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

October 31, 2017

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

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

FROM: Tom Fallin, P. E.
Chief, Engineering and Construction Management Division

Robert Skalitzky, Chief
Natural and Marine Resources

SUBJECT: P-54-17 Professional Services for Huguenot Park Access Road
RPWF165-06505---AFA017-01

The Engineering Division has negotiated with the consultant selected for Professional Services for Huguenot Park Access Road, resulting in the Scope of Services, Exhibit A and Contract Fee Schedule, Exhibit B. The City's JSEB program is not applicable to this project. Instructions were provided for required Federal Affirmative Steps were included in the RFP.

Accordingly, this is to recommend that the City of Jacksonville enter into a contract with Prosser, Inc. for Professional Services for Huguenot Park Access Road, that includes the attached Scope of Services identified as Exhibit "A" and Fee Schedule identified as Exhibit "B", to provide a lump sum amount for Design Services in the amount of $276,024.58 and a not to exceed limit for permitting in the amount of $1,500.00, with a maximum indebtedness to the City in the amount of $277,524.58 and with an expiration date of Project Completion. All other terms and conditions are as provided in the RFP and the City's standard contract language.

TF/lw

Attachment: Exhibits A & B

11/20/17 13:32:57
Procurement Division

cc: Lori West, Contract Specialist

ab

EXHIBIT A

PROSSER

13901 Sutton Park Drive South, Suite 200
Jacksonville, Florida 32224-0119
p 904.739.3655 f 904.730.3413
www.prosserinc.com

October 19, 2017

P-54-17 – 117063.01

Huguenot Memorial Park – Access Road Replacement (Hurricane Matthew)

SCOPE OF SERVICES, FEE, AND SCHEDULE

CLIENT: City of Jacksonville, Florida
Department of Parks, Recreation and Community Services

PROJECT: Huguenot Memorial Park – Access Road Replacement (Hurricane Matthew)

CONSULTANT: Prosser, Inc.
13901 Sutton Park Drive South, Suite 200
Jacksonville, Florida 32224

ITEM 1 - DESCRIPTION OF PROJECT

This project includes design, engineering and permitting for the replacement of the existing park access road adjacent to the St. Johns River at Huguenot Memorial Park. The replacement is required due to damage caused by Hurricane Matthew, a Category 2 storm that came closest to Jacksonville on October 7, 2016. Shoreline erosion has damaged the access road for approximately 2,420 LF, with the levels of damage mainly consisting of complete destruction of the roadway asphalt and base materials. Due to the extensive damage caused by the hurricane, the roadway is currently closed. Based on field observations it is apparent that in locations where erosion control measures were installed, the damage to the roadway was reduced, see post-hurricane photos Exhibit 'A'.

The goal of this project is to restore the access road and provide some protection for the access road during future storms. It is noted that any solution, without significant modifications will not be able to address overtopping due to the existing elevation of the roadway and ongoing sea level rise. Initial discussion with FDEP indicate that a vertical bulkhead type solution is not allowable under state regulations due to the park's designation as an aquatic preserve.

Per the City's recent discussions with FEMA staff, our understanding is that this project is eligible for FEMA reimbursement based on the cost to construct the roadway back to pre-storm location and condition. Additional funding for mitigation options is available up to twice the replacement cost. Mitigation options may include minor adjustments to the roadway location, raising the roadway elevation and increasing the revetment along the length of the roadway and possibly along Fort George Inlet.

ITEM 2 - CLIENT'S OBJECTIVES/PROGRAM

The replacement of the roadway is critical to provide uninterrupted park and beach access. This project includes the design, civil engineering and permitting for the access road replacement, inclusive of necessary survey, geotechnical and marine engineering for erosion control measures, see project limits Exhibit 'B'. The US Government (eastward "Jetty Tract" which includes the damaged roadway area) and State (parcel west of the Federal parcel) own the property but the City has leases to manage the facility. Initial research indicates that approvals from St. Johns River Water Management District (SJRWMD) and federal U.S. Army Corp of Engineers (USACE) regulatory agencies are expected to be required for this work.

Based on preliminary meetings with City and FEMA staff on-site, below is the scope of work defined for this project:

- Development of design, permit and construction plans for the access roadway replacement, to include an initial Engineer's Opinion of Probable Construction Cost (EOPCC) for the replacement cost. Additional EOPCC's to be provided for mitigation options under consideration.
- Potential mitigation options include supplemental revetment on one or both the St. Johns River and Fort George Inlet shorelines in the vicinity of the breach. During Hurricane Matthew, the storm breached where the road crosses the isthmus and heads toward the park access to the Atlantic Ocean/beach, which received significant storm damage/erosion, see post storm photo Exhibit 'C'. The mitigation proposal will be limited to the breach area, or about 350 LF near the end of the south access road's eastern terminus, see photos Exhibit 'D'. Minor relocation of the roadway and raising the roadway elevations are additional mitigation options to be considered.
- Permitting of the proposed roadway replacement through the St. Johns River Water Management District (SJRWMD), US Army Corps of Engineers (USACE), and the City of Jacksonville.

ITEM 3 - SCOPE OF SERVICES

Prosser and its sub-consultants will provide the following services:

A. Site Survey, Environmental Support and Geotechnical Testing

1. The Prosser team will conduct an initial site visit with the team members and City staff (including applicable FEMA agents, if requested by the City), to observe site conditions and review project goals, funding considerations, and project limits and refine field investigations. It is assumed that the City will provide Prosser with all available existing surveys, design plans, design criteria, permits, ownership/lease documents, and existing FEMA Project Worksheets and/or related documents for the site. We will also interview available park staff regarding their observations and erosion protection efforts conducted to date.

2. Prosser provided professional surveyor services for the current project for the realignment of the access roadway. A majority of the survey was completed prior to Hurricane Matthew. Prosser will provide professional surveyor services to update all elements identified in the existing survey, to identify post-hurricane site conditions. In particular, the updated survey will identify within the project limits the remaining access road, existing topography and existing erosion control measures, vegetation, MHW line, and beach topography at least out to the wading depth at MLW. Survey of the existing revetment will include apparent top and toe of rock limit, along the length of the shore to include various rip-rap or rock materials. Also included are cross sectional details of the revetment at not greater than 100 ft intervals using methods as outlined by the USACE or other coastal engineering reference (CIRIA Rock Manual) for surveying large rock structures to capture the average height of the rock profile across each section. Hydrographic survey data will also be provided within 100 ft of MLW. The surveyor will incorporate the most recent USACE channel condition survey(s) and include the location of the Federal navigation channel into the survey drawing for reference.

3. Prosser will provide geotechnical testing services to include (6) SPT borings along the roadway length and (5) bulk samples for the revetment areas. An additional two (2) SPT borings with sand samples will be collected in the breach area. A geotechnical report will be provided which documents findings, to include recommendations on the replacement of the access roadway,

recommendations for the stabilization of erosion control measures and interface between the shoreline structure and the road, and construction testing requirements.

4. Site Environmental Assessment: Prosser will provide a desktop environmental summary to identify any wetlands, sensitive vegetation, as well as any T&E flora and fauna species throughout the project limits. Field investigations include conducting an updated gopher tortoise survey and wetland evaluation/delineation.

