEI

Andre,

At PSEC this morning the board requested copies of the FDOT audited overhead for Meskel. Their rates are higher than our typical maximum.

Thank-you,
Duane

Duane Kent, P.E.
Engineering & Construction Management Division
214 N. Hogan Street
Jacksonville, FL 32202
(904)255-8910
RKent@coj.net

CH2M
245 RIVERSIDE AVENUE
SUITE 300
JACKSONVILLE, FL 32202
TEL 904.733.9119
Fax 904.733.9570

September 13, 2018

Mr. Andre Sutherland
GAI Consultants
6983 103 rd Street, Unit 5
Jacksonville, Florida 32210

Re: Coastline Dr. and Liberty St. Bridge Replacements
Owners Representative
COJ P-37-16

Dear Mr. Sutherland,

CH2M is pleased to submit this proposal for engineering services related to the Coastline Dr. and Liberty St. bridge replacements. The attachments for the proposal include:

Attachment A – Scope of Work
Attachment B – Fee Summary
GAI Subconsultant Agreement with CH2MHILL review comments

This proposal shall remain valid for 60 days.

If you have any questions, please do not hesitate to call. Office 904.527.5908, cell 904.616.4016.

Sincerely,

Randy Mock, P.E.
Project Manager, CH2M

Mike Dykes, P.E.
Vice President

Attachmentsxc: File

ATTACHMENT A
SCOPE OF SERVICES
OWNER's REPRESENTATIVE for
COASTLINE DR. and LIBERTY ST. BRIDGE REPLACEMENTS

1.0 PURPOSE:

This Scope is for the SUBCONSULTANT to furnish Assistance during Construction as required for the Coastline Dr. and Liberty St. Bridge Replacement project (COJ P-37-16). Design and Construction are being provided by the Design-Build Firm (DBF). The SUBCONSULTANT will serve as Owner's Representative, representing the City of Jacksonville (COJ), Florida. This is a continuation of services, subsequent to the SUBCONSULTANT's existing contract with FDOT on the Coastline Dr. Bridge and Liberty St. Bridge project (FDOT Contract C9A42,). The SUBCONSULTANT is not responsible or liable for services provided by the DBF.

2.0 SERVICES TO BE PROVIDED BY THE SUBCONSULTANT AS DIRECTED BY GAI:

A. **Project Management, Coordination & Project Administration:** Project Management, Coordination and Project Administration includes time for the Consultant to setup and maintain project files, communications, invoicing and provide administrative and general project management coordination services with FDOT, GAI, CSI GEO, City of Jacksonville, staff and construction stakeholders as appropriate.

B. **Meetings:** The SUBCONSULTANT and appropriate staff will attend meetings throughout the duration of construction. Scheduled meetings are biweekly (every other week) progress meetings. Assumed other meetings are: 4 un-planned meetings, 4 un-planned site visits, 1 Final Inspection for Coastline Dr. and 1 Final Inspection for Liberty St.

C. **Request for Information (RFI) Reviews**: Includes oversite reviews of the DBF's responses to Requests for Information (RFI's)

D. **Plan Reviews**: Review of and comments on design Plans and Calculations, prepared by the DBF.

E. **Foundation Reviews:** Oversite reviews of and comments on Foundation Certifications.

F. **Plan Revisions**: Oversite reviews of and comments on Plans Revisions.

G. **Shop Drawing Review**: Oversite review of and comments on shop drawings and other submittals.

3.0 SCHEDULE:

Estimated duration of services, is from October 1, 2018 through December 31, 2019. If services are needed beyond this period an amendment will be issued to provide additional time.

4.0 DELIVERABLES:

Deliverables will be such items as: responses, review comments and correspondences.

5.0 SUBCONSULTANTS

CSI GEO Inc. and STV Inc. will serve as subconsulants to the SUBCONSULTANT. i.g Second Tier. Scope of Service for CSI GEO and STV are provided within their respective proposals.

