City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
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ONE CITY. ONE JACKSONVILLE.

June 19, 2019

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

06/19/19 14:43:47
Procurement Division

THRU: John P. Pappas, P.E.
Director of Public Works

FROM: Thomas H. Goldsbury, P.E., C.B.O., Chief
Building Inspection Division

SUBJECT: P-14-17 Professional Design Services for Jacksonville Beach Pier – Review/Design Amendment 4 Contract Administration Services

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Final design is completed and the project is out for bid. The City has met with the consultant and negotiated a fee and scope for Contract Administration Services, which we believe, is fair and equitable.

Accordingly, this is to recommend that Contract 3140-33 with RS&H for Professional Design Services for Jacksonville Beach Pier Review and Design be amended to include the attached Scope of Services for Contract Administraion, identified as Exhibit "A-3" and Fee Schedule identified as Exhibit "B-3"; to include a Lump sum amount for Project Management, Pre-Construction Support and Construction support Services of $97,283.84, to include a not-to-exceed amount of $532,931.58 for Construction and Engineering Inspection; to include a not-to-exceed amount of $19,105.75 for approved Additional Tasks; and to increase the maximum indebtedness of the City by $649,321.17 to a new total of $1,175,284.41; with all other terms and conditions of the Contract remaining unchanged.

THG

Attachments: Exhibits A-3 & B-3

cc: Lori A. West, Engineering Contract Specialist

EXHIBIT H-3 1/11

SCOPE OF SERVICES

RFP #P-14-17: Professional Design Services for Jacksonville Beach Review, Design – Phase III: Construction Support Department of Public Works
CITY OF JACKSONVILLE, FLORIDA

I. SCOPE OF PROJECT

1. The Jacksonville Beach Pier (Pier) was damaged by two major hurricanes, Hurricane Matthew and Hurricane Irma. The damage has rendered sections of the Pier unsafe for public use

   During Phase II of the project, RS&H, Inc. (RS&H) provided final design services that resulted in the production of contract drawings necessary to reconstruct portions of the Pier.

   The objective of Phase III is RS&H, herein called the "Consultant", to provide support services during the reconstruction of portions of the Pier for the City of Jacksonville, herein called the "Client".

2. Scope of Work will include:

   A. **Construction Engineering and Inspection (to be performed by England, Thims & Miller, Inc.)**

   England, Thims & Miller, Inc. (ETM) will provide on-site Construction Engineering and Inspecting Services. ETM's complete Scope of Services and Fee Proposal is included as "Attachment A" and is summarized below:

   - Monitor Contractor's on-site construction activities to determine conformance with all governing contract documents.
   - Provide daily surveillance of Contractor's Quality Control activities at the project site including verification of materials sampling, testing and certification.
   - Analyze Contractor's schedules for compliance with contract documents and provide a written review of the schedule with any concerns as necessary.
   - Provide reports verifying quantity calculations and field measurement for payment purposes.
   - Video tape the pre-construction conditions throughout the project limits and provide a photo/video log of project activities.

   B. **Post-Design Engineering Services**

   RS&H will provide post-design engineering services including Project Management, Pre-Construction Support, Construction Support Services and Additional Tasks as defined below:

   Project Management (based on an 18 month Construction Schedule)
   - Monthly coordination activities with the City
   - Monthly coordination activities with the CEI
   - Attend six (6) Quarterly Meetings with the City and CEI
   - Monthly invoicing activities

Pre-Construction Support

- Attend two (2) Pre-Bid meetings
- Provide responses to pre-bid questions from Contractors
- Attend one (1) Pre-Construction meeting

Construction Support Services

- Review up to (six) 6 Shop Drawing Submittals and one (1) resubmittal of each.
- Review and respond up to ten (10) Requests for Information (RFIs).
- Review and respond up to two (2) Requests for Modification (RFMs).
- Provide As-Built drawings.