B. Project Design Development

2. Prosser will compile the project data in CAD to include the updated survey information.
3. Prosser will develop the alignment and elevations for the roadway replacement in CAD. The design will correspond to post-hurricane site conditions. Stormwater treatment requirements will be coordinated with SJRWMD. Design of site utilities are excluded; except for coordinating of existing power poles that may need to be relocated.
3. Perform desktop coastal engineering and exposure assessment including the following:
   - Conduct cursory review of shoreline change/erosion data (if any), available aerial photography and related coastal engineering permits and studies of the site from the City, USACE, and FDEP. As the local sponsor of Federal projects, it is assumed that the City will facilitate requests to the USACE and/or FDEP to obtain available design reports and studies. This task does not include any field gaging, numerical modeling, or physical modeling.
   - Complete a brief desktop wind-wave exposure review of the site to determine extreme wind, water level, current, and wave conditions for project design. This does not include field data collection or numerical or physical modeling, and will rely on readily available public data sources (USACE, FEMA, etc.) and analytical calculations. The final design criteria for the revetment design must be accepted by the City prior to advancing project final design. Typically, a shoreline revetment may be designed to withstand a 50-year return period event from a stability perspective, unless the City requires a 100-year or other level due to the importance of the road. Overtopping may require some upland improvements to limit storm erosion landward of the revetment crest. The pre-storm configuration and elevations of the various rip-rap and rock revetments can only be approximated unless as-built surveys or design plans are available from the City.
   - Develop a conceptual shoreline stabilization plan, with the base solution envisioned to be a rock revetment. Alternate solution(s) may be considered, and one alternate will be presented to the City if deemed viable. This may include (1) replacement of the existing revetment with proper rock design instead of concrete rip-rap and (2) additional mitigation by way of stabilizing the breach area across the spit between Ft George inlet interior water and the St Johns River. Such additional mitigation may be in the form of a geotextile tube or rock solution.
4. Develop Conceptual Engineer's Opinion of Probable Construction Cost for the roadway replacement. Cost and quantities for the existing rip-rap will be limited to estimates made from available surveys and will necessarily include a contingency since detailed quantities cannot be determined of existing revetment materials.
5. Prosser will perform a pre-application meeting with the SJRWMD and USACE to determine permitting requirements for this project.

6. Prosser will meet with City staff to review the preliminary roadway design, to receive any comments. The City will be responsible for all coordination with FEMA representatives as may be required.

C. Report of Findings – Basis of Design

2. Prosser will review the survey, geotechnical report, environmental report, and various project design criteria.
3. A Report of Findings will be developed to articulate the analysis performed and document the information to be utilized as the project basis of design. The report will be submitted to the City for review and comment.

D. Permit and Construction Documents

2. Prosser assumes that this project will be submitted to the City of Jacksonville for 10 set review. A new permit for the proposed improvements will be obtained.
3. Prosser assumes that this project will be submitted to multiple regulatory agencies (USACE, SJRWMD, FDEP, etc.) for review and approval. A new permit for the proposed improvements will be required. Since the project lies within Federally owned land, a State Submerged Land Lease (SSLL) is assumed to not be required but some consent or other agreement with the USACE may be required. Any legal surveys related to ownership or land use are not included. Permit application fees are included as a reimbursable cost, not to exceed $1,500.
4. Construction Document submittals will be made at 60% and 90% to include the following:
   a. Site Survey
   b. Site Plan with roadway alignment
   c. Layout and Geometry Plans
   d. Grading and Drainage Plans/Details
   e. Civil Construction Details
   f. Landscape, Tree Mitigation and Irrigation/Bubbler Plan/Details
   g. Technical Specifications not included within project plans
   h. Geotechnical data
   i. Erosion Control Measures – Plans/Layout/Typical Section(s)/Details

E. Bid Documents

2. Based on comments generated by the City, our team will complete the 100% construction documents and final bid documents.
3. Documents will include the appropriate plans, specifications, City, JEA and/or FDOT standard details and notes necessary to bid the project.

F. Limited Construction Related Services

Florida statutes require the Engineer of Record to inspect and certify the construction of the stormwater treatment system. These site visits, along with owner requested services such as shop drawing reviews are included. Our services provide herein include two (2) total site visits during construction.

Prosser proposes to provide construction-related services in two parts. Part 1 will be a core set of services and Part 2 as Additional Construction Administration Services as follows:

1. Core Services:

a. Provide certifications of construction completion for permit by the SJRWMD, if needed. Our services will include two (2) site visits to observe the progress of construction.
b. Provide review of shop drawing submittals from the contractor related to elements of Prosser's design.

2. Additional Construction Related Services.

These services will be provided as requested. These services may include assistance with resolution of field problems, interpretation of plans, review of change orders, revisions based on field conditions, and additional site visits.

Prosser's efforts will be directed toward assistance in the resolution of field problems or questions and determining whether the completed project will generally conform to the contract documents. We understand that construction management, resident inspection, surveying, coordination, recordkeeping and related services will be provided by others. Prosser will not provide construction management services or resident inspection to check the quality of work, and will not be responsible for the 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). The involvement of Prosser during construction shall not excuse the contractor from deficiencies discovered in their work and should be so advised. Prosser shall not be responsible for project safety such as required by OSHA or other regulatory requirements

ITEM 4 - FEE

See attached spreadsheet.

Our Standard General Conditions and Rate Schedule are attached and will apply to this project.

Any services requested outside of the scope of work will be charged hourly according to the rate schedule attached, but will not commence without prior written permission.

ITEM 5 - RESPONSIBILITIES OF THE CLIENT

- Provide access to project property
- Provide basic coordination on behalf of the Department of Public Works and Department of Parks and Community Services
- Offer comments and guidance regarding project direction
- Provide documents for any/all existing studies, as-builts, surveys, and design documents related to the existing site improvements and history of shoreline erosion and improvements at the site
- Provide current City Standard Bid Documents & Advertisement services
- Construction Representation and Administration, other than described in Item 3F
- Perform all coordination with FEMA staff and Representatives

ITEM 6– ITEMS NOT INCLUDED IN SCOPE

- Presentation Graphics or Public Presentations, Hearings, etc.
- Environmental Assessments and Mitigation Planning/Design/Permitting, other than Item 3A.3.
- Structural, Electrical or Mechanical Engineering
- Coastal engineering studies beyond the scope identified for the roadway shoreline stabilization (i.e., does not include beach erosion or shoreline change analysis, numerical modeling of coastal processes, downdrift impact evaluations, beach nourishment solutions, etc.)
- FEMA coordination or documentation beyond providing the work efforts described herein

- Additional FEMA mitigation analysis and/or options beyond providing work efforts described herein
- Bid phase services, including development of front-end bid documents, bid review, and RFI responses
- Construction Administration services, other than described in Item 3F
- Hardscape Plans and furnishings specifications
- Offsite utility or transportation improvements and offsite stormwater modeling or design
- Legal advertisements
- Floodplain analysis
- Traffic Study
- Fire Protection studies, analysis or design
- Park improvements including amenities, pavilions, picnic tables, boardwalks, site lighting and parking areas

Sincerely,

PROSSER, INC.