6.0 Summary of Fees:

For a summary of method of payment and fees, see Exhibit "B" attached hereto and made a part hereof.
The Limiting Amount Fee is $ 228,629.18
The fee shown in Exhibit "B" is an estimate that shows how the funds may be spent. Actual charges, depending on the services requested in the scope above, may vary. If the funds are exhausted prior to the project completion date, an amendment will be issued to provide additional funding.

ATTACHMENT B
CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Coastline Dr & Liberty St. Bridge Replacements Owners Representative	2. Proposal Number P-37-16
3. Name of Consultant CH2MHILL	4. Date of Proposal 9/13/2018

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$0.00	0	$0.00	
Project Manager	$68.90	0	$0.00	
Chief Engineer	$75.89	373	$28,306.97	
Senior Engineer	$64.06	340	$21,780.40	
Project Engineer	$45.19	0	$0.00	
Engineer	$33.02	0	$0.00	
Senior Specialist	$0.00	0	$0.00	
Specialist	$45.16	0	$0.00	
Designer	$0.00	0	$0.00	
Contract Coordinator	$34.21	0	$0.00	
Secretary/Clerical	$21.60	80	$1,728.00	
Senior Engr.Tech.	$31.15	28	$872.20	
Technician Aide	$0.00	0	$0.00	
TOTAL DIRECT LABOR		821	Hours	$52,687.57
6. Overhead (Combined Fringe Benefit & Administrative)			175%	$92,203.25
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$144,890.82
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$14,489.08

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
	$	
	$	
	$	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		
11. REIMBURSABLE COSTS (Limiting Amount)		
CH2MHILL TOTAL (5, 6, 8, 9 & 10)	$ 0.00	$159,379.90
CH2MHILLExpenses	$ 0.00	$164.75
Geotech/CSI GEO	$ 0.00	$54,189.73
STV	$ 0.00	$14,894.80
SUB-TOTAL REIMBURSABLES		**$228,629.18**

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$228,629.18**
12. PRIOR CONTRACT AMOUNT (Through Amendment #X)	$0.00
AMENDED AMOUNT OF CONTRACT	**$228,629.18**

Coastline Dr. & Liberty St. Bridge Replacements
Owners Representative

9/13/2018 P-37-16

CH2MHILL
EXPENSES

		Trips					
		No. of	Miles Ea	Total Miles		Unit cost	Cost
Mileage	Site	37	5	185			
	COJ	4	5	20			
	FDOT	0	160	0			
				205		$0.55	$112.75
		Size	No. of				
Copies		8.5"x11"	200			$0.11	$22.00
		11"x17"	200			$0.15	$30.00
						TOTAL	$164.75

Staffhour Estimate — Date: 9/13/2018

Coastline Drive and Liberty Street Bridge Replacements — COJ RFP P-37-16

CH2MHILL

Estimated effort to complete services, COJ Representative, as Subconsultant to GAI