Additional Support Tasks (to be paid for under Limiting Amount Fees)
The City will provide written approval before RS&H will perform any "Additional Tasks", examples of which include:

- Review Contractor initiated Design Changes
- Review Contractor initiated Cost Savings Initiatives or Value Engineer Proposals.
- Estimated fee based on weighted average "unloaded" rate of $49.89/hr x 120 hours.

C. **Deliverables**

- Project photo/video log.
- As-Built Plans

3. Items <u>not included</u> in the Scope of Work are excluded. The following items are Specifically Excluded from the Scope of Work:

   - Additional costs and effort beyond 18 month Construction Schedule
   - Design Services of any kind

4. Additional Services can be provided, if necessary, by negotiated supplemental agreements.

II. TIME SCHEDULE

1. Estimated 18 month Construction Schedule. Activities to be concluded within 1 month of Final Acceptance by the City.

III. FEE

Construction and Engineering Inspection will be performed for a **Limiting Amount Fee of $532,931.58.**

Post-Design Engineering Services (Project Management, Pre-Construction Support and Construction Support Serves) and to be performed for a **Lump Sum Amount of $97,283.84;** and **approved Additional Tasks** to be performed for a **Limiting Amount of $19,105.75.**

The **Total Fee (Lump Sum and Limiting Amount)** for this Contract is **$649,321.17**.

IV. NOTICE TO PROCEED

No work on this project shall be performed until a contract has been executed and a NTP is issued which specifically authorizes such work, signified by a signed agreement with the Client.

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EXHIBIT "A"

CONSTRUCTION ENGINEERING AND INSPECTION
SCOPE OF SERVICES

FOR

Project Description: Jacksonville Beach Pier Replacement - CEI services

Project No.: 3140-32

SCOPE OF SERVICES
CONSTRUCTION ENGINEERING AND INSPECTION

1.0 PURPOSE:

This scope of services describes and defines the Construction Engineering and Inspection (CEI) services which are required for contract administration, inspection, and materials sampling and testing for the construction projects listed below.

2.0 SCOPE:

The Consultant shall be responsible for providing services as defined in this Scope of Services, the referenced Contract Documents. The projects for which the services are required are:

Descriptions: Jacksonville Beach Pier Replacement
County: Duval

The Consultant shall exercise their independent professional judgment in performing their obligations and responsibilities under this Agreement.

Other projects developing within geographical area of Duval County may be added at the City of Jacksonville's discretion.

3.0 LENGTH OF SERVICE:

The Consultant's services for each Construction Contract shall begin upon written notification to proceed by the City of Jacksonville.

4.0 ITEMS TO BE FURNISHED BY THE COUNTY TO CONSULTANT:

The City of Jacksonville, on as needed basis, will furnish the following Construction Contract documents for each project. These documents may be provided in either paper or electronic format.

1. Construction Plans,
2. Specification Package (with permits),
3. Copy of the Executed Construction Contract, and
4. Utility Agency's Approved Material List (if applicable).

5.0 ITEMS FURNISHED BY THE CONSULTANT:

5.1 Vehicles:

Vehicles will be equipped with appropriate safety equipment and must be able to effectively carry out requirements of this Agreement.

5.2 Field Equipment:

The Consultant shall supply survey, inspection and testing equipment, essential in order to carry out the work under this Agreement. Such equipment includes those non-consumable and non-expendable items, which are needed for a CEI project and are essential in order to carry out the work under this Agreement.

Hard hats shall have the name of the consulting firm visibly displayed.

Equipment described herein and expendable materials under this Agreement will remain the property of the Consultant and shall be removed at completion of the work.
Field office equipment shall be maintained and in operational condition at all times.

6.0 LIAISON:

The Consultant shall keep the Construction Project Manager informed of all significant activities, decisions, correspondence, reports, and other communications related to its responsibilities under this Agreement, and seek input from the Construction Project Manager in order for the Construction Project Manager to oversee the Consultant's performance.

Agreement administrative duties relating to Invoice Approval Requests, Personnel Approval Requests, Time Extension Requests, and Supplemental Amendment Requests shall be reviewed and approved by the Construction Project Manager.