Ryan Stilwell, P.E.
Principal

William R. Lyon, P.E.
Project Engineer

Accepted by:

_____
Signature

_____
Typed Name and Title

_____
Date

EXHIBIT 'A'
EXHIBIT A

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EXHIBIT A

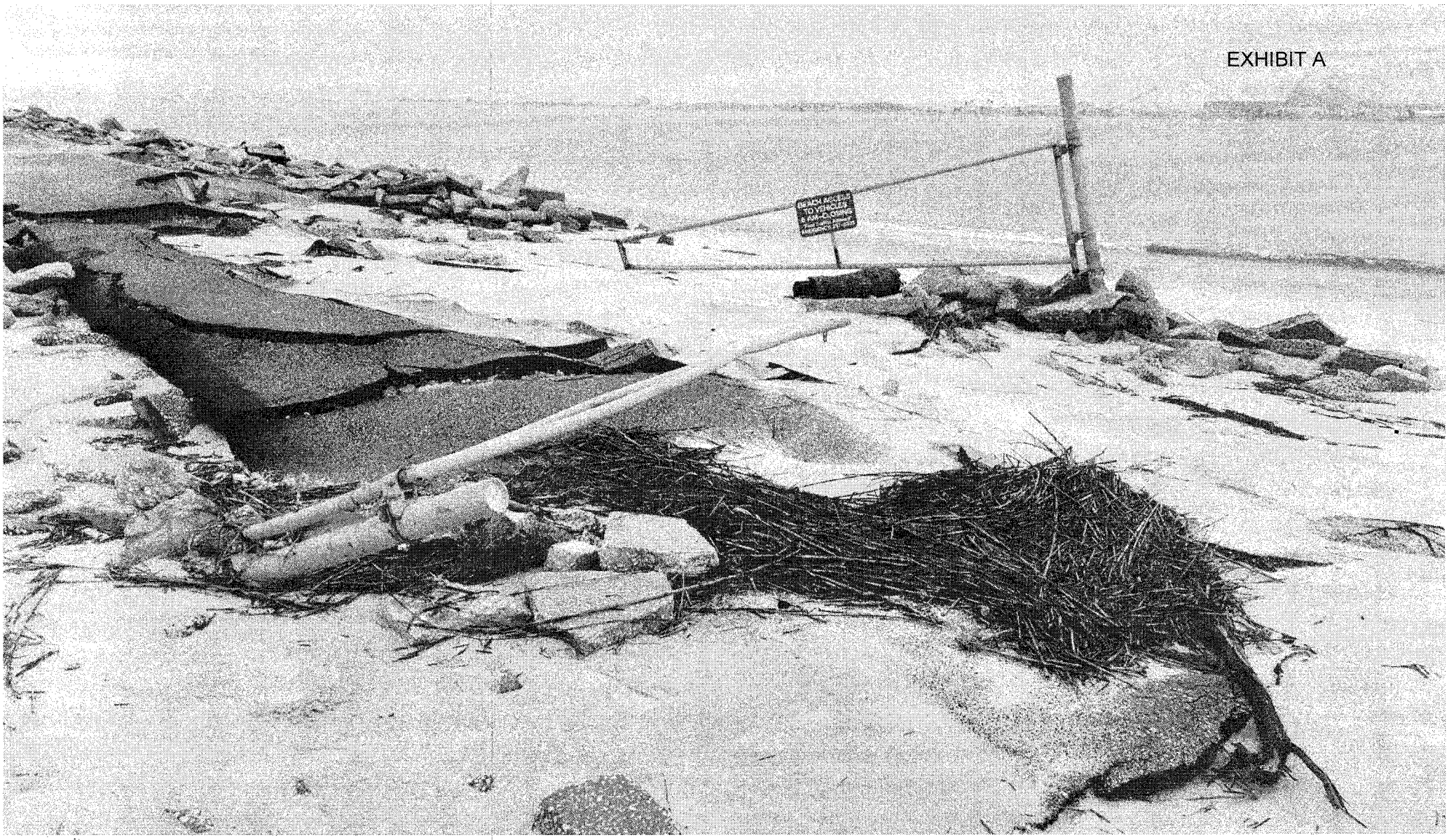

EXHIBIT A

EXHIBIT A

FORT GEORGE INLET

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ELEVATION 5.12
AND REFERS N.A.V.D. 88

DEED BOOKS 458-173, 527-349, 817-307

BENCHMARK:
4" IRON PIPE L.B. # 6487
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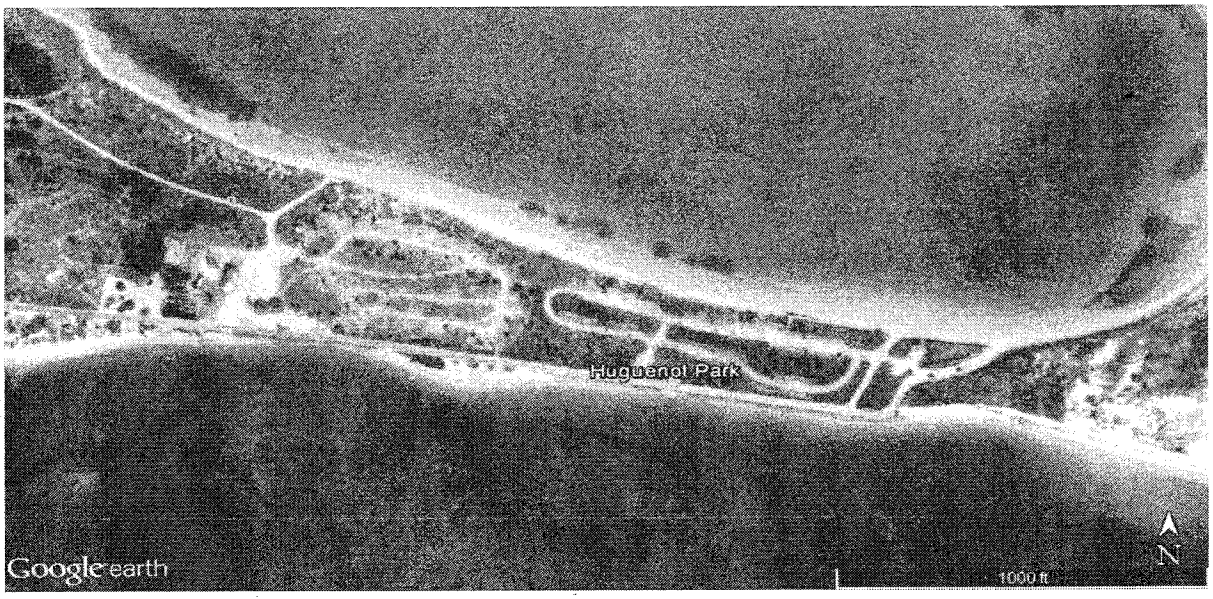
EXHIBIT A

EXHIBIT 'C'