Estimated remaining project duration — Months 15 — Weeks 65

	Total	Remaining	Unit	No. of Units	Hrs/Unit	Hours	Comments
Design reviews							
Coastline Dr			EA	0	0	0	
Liberty Street 100%			EA	1	32	32	
Liberty Street RCF			EA	1	3	3	
Test Piles							
Coastline Dr	5	3	EA	3	4	12	
Liberty St.	4	4	EA	4	4	16	
Foundation Certifications							
Coastline Dr	8	7	EA	7	4	28	
Liberty St.	10	10	EA	10	4	40	
Shop Drawings & Submittals							
Coastline Dr.							
FSBs	1	0	EA	0	8	0	Previously completed
Piles	1	0	EA	0	4	0	Previously completed
Bearings	1	0	EA	0	4	0	Previously completed
Precast Curtain Wall	1	0	EA	0	4	0	Previously completed
Railing	1	1	EA	1	4	4	
Gates	1	1	EA	1	4	4	
Bearings	1	0	EA	0	0	0	Previously completed
Mooring Hardware	1	0	EA	0	0	0	Previously completed
Sheet Piling	1	0	EA	0	0	0	Previously completed
Grating	NA	NA	EA	0	0	0	
Coatings	NA	NA	EA	0	0	0	
Concrete Mixes	4	2	EA	2	4	8	
Grouts	1	1	EA	1	2	2	
Electrical	1	1	EA	1	2	2	
Landscape	1	1	EA	1	2	2	
Asphalt	1	1	EA	1	2	2	
Striping	1	1	EA	1	2	2	
Expansion Joints	1	1	EA	1	2	2	
Other 1	1	1	EA	1	4	4	
Other 2	1	1	EA	1	4	4	
Liberty Street							
FSBs	1	1	EA	1	6	6	
Piles	1	1	EA	1	2	2	
Bearings	1	1	EA	1	2	2	
Precast Curtain Wall	1	1	EA	1	6	6	
Railing	1	1	EA	1	4	4	
Gates	NA	NA				0	
Bearings	1	1	EA	1	2	2	
Mooring Hardware	NA	NA	EA			0	
Sheet Piling	1	1	EA	1	2	2	
Grating	1	1	EA	1	2	2	
Coatings	NA	NA	EA			0	
Concrete Mixes	4	4	EA	4	1	4	
Grouts	1	1	EA	1	2	2	
Electrical	1	1	EA	1	2	2	
Landscape	1	1	EA	1	2	2	
Asphalt	1	1	EA	1	2	2	
Striping	1	1	EA	1	2	2	
Expansion Joints	1	1	EA	1	2	2	
Other 1	1	1	EA	1	4	4	
Other 2	1	1	EA	1	4	4	
Requests for Information (RFI)							
Coastline Dr.		20	EA	20	3	60	
Liberty St.		20	EA	20	3	60	
As-Built Load Rating							
Coastline Dr.	1	1	EA	1	6	6	
Liberty St.	1	1	EA	1	6	6	
Meetings							
Bi-Weekly Progress meetings			EA	33	3	99	
Un-Planned meetings	8	8	EA	8	4	32	
Final / Close-out							
Coastline Dr.	1	1	EA	1	6	6	
Liberty Street	1	1	EA	1	6	6	
COJ Communication & coordination		65	Week	65	2	130	
FDOT communication & coordination		65	Week	65	2	130	
Administration	Initial		EA	1	24	24	
Administration	Monthly	15	Month	15	3	45	
						821	

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Coastline Drive and Liberty Street Bridge Replacement	2. Proposal Number P-37-16
3. Name of Consultant CSI Geo, Inc.	4. Date of Proposal 9/12/2018

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$0.00	0	$0.00	
Project Manager	$67.23	162	$10,891.26	
Senior Engineer	$0.00	0	$0.00	
Project Engineer	$43.35	162	$7,022.70	
Engineer	$0.00	0	$0.00	
Senior Specialist	$0.00	0	$0.00	
Specialist	$0.00	0	$0.00	
Designer	$0.00	0	$0.00	
CADD/Computer Tech	$0.00	0	$0.00	
Secretary/Clerical	$0.00	0	$0.00	
Senior Tech Aide	$0.00	0	$0.00	
Technician Aide	$0.00	0	$0.00	
TOTAL DIRECT LABOR		324	Hours	$17,913.96
6. Overhead (Combined Fringe Benefit & Administrative)			175%	$31,349.43
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$49,263.39
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$4,926.34

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs	$ $ $ $	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)	$ $	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$0.00
11. REIMBURSABLE COSTS (Limiting Amount)	$ 54,189.73 $ 0.00 $ 0.00 $ 0.00	
SUB-TOTAL REIMBURSABLES		$54,189.73

PART IV - SUMMARY	
TOTAL AMOUNT OF AMENDMENT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$54,189.73**
12. PRIOR CONTRACT AMOUNT (Through Amendment #X)	
AMENDED AMOUNT OF CONTRACT	**$54,189.73**