7.0 PERFORMANCE OF THE CONSULTANT:

During the term of this Agreement and all supplements thereof, the City of Jacksonville will review various phases of Consultant operations, such as construction inspection, and administrative activities, to determine compliance with this Agreement. The Consultant shall cooperate and assist The City of Jacksonville representatives in conducting the reviews.

8.0 REQUIREMENTS:

8.1 General:

It shall be the responsibility of the Consultant to administer, monitor, and inspect the Construction Contract such that the project is constructed in reasonable conformity with the plans, specifications, and special provisions for the Construction Contract.

The Consultant shall observe the Contractor's work to determine the progress and quality of work, identify discrepancies, report significant discrepancies to the City of Jacksonville, and direct the Contractor to correct such observed discrepancies.

The Consultant shall advise the Construction Project Manager of any significant omissions, substitutions, defects, and deficiencies noted in the work of the Contractor and the corrective action that has been directed to be performed by the Contractor. Work provided by the Consultant shall not relieve the Contractor of responsibility for the satisfactory performance of the Construction Contract.

8.2 On-site Inspection:

The Consultant shall monitor only the Contractor's on-site construction activities and inspect materials entering into the work in accordance with the plans, specifications, and special provisions for the Construction Contract to determine that the projects are constructed in reasonable conformity with such documents. The Consultant shall keep detailed accurate records of the Contractor's daily operations and of significant events that affect the work.

8.3 Sampling and Testing:

The Consultant shall provide daily surveillance of the Contractor's Quality Control activities at the project site.

The Consultant shall be specifically responsible for determining the acceptability of all materials and completed work items on the basis of either test results or verification of a certification, certified mill analysis, DOT label, DOT stamp, etc. The Consultant will monitor the effectiveness of the Contractor's testing procedures through surveillance.

Documentation reports on sampling and testing performed by the Contractor shall be submitted to responsible parties during the same week that the construction work is done.

8.4 Engineering Services:

The Consultant shall coordinate the Construction Contract administration activities of all parties other than the Contractor involved in completing the construction project. Notwithstanding the above, the Consultant is not liable to the City of Jacksonville for failure of such parties to follow written direction issued by the Consultant.

Services include maintaining the required level of surveillance of Contractor activities, interpreting plans, specifications, and special provisions for the Construction Contract, maintaining complete, accurate records of all activities and events relating to the project, and properly documenting all significant project changes. The Consultant shall perform the following services:

a. Verify that the Contractor is conducting inspections, preparing reports and monitoring all storm water pollution prevention measures associated with the project. Provide at least one inspector who has successfully completed the "Florida Storm water, Erosion, and Sedimentation Control Training and Certification Program for Inspectors and Contractors".

b. Analyze the Contractor's schedule(s) (i.e. baseline(s), revised baseline(s), updates, as-built, etc.) for compliance with the contract documents. Elements including, but not limited to, completeness, logic, durations, activity flow, milestone dates, concurrency, resource allotment, and delays will be reviewed. Verify the schedule conforms with the construction phasing and MOT sequences, includes all contract modifications, and the Contractor's plan for completing the project within the allowed contract time is reasonable. Provide a written review of the schedule identifying significant omissions, improbable or unreasonable activity durations, errors in logic, and any other concerns.

c. Analyze problems that arise on a project and proposals submitted by the Contractor, work to resolve such issues, and process the necessary paperwork.

d. If applicable, Monitor, inspect and document utility construction for conformance with Utility Agency's Water and Sewer Standards and the Utility Agency's Approved Materials List. Facilitate coordination and communication between Utility Agency's representatives, the City of Jacksonville's staff and contractors in execution of the work. Identify potential utility conflicts and assist in the resolution of utility issues.

e. Produce reports, verify quantity calculations and field measure for payment purposes as needed to prevent delays in Contractor operations and to facilitate processing of such information in order for the City of Jacksonville to make timely payment to the Contractor.

f. Video tape the pre-construction conditions throughout the project limits. Provide a digital photo log or video of project activities, with heavy emphasis on potential claim items/issues and on areas of real/potential public controversy.