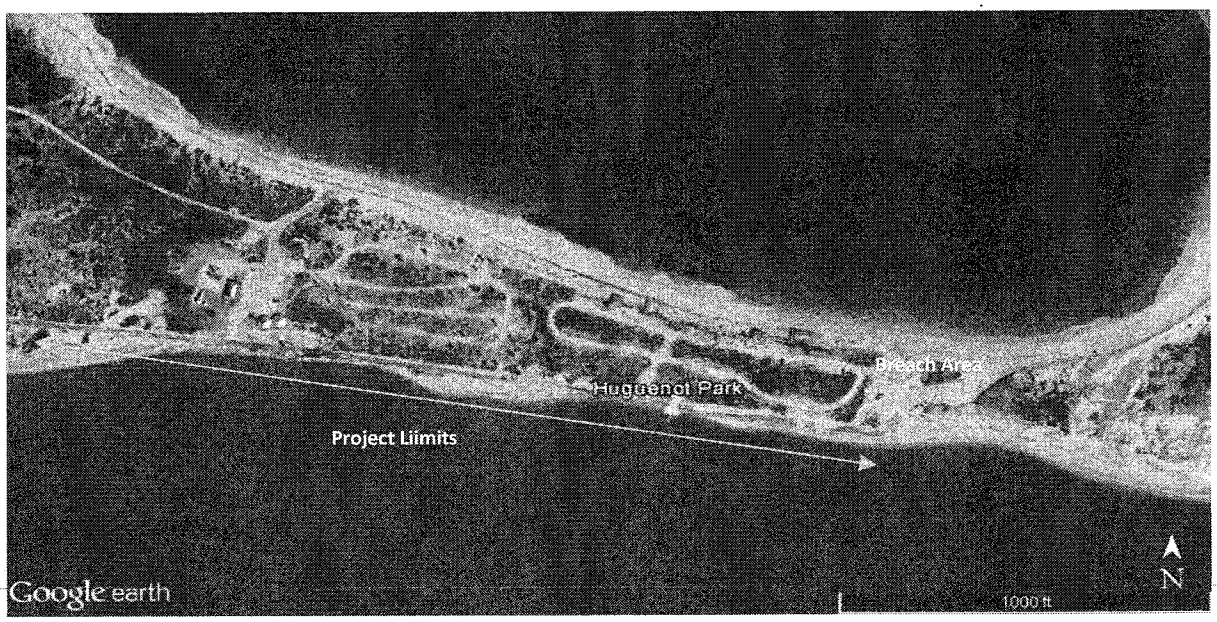


EXHIBIT A

Mayport Naval Station

EXHIBIT 'D'

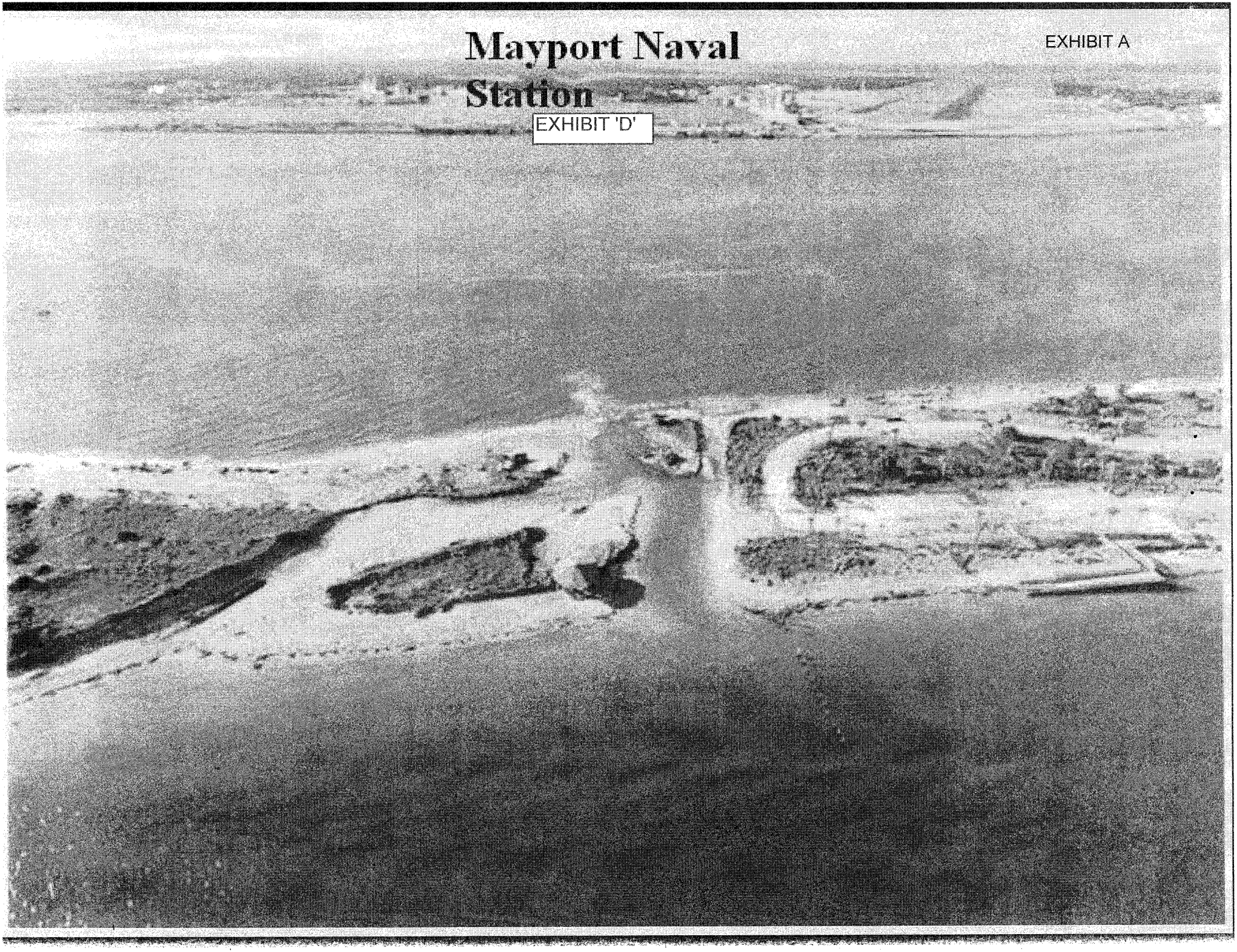


EXHIBIT B

CONTRACT FEE SUMMARY FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART ONE - GENERAL

1. PROJECT Huguenot Memorial Park- Park Access Road Replacement (Hurricane Matthew)	2. PROPOSAL NUMBER P-54-17
3. CONSULTANT Prosser Inc.	4. DATE OF PROPOSAL 10/20/2017

PART TWO - LABOR RELATED COSTS

5. DIRECT LABOR	HOURLY RATE	ESTIMATED HOURS	ESTIMATED COST	TOTAL
Project Manager (Res. Prof.)	$ 61.00	229	$ 13,969.00	
Designer Engineer	$ 43.00	294	$ 12,642.00	
Designer or Technician	$ 36.00	330	$ 11,880.00	
Drafter or CADD Operator	$ 27.50	455	$ 12,512.50	
Clerical	$ 21.63	0	$ -	
TOTAL DIRECT LABOR				$ 51,003.50
6. OVERHEAD (COMBINE FRINGE BENEFIT AND ADMINISTRATIVE) OVERHEAD RATE - 175% X TOTAL DIRECT LABOR				$ 89,256.13
7. SUBTOTAL - LABOR + OVERHEAD (ITEMS 5 & 6)				$ 140,259.63
8. PROFIT - LABOR RELATED COSTS (ITEM 7) X 10%				$ 14,025.96

PART THREE - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS		
24" x 36" Black/White plans	$720.00	
11 X 17 Copies	$40.00	
11 X 17 Color Copies	$176.00	
8.5" x 11" Copies	$60.00	
Mileage	$174.00	
Postage (courier)	$150.00	
Color Plots - Bond Paper	$0.00	
MISCELLANEOUS DIRECT COSTS SUBTOTAL		$1,320.00
10. SUBCONTRACTS - LUMP SUM		
Surveyor - ARC Surveying & Mapping		$ 19,368.00
Geotechnical Engineering - Meskel & Assoc. Engineering		$ 5,860.78
Coastal Engineering - Applied Technology & Management, Inc.		$ 93,455.92
Environmental - Environmental Resource Solutions		$ 1,734.29
SUB-CONTRACT SUBTOTAL		$ 120,418.99
TOTAL LUMP SUM AMOUNT (ITEMS 5,6,8,9 &10)		*$ 276,024.58*
11. REIMBURSABLE COSTS (LIMITING AMOUNT)		
Permitting Fees (Not to Exceed)		$1,500.00
OTHER (SPECIFY)		
SUBTOTAL REIMBURSABLE		$ 1,500.00

PART FOUR - SUMMARY

TOTAL AMOUNT OF CONTRACT (LUMP SUM PLUS REIMBURSABLE) ITEMS 5,6,8,9,10,&11	$ 277,524.58

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EXHIBIT B

Prosser Inc.