CSIGeo
Geotechnical · CMT · CEI

September 12, 2018

Mr. Bryon Russell, P.E.
CH2M
245 Riverside Avenue, Suite 300
Jacksonville, FL 32202

Re: Coastline Drive and Liberty Street Bridge Replacements
P-37-16
Duval County, Florida

Dear Mr. Russell:

Please find attached the fee summary for geotechnical post design services related to the Coastline Drive and Liberty Street Bridge Replacements (P-37-16). The tasks included in the summary include review of the following expected geotechnical related submittals and shop drawings through end of construction:

Review of 100% Liberty Street Geotechnical Report and provide electronic review comments

- Review Bridge Foundation Design Recommendations
- Review Pile Data Table, Test Pile and Production Pile Installation Requirements
- Review Pile Capacity Analysis and Outputs
- Review Geotechnical Soil Parameters used in Foundation Design
- Review of Revised Report Submittals to include Response to Comments

Coastline Drive Test Piles (3 Test Piles Remaining)

- Review of Production Pile Certification Letter
- Review of Pile Driving Procedures and Criteria
- Review of Pile Driving Analyzer (PDA) Test Results
- Review of Test Pile Driving Logs

Liberty Street Test Piles (4 Test Piles Remaining)

- Review of Production Pile Certification Letter
- Review of Pile Driving Procedures and Criteria
- Review of Pile Driving Analyzer (PDA) Test Results
- Review of Test Pile Driving Logs

Review of Coastline Drive Production Pile Logs and Submittals (8 Bents and associated submittals remaining)

- Review of Production Pile Driving Logs
- Review of Production Pile Testing (CAPWAP, PDI Plots, PDA Data, GRL WEAP, etc.)
- Review of Foundation Certification letter

Review of Liberty Street Production Pile Logs and Submittals
(10 Bents and associated submittals remaining)

- Review of Production Pile Driving Logs
- Review of Production Pile Testing (CAPWAP, PDI Plots, PDA Data, GRL WEAP, etc.)
- Review of Foundation Certification letter

Review of RFI Submittals Coastline Drive (8 Bents)

- Review and comment on RFI submittals

Review of RFI Submittals Liberty Street (10 Bents)

- Review and comment on RFI submittals

Our geotechnical services are estimated to cost **$54,189.73**.

We appreciate your selection of CSI Geo, Inc. for these services and look forward to serving you as your geotechnical consultant on this and other future projects. If you have any questions, please do not hesitate to call.

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Geotechnical Cost Estimate
Coastline Drive and Liberty Street Bridge Replacements
P-37-16
Duval County, Florida