   The Consultant shall have a digital camera for photographic documentation of pre-construction state and of noteworthy incidents or events during construction. These photographs will be filed and maintained on the Consultant's computer.

9.0 PERSONNEL:

9.1 General Requirements:

The Consultant shall staff the project with the qualified personnel necessary to efficiently and effectively carry out its responsibilities under this Agreement. Method of compensation for personnel assigned to this project is outlined in Exhibit "B."

9.2 Personnel Qualifications:

The Consultant shall utilize only competent personnel, qualified by experience, and education.

9.3 Staffing:

Once authorized, the Consultant shall establish and maintain an appropriate staff through the duration of construction and completion of the final estimate. Responsible personnel, thoroughly familiar with all aspects of construction and final measurements of the various pay items, shall be available to resolve disputed final pay quantities until the appropriate Construction Contract has been paid off.

Construction engineering and inspection forces will be required of the Consultant while the Contractor is working.

10.0 Offer of Final Payment:

Consultant shall make a pre-final inspection to determine if the Project is substantially complete, and a final inspection to determine if the Project has been fully completed in substantial accordance with the Contract Documents and whether the contractor has fulfilled all of its obligations there under so that the Consultant may recommend approval, in writing, of final payment to the contractor.

11.0 INVOICING:

Monthly invoices shall be submitted to the City of Jacksonville in a format and distribution schedule defined by the City of Jacksonville.

12.0 OTHER SERVICES:

Upon written authorization by the City of Jacksonville Project Manager, the Consultant will perform additional services in connection with the project not otherwise identified in this Agreement. The following items are not included as part of this Agreement but may be required by the City of Jacksonville to supplement the Consultant services under this Agreement.

a. Assist in preparing for arbitration hearings or litigation that occurs during the Agreement time in connection with the construction project covered by this Agreement.

b. Provide qualified engineering witnesses and exhibits for arbitration hearings or litigation in connection with this Agreement.

c. Provide on- and off-site inspection services in addition to those provided for in this Agreement.

13.0 POST CONSTRUCTION CLAIMS REVIEW:

In the event the Contractor submits a claim for additional compensation and/or time after the Consultant has completed this Agreement, the Consultant shall, upon execution by the City of Jacksonville and the Consultant of an Amendment to this Agreement providing for compensation for such services, analyze the claim, engage in negotiations leading to settlement of the claim, and prepare and process the required documentation to close out the claim. Compensation for such services will be negotiated and effected through a Supplement to this Agreement.

14.0 OTHER CONSIDERATIONS:

a. Consultant will not assume responsibility for the Contractor's means, methods, techniques, sequences or procedures of construction and it is understood that field services provided by Consultant will not relieve the Contractor of his responsibilities for performing the work in accordance with the plans and specifications.

b. The words "supervision", "inspection", or "control" are used to mean periodic observation of the work and the conducting of tests by Consultant to verify substantial compliance with the plans, specifications and design concepts.

c. Continuous inspections by Consultant's employees do not mean that Consultant is observing placement of all materials.

d. Full-time inspection means that an employee of Consultant has been assigned for 40 hours per week.

e. A certification that the project was built according to the plans, specifications and relevant portions of the contract documents.

f. As needed, coordination with the FDOT in the field and responsibility for close out package submittal to FDOT and one original copy of same to the City of Jacksonville.

g. Perform as the contract administrator and collect RFI's and distribute in accordance with provisions of the contract to the owner and/or EOR as required.

h. Recommendation and preparation of any field changes and cost analysis and concurrence with contractor prices.

i. Recommendation of all change orders (including weather days) and analysis and concurrence with contractor prices proposed.

j. Bi-weekly status reports, field meetings, etc.

k. Analysis of the QC plan for compliance (coordinate with EOR as applicable)

l. Submittal of shop drawings to EOR and The City of Jacksonville as applicable.

m. Keep daily reports and provide to The City of Jacksonville as necessary.

n. Review submittals, (schedule of values, project schedules)

o. Review of As-builts for needed corrections.