DATE: 19-Oct-17
CLIENT: City of Jacksonville
PROJECT: Huguenot Memorial Park - Access Road Replacement (Hurricane Matthew)

	Proj. Mgr. HRS	Design Eng. HRS	Designer\Tech HRS	Drafter\CADD HRS	Clerical HRS		TOTAL HRS
a. General Project Coordination							
Project Management / Phone Calls / Correspondence	16	0	0	0	0	0	16
(3) Site Visits with team	12	0	0	0	0	0	12
(2) Alternatives Meetings - Initial and Final	8	8	0	0	0	0	16
(4) Meetings with City - (2) two hour phone calls & (2) four hour meetings	12	12	0	0	0	0	24
Meetings with Permitting Agency's - USACOE, FDEP, SJRWMD	16	16	0	0	0	0	32
Subtotal Hours	**64**	**36**	**0**	**0**	**0**	**0**	**100**
b. Initial Design Development							
Compile project data and develop project base plan in CAD	3	6	12	11	0	0	32
Develop Alternative Typical Sections	1	2	4	1	0	0	8
Develop Alternative Roadway Alignments	1	2	4	1			8
Develop Alternative Roadway Profiles	1	2	4	1			8
Develop Preliminary Drainage Analysis for Each Alternative	2	4	8	2			16
Analsyze Landscpe and Mitigation Impacts for each Alternative	4	0	0	0			4
Develop Conceptual Engineer's Opinion Probable Construction Cost	3	6	12	11			32
QA/QC	10	0	0	0	0	0	10
Subtotal Hours	**25**	**22**	**44**	**27**	**0**	**0**	**118**
c. Final Design and Permitting Analysis							
Finalize Typical Section Design	2	4	6	8			20
Finalize Roadway Alignement	8	8	20	24			60
Finalize Roadway Profile	8	12	16	24			60
Finalize Drainge Design	6	12	20	24			62
Develop and Submit Permit Calculations	4	6	12	16			38
Signing and Pavement Marking Analysis and Design	8	12	20	32			72
Landscape Mitigation and Design	4	8	12	16			40
Cost Estimate for (3) Submittals	8	16	24	32			80
QA/QC	40	10					50
Subtotal Hours	**88**	**88**	**130**	**176**	**0**	**0**	**482**
d. Permit and Construction Documents							
Construction document development, 60%, 90% & 100% submittals for City review	24	68	88	136	0	0	316
Subtotal Hours	**24**	**68**	**88**	**136**	**0**	**0**	**316**
e. Bid Documents							
Develop bid documents with plans, details & specifications	8	24	68	116	0	0	216
Subtotal Hours	**8**	**24**	**68**	**116**	**0**	**0**	**216**
f. Limited Construction Related Services							
Core Services	12	32	0	0	0	0	44
Additional Construction Related Services	8	24	0	0	0	0	32
Subtotal Hours	**20**	**56**	**0**	**0**	**0**	**0**	**76**
Total Hours	**229**	**294**	**330**	**455**	**0**	**0**	**1308**
Hourly Rate	$167.75	$118.25	$99.00	$75.63	$59.48	$0.00	
Total Labor Dollars	$38,414.75	$34,765.50	$32,670.00	$34,409.38	$0.00	$0.00	$140,259.63

d. Other Costs	**Unit**	**$/Unit**	**Quantity**	**Cost**
24" x 36" Black/White plans (24"x36"x$0.10/sf=$0.60 ea)	ea.	$0.60	1200	$720.00
11 X 17 B&W Copies (2-Draft + 2-Final Reports=4x20=80 pages)	ea.	$0.50	80	$40.00
11 X 17 Color Copies (2-Draft + 2-Final Reports=4x20=20 pages)	ea.	$2.20	80	$176.00
8.5" x 11" Copies (2-Draft + 2-Final Reports=4x60=240 pages)	ea.	$0.25	240	$60.00
Mileage (site visit, meetings City/permit agency's)	mi.	$0.58	300	$174.00
Postage (courier)	mo.	$15.00	10	$150.00
Color Plots Bond Paper (24"x36"=6sf ea.)	sf	$6.50	0	$0.00
				$1,320.00

Total Prosser Inc. Fee **$141,579.63**

ARC SURVEYING & MAPPING, INC.
5202 SAN JUAN AVENUE, JACKSONVILLE, FL 32210
PHONE (904) 384-8377 FAX (904) 384-8388
WWW. ARCSURVEYORS.COM

EXHIBIT B

26 September, 2017

Attn: Paul Moss, RLS
Prosser, Inc.
13901 Sutton Park Drive South, Suite 200
Jacksonville, FL 32224
Phone: (904_ 739-3655
Email: pmoss@prosserinc.com

Re: Topographic & Hydrographic Surveying Services
Huguenot Memorial Park – Access Road Emergency Repairs
Duval County, Florida

Mr. Moss:

As requested, Arc Surveying and Mapping, Inc. (Arc) is providing a proposal for performing topographic surveying and mapping services in support of the City of Jacksonville, Huguenot Park Access Road Improvements.

1) **General Scope:** Arc will provide all equipment and labor resources necessary to perform the topographic survey for the above referenced project. The purpose of the survey is to acquire existing topographic survey data within the study area of Huguenot Park and provide digital mapping products and associated data to facilitate in engineering design and planning options. All work will be managed by a Professional Surveyor and Mapper.

   Task to include:

   i) Establish/Verify Horizontal and Vertical Site Control.

   ii) Topographic Survey within the project limits as provided. To include existing topography, buildings, structures, signage, parking lot features, camp ground features, trails, vegetation, revetments, rip rap, erosion conditions and above ground visible utilities.

   iii) Beach topography in include wading depth profiles at 100' intervals to include existing rock revetment.

   iv) Hydrographic survey within 100ft of shoreline along project limits as provided.

   v) Provide maps and digital files of survey results.

   b) **Horizontal Coordinate System and Vertical Datum:** Arc shall confirm and utilize as the horizontal datum the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD83). Arc shall confirm and utilize as the vertical datum the National American Vertical Datum of 1988 (NAVD88)..

2) **Schedule of Deliverables:**
   a) One 3-D CAD file containing topographic survey results and mapping products.
   b) One set of ASCII computer files containing the base DTM data (breaklines, edge lines, spot elevation points, etc.).
   c) One set of signed and sealed record drawings depicting the results of the survey.

3) **Total Lump Sum Fee Schedule: $19,368**

TOTAL FEE SUMMARY				
TASK		Rate:	Units	Cost
Land Crew		$ 173.41	48	$ 8,323.48
Laser Scanning		$ 279.76	12	$ 3,357.12
Hydrographic Survey		$ 343.05	8	$ 2,744.40
Processing / Mapping		$ 87.10	47	$ 4,093.70
Project Management		$ 169.79	5	$ 848.95
Total Fee Estimate:				$ 19,367.65

Arc Surveying and Mapping appreciates the opportunity to work with you on this project and are available to answer any questions or concerns you may have.

Sincerely,

Richard Sawyer

Richard J. Sawyer, PSM, Certified Hydrographer
Vice President

EXHIBIT B

Meskel & Associates Engineering
Geotechnical • Environmental • Inspection • Testing

September 26, 2017

Mr. Paul S. Moss, RLA
Prosser, Inc.
13901 Sutton Park Drive South, Suite 200
Jacksonville, Florida 32224

Subject: Proposal for Geotechnical Exploration and Engineering Services
Huguenot Memorial Park – Access Road Emergency Repairs
Jacksonville, Florida
MAE Proposal No. 001217 (Revised)

Dear Paul:

MESKEL & ASSOCIATES ENGINEERING, LLC (MAE) is pleased to present this proposal to provide the geotechnical exploration and engineering services for the subject project.