2394 St. Johns Bluff Road, Ste 200
Jacksonville, Florida 32246
tel (904) 641-1993
fax (904) 645-0057

Geotechnical Item	Unit	Number of Units	Cost / Unit	Estimated Cost
Geotechnical Post Design Engineering/Support Services				
Review of 100% Liberty Street Geotechnical Report and provide electronic review comments				
Review Bridge Foundation Design Recommendations				
Review Pile Data Table, Test Pile and Production Pile Installation Requirements				
Review Pile Capacity Analysis and Outputs				
Review Geotechnical Soil Parameters used in Foundation Design				
Review of Revised Report Submittals to include Response to Comments				
Project Manager	hr.	2	$67.23 /hr.	$134.46
Project Engineer	hr.	2	$43.35 /hr.	$86.70
Subtotal Direct Labor:				**$221.16**
Coastline Drive Test Piles (3 Test Piles Remaining)				
Review of Test Pile Driving Logs				
Review of Pile Driving Analyzer (PDA) Test Results				
Review of Pile Driving Procedures and Criteria letter				
Review of Production Pile Certification Letter				
Project Manager	hr.	8	$67.23 /hr.	$537.84
Project Engineer	hr.	8	$43.35 /hr.	$346.80
Subtotal Direct Labor:				**$884.64**
Liberty Street Test Piles (4 Test Piles Remaining)				
Review of Test Pile Driving Logs				
Review of Pile Driving Analyzer (PDA) Test Results				
Review of Pile Driving Procedures and Criteria letter				
Review of Production Pile Certification Letter				
Project Manager	hr.	18	$67.23 /hr.	$1,210.14
Project Engineer	hr.	18	$43.35 /hr.	$780.30
Subtotal Direct Labor:				**$1,990.44**
Review of Coastline Drive Production Pile Logs and Submittals (8 Bents and associated submittals remaining)				
Review of Production Pile Driving Logs				
Review of Production Pile Testing (CAPWAP, PDI Plots, PDA Data, GRL WEAP, etc.)				
Review of Foundation Certification letters				
Project Manager	hr.	56	$67.23 /hr.	$3,764.88
Project Engineer	hr.	56	$43.35 /hr.	$2,427.60
Subtotal Direct Labor:				**$6,192.48**
Review of Liberty Street Production Pile Logs and Submittals (10 Bents and associated submittals remaining)				
Review of Production Pile Driving Logs				
Review of Production Pile Testing (CAPWAP, PDI Plots, PDA Data, GRL WEAP, etc.)				
Review of Foundation Certification letters				
Project Manager	hr.	70	$67.23 /hr.	$4,706.10
Project Engineer	hr.	70	$43.35 /hr.	$3,034.50
Subtotal Direct Labor:				**$7,740.60**
Review of RFI Submittals Coastline Drive (8 Bents)				
Review and comment on RFI submittals				
Project Manager	hr.	3	$67.23 /hr.	$201.69
Project Engineer	hr.	3	$43.35 /hr.	$130.05
Subtotal Direct Labor:				**$331.74**
Review of RFI Submittals Liberty Street (10 Bents)				
Review and comment on RFI submittals				
Project Manager	hr.	5	$67.23 /hr.	$336.15
Project Engineer	hr.	5	$43.35 /hr.	$216.75
Subtotal Direct Labor:				**$552.90**

TOTAL DIRECT LABOR:		$17,913.96
OVERHEAD:	175%	$31,349.43
SUBTOTAL: Labor + Overhead		$49,263.39
PROFIT: Labor Related Costs:	10%	$4,926.34
Engineering/Support Services (Labor + Overhead + Profit):		**$54,189.73**

Scope of Services – STV Incorporated

City of Jacksonville
Coastline Dr./Liberty St. Construction Phase Services

PURPOSE:

The Consultant has been retained by the City for the review of contract plans, specifications, and other construction submittals prepared by the Design-Build Firm for the Coastline Dr./Liberty St. Bridge Replacement project in downtown Jacksonville, FL.

WORK ACTIVITIES TO BE PERFORMED:

Construction Phase Services

The CONSULTANT shall perform the following construction phase services for the Design-Build (D-B) project described above:

- Review and provide comments on Roadway, Structures and other Component Plans and associated design documentation
- Review Requests for Information (RFIs), Requests for Modification (RFMs), and other construction submittals for conformance with Contract Documents

Contract Management

The CONSULTANT requires effort to set up this task in its financial program; develop a specific work plan for this task; and invoice.

DELIVERABLES:

- None

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: Liberty Street Bridge over St. Johns River
County: Duval
FPN: 422940-2-22-01
FAP No.: N/A

Consultant Name: STV Incorporated
Consultant No.: 4017845
Date: 8/6/18
Estimator: Terry T. Hall, Jr.