p. Ensure the contractor is doing proper MOT, NPDES and other required reporting.

q. Conduct pre-con meeting.

r. Work with The City of Jacksonville and/or FDOT when appropriate to schedule and conduct inspection at substantial and Final Completion.

s. Review and approve each pay request by Contractor (quantities and dollars) and confirm or deny for payment.

t. Conduct a pre-pour meeting.

u. Prepare notes and summaries of all meetings.

v. Know the Contract and represent the City of Jacksonville in the execution thereof.

w. Collect and retain all asphalt, concrete and limerock "tickets"

x. Ensure testing is done per the contract documents. Collect and retain all test results and inform The City of Jacksonville of any issues.

y. Inform the City of Jacksonville when approaching plan quantities so as to not overrun pay items.

15.0 SERVICES EXCLUDED:

The consultant shall not be responsible for the following services:

- Underwater Inspection Services
- Pile Driving Analyzer (PDA) Services
- Establishment and Maintenance of Field Office
- Scheduling and Performance of any materials testing services,
- Review of MBE participation,
- Management of project through warranty period/claims,
- Geotechnical services or investigations (including underdrain evaluations),
- Engineering design services, including post design services,
- Bridge Load ratings,
- OSHA or other Regulatory Safety Inspections,
- Survey or Construction Stakeout,
- Permitting or permit fees,
- Asbuilt Survey and Certifications.
- Off-site inspections
- Aerial Photography
- Overtime, nights and weekends for all positions

EXHIBIT B-3 1/7

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

PART I - GENERAL	
1. Project Jacksonville Beach Pier Review, Design - Phase III	**2. Contract Number** P-14-17
3. Name of Consultant RS&H Inc.	**4. Date of Proposal** 6-17-19

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$ 62.60	252	$ 15,775.20	
Principal	$ 91.40	0	$ 0.00	
Chief Engineer / Architect	$ 86.22	32	$ 2,759.04	
Senior Engineer	$ 65.69	50	$ 3,284.50	
Project Engineer / Architect	$ 53.95	0	$ 0.00	
Engineer (Registered)	$ 42.84	112	$ 4,798.08	
Designer / Tech (non-registered)	$ 32.31	90	$ 2,907.90	
Field Inspector / CBI	$ 33.29	0	$ 0.00	
Clerical	$ 24.48	36	$ 881.28	
TOTAL DIRECT LABOR	$7.00	572		$ 30,406.00
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 190.1 % x Total Direct Labor				$ 57,801.81
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 88,207.81
8. PROFIT: Labor Related Costs (Item 7		x	10%	$ 8,820.78

PART III - OTHER COSTS

9. Miscellaneous Direct		
Transportation & Shipping	$ 225.25	
Original Reproducibles	$ 0.00	
Reproduction	$ 0.00	
Courier	$ 30.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 255.25
10. SUBCONTRACTS (Lump Sum)		
SUB-CONTRACT SUB-TOTAL		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 97,283.84
11. REIMBURSABLE COSTS (Limiting Amount)		
RS&H - Additional Tasks (to be approved by the City)	$ 19,105.75	
England, Thims & Miller (CEI Services)	$ 532,931.58	
SUB-TOTAL REIMBURSABLES		$ 552,037.33

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$ 649,321.17**

ESTIMATE OF WORK EFFORT AND FEE FOR
STRUCTURAL ENGINEERING AND EVALUATION

CONSULTANT: RS&H Inc.
CONTRACT NO.: P-14-17

ESTIMATOR NAME / DATE: S. Starnes / 6-17-19

NAME OF PROJECT: Jacksonville Beach Pier Review, Design - Phase III
FROM: N/A
TO: N/A
LENGTH: N/A