You provided project information via several emails, telephone conversations, and an on-site meeting. We were also provided with an RFP document dated September 22, 2017. The project site is a 2,420 linear feet (approximate) portion of the existing Huguenot Park access road located along the northern shoreline of the St. Johns River, in Jacksonville, Florida.

The roadway was significantly damaged during Hurricane Matthew in October of 2016, and is currently impassable. We understand that the City of Jacksonville's objective is to replace the roadway so that park and beach access can resume, and that the roadway will be reconstructed within its current alignment as a flexible pavement system. We further understand that the existing Rip Rap revetment along the shoreline adjacent to the roadway may be enhanced as part of this project, and the designers request grain size analysis of bulk samples of the near-surface sands in this area.

The objective of the geotechnical exploration is to provide site and subsurface information to evaluate the subsurface conditions at the site for the proposed construction. Based on the provided information, we propose the following field services:

Test Location	Test No. & Type	Test Depth ft below ground surface
Roadway	6 SPT	10
Breach Area	2 SPT	10
Revetment Area	5 Bulk Samples	0 - 2

In accordance with Florida law, we will attempt to locate existing underground utilities at the site by utilizing the Sunshine State One-Call (SSOC) system. Any private utilities not included in the SSOC system will need to be located by the Owner. Once the SPT borings are completed, they will be backfilled with a cement grout.

The recovered soil samples will be described in the field by the field crew. The field logs and samples will be delivered to our laboratory where the logs will be reviewed and the samples classified by a

8936 Western Way, Suite 12
Jacksonville, Florida 32256
Phone: (904)519-6990 Fax: (904)519-6992

geotechnical engineer. Laboratory classification and index property tests will be performed as necessary on selected soil samples to confirm the soil classification and provide engineering characteristics to estimate compressibility.

A geotechnical engineer, licensed in the State of Florida, will direct the geotechnical exploration and provide an engineering evaluation of the subsurface conditions encountered at the boring locations. The results of the exploration and engineering evaluation will be documented in a report which will include the following:

- Our understanding of the planned construction
- The observed site conditions, such as topography, surface vegetation, etc. as it relates to the anticipated construction
- Field and laboratory test procedures used and results obtained
- The encountered subsurface conditions, including subsurface profiles, measured groundwater levels, and estimated geotechnical engineering properties, as necessary
- A geotechnical engineering evaluation of the site and subsurface conditions with respect to the anticipated construction
- Recommendations for pavement design, and
- Recommendations for testing required during site preparation and earthwork construction

Based on the scope of the services outlined above, we propose to complete our work for a Not-To-Exceed fee of **$5,860.78**. An itemization of this fee estimate is attached. We will contact you immediately if we encounter subsurface conditions that could require additional borings or the borings to be advanced to deeper depths, and/or if additional engineering analysis/evaluation outside the scope of this proposal is necessary.

A returned copy of the attached authorization sheet will authorize our work. Our work will be performed in accordance with our General Conditions, a copy of which is attached to and made a part of this proposal.

We appreciate this opportunity to provide this proposal for your project. If you have any questions concerning this proposal, or if we can serve you in any other way, please contact me.

Sincerely,

MESKEL & ASSOCIATES ENGINEERING, LLC

Joey Broussard, P.E.
Director of Geotechnical Engineering

P. Rodney Mank, P.E.
Principal Engineer

Distribution: Mr. Paul S. Moss, RLA – Prosser, Inc. One (1) e-mail copy

Attachment

PROPOSAL DOCUMENT GENERAL CONDITIONS

Payment – Payment shall be due within 30 days after date of invoice.

Insurance – Meskel & Associates Engineering (MAE) maintains Commercial General Liability with limits of $1,000,000 – per occurrence, $2,000,000 general aggregate, $2,000,000 products and completed operations aggregate. A certificate of insurance can be provided at your request evidencing such coverage. All subcontractors to MAE maintain Workers' Compensation, Employer's Liability with limits of $1,000,000 bodily injury by accident – each accident, $1,000,000 bodily injury by disease – each employee, $1,000,000 bodily injury by disease – policy limit. Workers Compensation coverage is in accordance with the Workers Compensation Law for the State of Florida.

Professional Liability: MAE maintains Professional Liability with limits of $2,000,000 each claim and $3,000,000 aggregate. A certificate of insurance can be provided at your request evidencing such coverage.

Right-of-Entry – Unless otherwise agreed, Client will furnish right-of-entry on the property for MAE to make the planned borings, surveys, and/or exploration. MAE will take reasonable precautions to minimize damage to the property caused by its equipment and sampling procedures, but the cost of restoration or damage which may result from the planned operations is not included in the contracted amount.

Legal Jurisdiction – The parties agree that any actions brought to enforce any provision of this Agreement shall only be brought in a court of competent jurisdiction located in Jacksonville, Duval County, Florida.

Damage to Existing Man-made Objects – It shall be the responsibility of the Owner or his duly authorized representative to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. When cautioned, advised or given data in writing that reveal the presence or potential presence of underground or overhead obstructions, such as utilities, MAE will give special instructions to its field personnel. As evidenced by your acceptance of this proposal, Client agrees to indemnify and save harmless MAE from all claims, suits, losses, personal injuries, death and property liability resulting from unusual subsurface conditions or damages to subsurface structures, owned by Client or third parties, occurring in the performance of the proposed work, whose presence and exact locations were not revealed to MAE in writing, and to reimburse MAE for expenses in connection with any such claims or suits, including reasonable attorney's fees.

Limitation of Responsibility – Client hereby agrees to the fullest extent permitted by law the Consultant's total liability to Client for any and all injuries, claims, losses, expenses or damages whatsoever arising out of or in any way relating to the project, the site, or this Agreement from any cause or causes including but not limited to the Consultant's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty shall not exceed the greater of the total amount paid by the Client for the services of the Consultant under this contract or $50,000.00, whichever is greater.

Client and the Consultant agree that to the fullest extent permitted by law the Consultant shall not be liable to Client for any special, indirect or consequential damages whatsoever, whether caused by the Consultant's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

To the fullest extent permitted by law, Client agrees to defend, indemnify, and hold Consultant, its agents, subcontractors, and employees harmless from and against any and all claims, defense costs, including attorneys' fees, damages, and other liabilities arising out of or in any way related to Consultant's reports or recommendations concerning this Agreement, Consultant's presence on the project property, or the presence, release, or threatened release of asbestos, hazardous substances, or pollutants on or from the project property; **provided that** Client shall not indemnify Consultant against liability for damages to the extent caused by the negligence or intentional misconduct of Consultant, its agents, subcontractors, or employees.

Use of Documents – All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

PURSUANT TO FLORIDA STATUTES SECTION 558.0035 (2013) AN INDIVIDUAL EMPLOYEE OR AGENT OF MAE MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Sampling or Testing Location – Unless specifically stated to the contrary, the fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests. Field tests or boring locations described in our report or shown on our sketches are based on specific information furnished to us by others or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report.