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Principal	Chief Engineer	Senior Engineer	Design Engineer	Designer	CADD Operator	Engineering Intern	Clerical				SH By Activity	Salary Cost By Activity	Average Rate Per Task
		$63.87	$98.04	$76.12	$56.20	$41.33	$40.66	$26.93	$29.49	$20.45	$0.00	$0.00	$0.00			
3. Project General and Project Common Tasks	96	9	0	10	38	24	0	5	5	5	0	0	0	96	$4,924	$51.29
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)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	$0	#DIV/0!
Total Staff Hours	96	9	0	10	38	24	0	5	5	5	0	0	0	96		
Total Staff Cost		$574.83	$0.00	$761.20	$2,211.60	$991.92	$0.00	$134.65	$147.45	$102.25	$0.00	$0.00	$0.00		**$4,923.90**	**$51.29**

Check = $4,923.90

SALARY RELATED COSTS:				$4,923.90
OVERHEAD:		175.00%		$8,616.83
PROFIT:		10%		$1,354.07
SUBTOTAL ESTIMATED FEE:				**$14,894.80**
Survey (Field)	0	4-man crew d: $ -	/ day	$0.00
Geotechnical Field and Lab Testing				$0.00
SUBTOTAL ESTIMATED FEE:				**$14,894.80**
Optional Services				$0.00
GRAND TOTAL ESTIMATED FEE:				**$14,894.80**

Project Activity 3: General Tasks

Estimator:

Liberty Street Bridge over St. Johns River
422940-2-22-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Prepare Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
				3.1 Public Involvement Subtotal	**0**	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	
3.4	Contract Maintenance and EDMS	LS	1	0	0	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	0	0	

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	96	96	Contract Management (12 hrs.); Plans Review: Roadway Plans (20 hrs.), Structures Plans (24 hrs.), Construction Submittal Review - RFI/RFM/Shop Drawings (40 hrs.)
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.12	Other Project General Tasks	LS	1	0	0	
	3. Project Common and Project General Tasks Total				**96**	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	
Drainage	EA	0	0	0	
Utilities	EA	0	0	0	
Environmental	EA	0	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LiDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
Total Project Manager Meetings		0		0	Total PM Meeting Hours carries to Task 3.6 above

Notes:

1. **If the hours per meeting vary in length (hours) enter the average in the hour/unit column.**
2. **Do not double count agency meetings between permitting agencies.**

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments

3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project	2. Proposal Number
CEI Services for Coastline Drive and Liberty Street Replacement	P-37-16
3. Name of Consultant	**4. Date of Proposal**
GAI Consultants, Inc.	9/17/2018

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Design Liaison- GAI	$71.19	0	$0.00	
Senior Project Engineer- GAI	$71.19	577.5	$41,110.14	
Asst. Project Administrator- GAI	$38.29	1072.5	$41,064.89	
Contract Support Specialist-GAI	$22.28	1072.5	$23,894.12	
Sr. Bridge Inspector- GAI	$37.10	1270.5	$47,135.13	
Sr. Bridge Inspector Overtime- GAI	$18.55	115.5	$2,142.51	
Sr. Roadway Inspector-GAI	$34.19	0	$0.00	
Sr. Roadway Inspector Overtime- GAI	$17.10	0	$0.00	
Roadway Inspector- GAI	$25.46	726	$18,485.12	
Roadway Inspector OT- GAI	$12.73	66.0	$840.23	
3 Man Survey Crew- GAI	$79.04	33.0	$2,608.32	
Sr. Surveyor/Mapper- GAI	$58.62	13	$773.78	
TOTAL DIRECT LABOR		4,901	Hours	$178,054.25
6. Overhead (Combined Fringe Benefit & Administrative)			172.94%	$307,927.02
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$485,981.27
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$48,598.13

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
	$	
	$	
	$	
	$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
	$	
	$	
SUB-CONTRACT SUB-TOTAL		$0.00
TOTAL REIMBURSABLE AMOUNT (Items 5, 6, 8, 9 and 10)		$534,579.40
11. REIMBURSABLE COSTS (Limiting Amount)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$ 0.00	
SUB-TOTAL REIMBURSABLES		$0.00

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #2 (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$534,579.40**

GAI Hours

~~EXHIBIT~~ G