No. / ACTIVITY	Project Manager RATE/HR $ 62.60		Principal RATE/HR $91.40		Chief Engineer / Architect RATE/HR $86.22		Senior Engineer RATE/HR $65.69		Project Engineer / Architect RATE/HR $53.95	
	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST
Project Management / Coordination	162	$10,141.20	0	$0.00	0	$0.00	0	$0.00	0	$0.00
Pre-Construction Support	18	$1,126.80	0	$0.00	10	$862.20	0	$0.00	0	$0.00
Constructin Support Services	72	$4,507.20	0	$0.00	22	$1,896.84	50	$3,284.50	0	$0.00
TOTAL	252	$15,775.20	0	$0.00	32	$2,759.04	50	$3,284.50	0	$0.00

No. / ACTIVITY	Engineer (Registered) RATE/HR $42.84		Designer / Tech (non-registered) RATE/HR $32.31		Field Inspector / CBl RATE/HR $ 33.29		Clerical RATE/HR $ 24.48		MAN HOURS BY ACTIVITY	SALARY COST BY ACTIVITY	AVG. HOURLY COST	SALARY COST DIST. %
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST				
Project Management / Coordination	0	$0.00	0	$0.00	0	$0.00	36	$881.28	198	$11,022.48	$55.67	36.3
Pre-Construction Support	0	$0.00	0	$0.00	0	$0.00	0	$0.00	28	$1,989.00	$71.04	6.5
Constructin Support Services	112	$4,798.08	90	$2,907.90	0	$0.00	0	$0.00	346	$17,394.52	$50.27	57.2
TOTAL	112	$4,798.08	90	$2,907.90	0	$0.00	36	$881.28	572	$30,406.00	$53.16	100.0

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ESTIMATE OF WORK EFFORT AND FEE FOR
STRUCTURAL ENGINEERING AND EVALUATION

CONSULTANT: RS&H Inc.
CONTRACT NO.: P-14-17

ESTIMATOR NAME / DATE: S. Starnes / 6-17-19

NAME OF PROJECT: Jacksonville Beach Pier Review, Design - Phase III
FROM: N/A
TO: N/A
LENGTH: N/A

No. / ACTIVITY	Project Manager RATE/HR $ 62.60		Principal RATE/HR $91.40		Chief Engineer / Architect RATE/HR $86.22		Senior Engineer RATE/HR $65.69		Project Engineer / Architect RATE/HR $53.95	
	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST
Additional Tasks	20	$1,252.00	0	$0.00	10	$862.20	0	$0.00	30	$1,618.50
TOTAL	20	$1,252.00	0	$0.00	10	$862.20	0	$0.00	30	$1,618.50

No. / ACTIVITY	Engineer (Registered) RATE/HR $42.84		Designer / Tech (non-registered) RATE/HR $32.31		Field Inspector / CBI RATE/HR $ 33.29		Clerical RATE/HR $ 24.48		MAN HOURS BY ACTIVITY	SALARY COST BY ACTIVITY	AVG. HOURLY COST	SALARY COST DIST. %
	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST				
Additional Tasks	30	$1,285.20	30	$969.30	0	$0.00	0	$0.00	120	$5,987.20	$49.89	100.0
TOTAL	30	$1,285.20	30	$969.30	0	$0.00	0	$0.00	120	$5,987.20	$49.89	100.0

Total Direct Labor		$5,987.20
Overhead	190%	$11,381.67
Subtotal		$17,368.87
Profit	10%	$1,736.89
RS&H Total		$19,105.75

MISCELLANEOUS DIRECT COST

CONSULTANT: RS&H Inc.
CONTRACT NO.: P-14-17
PREPARED: STS

NAME OF PROJECT: Jacksonville Beach Pier Review, Design - Phase III
FROM: N/A
TO: N/A