Sample Handling and Retention – Generally test samples or specimens are consumed and/or substantially altered during the conduct of tests and MAE, at its sole discretion, will dispose (subject to the following) of any remaining residue immediately upon completion of test unless required in writing by the Client to store or otherwise handle the samples. (a) NON HAZARDOUS SAMPLES: At Client's written request, MAE will store test samples and specimens, or the residue thereof for ninety (90) days after submission of MAE's report to Client free of storage charges. After the initial 90 days and upon written request, MAE will store test specimens or samples for a mutually acceptable storage charge and period of time. (b) HAZARDOUS OR POTENTIALLY HAZARDOUS SAMPLES: In the event that samples contain substances or constituents hazardous or detrimental to human health, safety or the environment as defined by federal, state or local statutes, regulations, or ordinances ("Hazardous Substances" and "Hazardous Constituents", respectively), MAE will, after completion of testing and at Client's expense: (i) return such samples to Client; (ii) using a manifest signed by Client as generator, will have such samples transported to a location selected by Client for final disposal. Client agrees to pay all costs associated with the storage, transport, and disposal of such samples. Client recognizes and agrees that MAE is acting as a Bailee and at no time does MAE assume title of said waste.

Discovery of Unanticipated Hazardous Materials – Hazardous materials or certain types of hazardous materials may exist at a site where there is no reason to believe they could or should be present. MAE and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. MAE and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for MAE to take immediate measures to protect health and safety. MAE agrees to notify Client as soon as practicable should unanticipated hazardous materials or suspected hazardous materials be encountered. Client encourages MAE to take any and all measures that, in MAE's professional opinion, are justified to preserve and protect the health and safety of MAE's personnel and the public. Client agrees to compensate MAE for the additional cost of working to protect employees' and the public's health and safety. In addition, Client waives any claim against MAE, and agrees to defend, indemnify and save MAE harmless from any claim or liability for injury or loss arising from MAE's discovery of unanticipated hazardous materials or suspected hazardous materials. Client also agrees to compensate MAE for any time spent and expenses incurred by MAE in defense of any such claim, with such compensation to be based upon MAE's prevailing fee schedule and expense reimbursement policy relative to recovery of direct project costs.

Force Majeure – MAE shall not be held responsible for any delay or failure in performance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war, strike, embargo, government requirement, civil or military authority, acts of God, act or omission of subcontractors, carriers, client or other similar causes beyond its control.

8936 Western Way, Suite 12
Jacksonville, Florida 32256
Phone: (904)519-6990 Fax: (904)519-6992

EXHIBIT B

Meskel & Associates Engineering
Geotechnical ▾ Environmental ▾ Inspection ▾ Testing

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

PART I - GENERAL	
1. Project COJ Parks Projects (Prosser)	**2. Contract Number** P-22-11
3. Name of Sub Consultant Meskel & Associates Engineering, PLLC	**4. Date of Proposal** 9/26/2017

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Manager	$48.08	6.0	$ 288.48	
Sr. Project Engineer	$40.87	-	$ 0.00	
Staff Engineer	$28.50	12.0	$ 342.00	
CAD Operator	$20.00	8.0	$ 160.00	
Sr. Engineering Tech.	$22.00		$ 0.00	
Clerical	$17.00	2.0	$ 34.00	
TOTAL DIRECT LABOR	$37.48	22.0		$824.48
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate			200% x Total Direct Labor	$1,648.96
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$2,473.44
8. PROFIT: Labor Related Costs (Item 7)			10% x (Labor + Overhead)	$247.34

PART III - OTHER COSTS				
9. Miscellaneous Direct Costs				
Field Exploration:				
Mobilization of Crew & Eq. (Small Barge)	0	$1,750.00	$ 0.00	
Mobilization of Crew & Eq. - Portable Tripod Rig	0	$750.00	$ 0.00	
Movement of Crew & Eq. Between Boreholes	0	$165.00	0.00	
Mobilization of Crew & Eq. - ATV Rig	1	$450.00	450.00	
SPT Boring - Water: 0 to 30 feet	0	$22.00	$ 0.00	
SPT Boring - Water: 30 to 50 feet	0	$25.00	0.00	
SPT Boring - Land: 0 to 30 feet, per foot	80	$11.00	880.00	
SPT Borings - Land: 30 to 50 feet, per foot	0	$12.00	0.00	
SPT Borings - Land: 50 to 100 feet, per foot	0	$14.00	0.00	
Grouting Borings, per foot	80	$6.50	520.00	
Crew time to collect bulk samples from revetment area	4	$165.00	660.00	
Auger Borings, per foot	0	$8.75	0.00	
DRI Test (Dry Pond)	0	$400.00	0.00	
Temporary Casing, 4-inch, per foot	0	$10.00	0.00	
Temporary Casing, 3-inch, per foot	0	$7.00	0.00	
Lab Testing:				
Natural Moisture Content, ea.	7	$10.00	70.00	
Percent Passing No. 200 Sieve, ea	4	$35.00	140.00	
Soil Gradation, ea	7	$60.00	420.00	
Organic Content, ea	0	$40.00	0.00	
Atterberg Limits, ea	0	$80.00	0.00	
Lab Perms-Horizontal Hydraulic Conductivity, ea	0	$275.00	0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				$3,140.00
10. SUBCONTRACTS (Lump Sum)				
			$	
			$	
SUB-CONTRACT SUB-TOTAL				$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)				$5,860.78
11. REIMBURSABLE COSTS (Limiting Amount)				
SUB-TOTAL REIMBURSABLES				$0.00

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$5,860.78**

Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

MIKE DEW
SECRETARY

June 15, 2017

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, 2018 for contracting purposes.

	Home/ Branch Office	Field Office	Facilities Capital Cost of Money	Overtime Premium	Direct Expense	Published Fee Schedule
Indirect Cost	266.84%	124.16%	0.322%	Reimbursed	3.11% (Home) 0.00% (Field)*	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.

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

Coastal Engineering Support

Huguenot Memorial Park Access Road Emergency Repairs

PREPARED FOR:

PROSSER™

13 OCTOBER 2017

WWW.APPLIEDTM.COM

Important Notice: The information contained in this proposal is proprietary to Applied Technology & Management, Inc. and is intended solely for the lawful use of the persons named above; it must not be used for any other purpose other than its evaluation; and it must not be divulged to any other third party, in whole or in part, without the prior written permission of ATM.

INTRODUCTION

Applied Technology & Management (ATM) is pleased to submit this proposal to Prosser, Inc. (Client) for coastal engineering support with planning, design, and permitting associated with emergency repairs to the Huguenot Memorial Park access road, which was damaged by Hurricane Matthew on October 7, 2016. Subsequent damage occurred during Hurricane Irma in September 2017.

It is our understanding from photos provided and a site visit with COJ and SERT staff on 24 January 2017, that a combination of waves, currents, and extreme water levels resulted in shoreline erosion along ~ 2,100 LF of the park shoreline along the St. Johns River and resulted in varying levels of damage to the existing concrete rubble revetment and the access road. The spit was breached between Ft. George inlet and the St Johns River just east of the point where the road crosses the isthmus to provide access to the east facing beaches of the park. This area also may be reviewed for mitigation. Currently the roadway is closed because it is impassable due to the extensive damage. This goal of this project is to provide design options for erosion control measures, to provide improved protection for the access road during future storms. It is noted that any solution, without raising the roadway elevation, will not be able to address overtopping due to the existing elevation of the roadway and ongoing sea level rise. Initial discussion with FDEP indicate that a vertical bulkhead type solution is not allowable under state regulations due to the park's designation as an aquatic preserve. It is also understood that relocation of the road is not currently a desired solution, and that to be eligible for FEMA reimbursement the road must be repaired/replaced in its original (pre-storm) location. However, consideration of additional "mitigation" for futures storm impacts is possible and likely to be recommended. The project limits are shown in Figure 1 below.