ITEM DESCRIPTION										ITEM TOTAL	COMMENTS
Drafting Medium: (Original Reproducibles)											
Reproduction (Blue Line & Sepias)											
		24 x 36			11 x 17						
Bridge Plans		0			40	Sheets					
		0			0	Sheets					
		0			0	Sheets					
		0			0	Sheets					
Total Sheets		0			40						
Cost:		0	Sheets @	$	0.54	=	$0.00				
		0	Sheets @	$	0.05	=	$0.00	8.5x11			
		120	Sheets @	$	0.09	=	$10.32	11x17		$0.00	3 copies x 2 submittals
Travel From: site-to-site											
	# Trips										
Transport.	2	x	25	miles x	$	0.53	per mile*		$26.50		Pre-Award Meetings
	# Trips										
Transport.	9	x	25	miles x	$	0.53	per mile*		$119.25		Bi-Monthly Site Visits
	# Trips										
Transport.	6	x	25	miles x	$	0.53	per mile*		$79.50		Quarterly Meetings w/COJ & CEI
Transport.										225.25	Subtotal
Shipping	Courier	x	2		$	15.00	each		$30.00	$30.00	
Other (Specify)											
TOTAL COST										$255.25	

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Jacksonville Beach Pier, Phase III Post-Design Services - RS&H Staff Hour Estimate

PM / Coordination Tasks	#	Hrs (ea)	Total Hrs	Notes / Comments
Monthly Coordination with COJ	18	2	36	Phone calls with COJ
Weekly Coordination with CEI/ETM	18	4	72	Phone calls with CEI/ETM
Quarterly Status Meetings with COJ & ETM	6	3	18	Face-to-Face meeting
Monthly Invoices	18	4	72	Process and review subs & RSH, submit to City
			198	

Pre-Construction Support Tasks	#	Hrs (ea)	Total Hrs	Notes / Comments
Pre-Bid Meetings	2	6	12	1 w/ COJ and 1 w/ COJ & Contractors - 2ppl @ each
Answering Pre-Bid Questions	1	8	8	
Pre-Construction Meeting	1	8	8	w/ COJ & Contractor - 2ppl
			28	

Construction Support Tasks	#	Hrs (ea)	Total Hrs	Notes / Comments
Shop Drawing Reviews	12	12	144	6 submittals (and 1 resubmittal each) @ 12 hours each
RFIs (request for information)	10	6	60	10 submittals @ 6 hours each
RFMs (request for modification)	2	32	64	2 submittals @ 32 hours each
Site Visits	9	2	18	approx 1 visit every 2 months
As-Built Plans	1	60	60	1 submittal @ 60 hours each
			346	

Additional Tasks	#	Hrs (ea)	Total Hrs	Notes / Comments
Review Contractor initiated design changes	1	120	120	Performed only after written approval from COJ
			120	

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

PART I - GENERAL	
1. Project Jacksonville Beach Pier Replacement - CEI services	**2. Proposal Number** 3140-32
3. Name of Consultant England-Thims & Miller, Inc.	**4. Date of Proposal** 6/14/2019

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 96.15	0	$ 0.00	
Senior Project Engineer	$ 74.52	426.4	$ 31,775.33	
Project Engineer (Proj. Administrator)	$ 53.83	877.4	$ 47,230.44	
Bridge Inspector	$ 33.66	2788	$ 93,844.08	
Clerical	$ 25.33	0	$ 0.00	
TOTAL DIRECT LABOR	$ 42.24	4091.8		$ 172,849.85
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	175 % x Total Direct Labor			$ 302,487.24
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 475,337.09
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 47,533.71

PART III - OTHER COSTS		
9. Miscellaneous Direct Costs		
Reproduction	$ 1,900.00	
Transportation / Vehicle ($355/mo x 19 mo.)	$ 4,360.79	
Field Consumables	$ 1,425.00	
Miscellaneous / Telephone	$ 2,375.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$	$ 10,060.79
10. SUBCONTRACTS		
None included	$	
	$	
	$	
SUB-CONTRACT SUB-TOTAL	$	$ -
TOTAL AMOUNT		$ -
11. Reimbursable Costs - Limiting Amount		
	$	
SUB-TOTAL REIMBURSABLES (Items 5, 6, 8, and 9)		$ 532,931.58

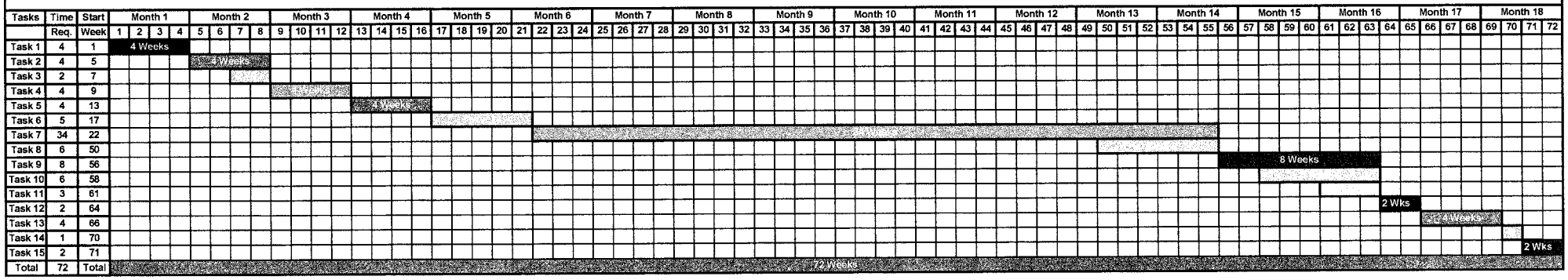
PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT	$ 532,931.58
	Contract Duration = 18 Months

Sheet 1

Manhour Construction Timetable Provided from the Damage Assessment Report by Marine Specialties, LTD.

Jacksonville Beach Construction Tasks			
Task #	General Overview of Major Tasks	Duration/Weeks	Start Week
1	Project start-up, submittals, permits and material orders	4	1
	Mobilization, set-up staging area, safety fencing and secure work zone, timber mat deck to Bent 19 delivery and set-up crane	4	5
	Stage 1 demolition: remove handrail & wood deck panels	2	7
	Installation of mid-span support crutch bents at Spans 19 to 23, timber mat deck to Bent 23	4	9
	Demolition of Bent 24, construction of new Bent 24 located mid-span of	4	13
	Demolition of Bent 25 to 26, construction of replacement Bents 25 & 26 and span section	5	17
	Debris removal, construction replacement Bents 26-32	34	22
	Debris removal, construction replacement Bents 33-34 for Pier T-head and installation of Spans	6	50
9	Installation of wood deck panels, concrete panels and handrails starting at Bent 32 working shoreward	8	56
	Concrete and beam repairs and re-set starting at Bent 23 working shoreward	6	58
	Installation of electrical and fire suppression systems	3	61
12	Removal of safety railing and barrier and installation of covered benches and accessories	2	64
	Owner walkthrough, punch list and construction Closeout	4	66
	Demobilization, site clean-up and final inspection and CO	1	70
15	Contingency dats for weather, inspection and materials	2	71
Total		Total Weeks	72

Jacksonville Beach Pier - Construction Time Table



Year	2019						2020													2021											Project	Project
Month	Aug	Sep	Oct	Nov	Dec	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Total Man	Total Man
Project Staff			1	2	3	2019	4	5	6	7	8	9	10	11	12	13	14	15	2020	16	17	18										2021	Months	Hours
Senior Project Engineer			0.10	0.15	0.15	0.4	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	1.8	0.15	0.15	0.10										0.4	2.6	426
Project Administrator			0.25	0.30	0.30	0.85	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	3.6	0.30	0.30	0.30										0.9	5.35	877
Bridge Inspector			0.50	1.00	1.00	2.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12	1.00	1.00	0.50										2.5	17	2788

Revised as follows:

Removed Principal - Senior Project Engineer will handle duties

Removed Clerical - Project Administrator will handle duties

Removed Overtime from Bridge Inspector - SPE & PA will have to manage closely

Removed 2 weeks of Pre-Project Time

Reduced Close Out Time for all positions

Note - Demolition and construction will happen concurrently based on our experience and the above report from Marine Specialties, LTD. With beachgoers, police and lifeguards traversing under and through the site, having a fulltime Bridge Inspector on site is imperative

CEI proposal is 6.7% of the Engineers Itemized Estimate of $7,879,000.00