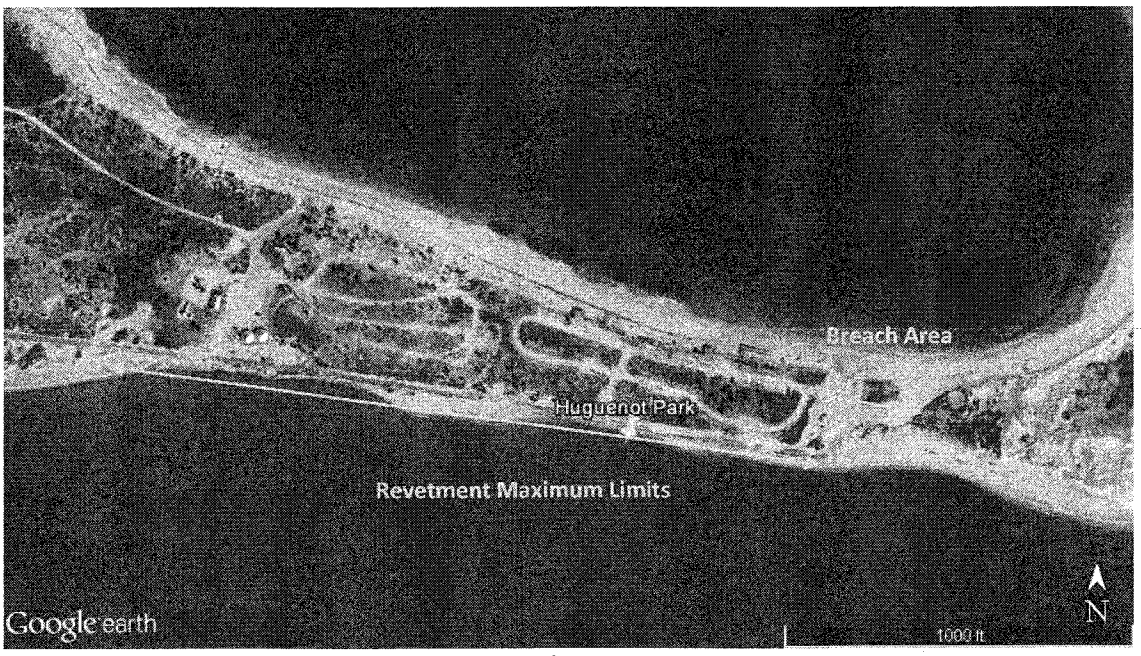

Figure 1. Huguenot Park Revetment Project Limits

The subject lands where the revetment and road require repair/replacement are owned by the Federal government but managed by the City. Initial review suggests that regulatory permits for the work will be required from both the SJRWMD and USACE.

ATM's role in this project will be to provide coastal engineering input to the Prosser team during concept planning, permitting, and design stages for the repair/replacement of the shoreline revetment. Others on the team will address geotechnical issues, road repair/replacement, and stormwater/drainage improvements. ATM recommends that the City also pursue the placement of beach compatible materials as nourishment along this stretch of the park, via the USACE (not included in scope other than basic initial recommendations). This shoreline was designated as a disposal site for beach compatible material from the St Johns River navigation project channel maintenance, but it has never been constructed and would require inquiries and demonstrated interest and coordination by the City to the USACE.

This design scope is predicated on a series of necessary, early assumptions which are described herein. This scope and associated fees in the detailed design phase may need to be revisited as the project progresses, if the agreed concept plan approved by the Client differs significantly from that described herein.

PROPOSED SCOPE OF SERVICES

TASK 1 – SITE SURVEYS AND COASTAL ENGINEERING ASSESSMENT

- Provide input into scope of services required for survey and geotechnical services. We anticipate that the survey will include shoreline edge and topographic information including the existing revetment, roadway, vegetation (if any), MHW and MLW lines, and other coastal structures. The survey should extend waterward to wading depth below MLW. Prosser has advised that the survey will not include a hydrographic component. The surveyor should combine the beach/topographic survey with available USACE surveys of the St Johns River entrance channel (depths and near edge of channel location) along the project limits.

- Complete site visit of the access road with Prosser and City representatives to understand project design goals, funding limits, and other constraints. We will also interview available park staff regarding their observations and erosion protection efforts conducted to date.

- Perform desktop coastal engineering and exposure assessment including the following:
    - Conduct a cursory review of shoreline change/erosion data (if any), available aerial photography and related coastal engineering permits and studies of the site from the City, USACE, and FDEP. As the local sponsor of Federal projects, it is assumed that the City will facilitate requests to the USACE and/or FDEP to obtain available design reports and studies. This task does not include any field gaging, numerical modeling, or physical modeling.
    - Complete a brief desktop wind-wave exposure review of the site to determine extreme wind, water level, current, and wave conditions for project design. This does not include field data collection or numerical or physical modeling, and will rely on readily available public data sources and empirical calculations. The final design criteria for the revetment design must be accepted by the City prior to advancing project final design. Typically, a shoreline revetment may be designed to withstand a 50-year return period event from a stability perspective, unless the City requires a 100-year or other level due to the importance of the road. Overtopping may require some upland improvements to limit storm erosion landward of the revetment crest.

TASK 2 – CONCEPT DESIGN

- Work with the Prosser team to develop a conceptual shoreline stabilization plan and Probable Opinion of Construction Cost. At this time the base solution appears to be a rock revetment. One alternate solution will be considered, and provided to the Client if deemed viable.
- Early high-level concept cost estimates related to FEMA damage mitigation will be provided, in conjunction with Prosser's related work. This may include (1) replacement of the existing revetment with proper rock design instead of concrete rip-rap and elevation of the protection and (2) additional mitigation by way of stabilizing the breach area across the spit between Ft George inlet interior water and the St Johns River as described in the introduction. Such additional mitigation may be in the form of a buried geotextile tube or rock solution.
- Complete preliminary permit investigation (FDEP/SJRWMD, USACE) to determine likely permitting requirements and limitations. This will focus on repair/replacement vs. new shoreline stabilization measures. Since the project lies within Federally owned land, a State Submerged Land Lease (SSLL) should not be required but some consent or other agreement with the USACE may be required. Any legal surveys related to ownership or land use are not included.
- ATM's findings will be provided to Prosser in summary memo format, with applicable concept level drawings/sketches. Prosser will incorporate ATM's work into their overall deliverable for the City.

TASK 3 – PERMIT & CONSTRUCTION DOCUMENTS

- Once the concept plan is approved, ATM will assist Client with preparing applications for state (SJRWMD) and USACE permits for the work. ATM will attend one pre-application meeting with the Client and applicable regulatory agencies (on site or in Jacksonville) to review the proposed project prior to submittal but once preliminary design drawings are completed (including stormwater and roadway preliminary design by Prosser). The base drawings for any components other than the shoreline stabilization requirements (i.e., roadway, landscaping, stomwater, etc.) and applicable forms for such components shall be provided by Client based on the Task 2 results. Permit fees, wetland delineations or other environmental studies, and addressing any potential contamination/remediation or mitigation issues are not included. An evaluation of potential downdrift impacts of any shoreline stabilization structures is not included herein; if required by the permit agencies, this would require a change order. An allowance of 12 hours is included for permit coordination/meetings. If any consents for land use or legal surveys are required, these items will be provided by others or as additional services. FWC or USCG permits related to any signage or aids to navigation are not included. Attendance at public hearings, meetings, etc. is not included. It is assumed that the City will provide permit application and public notice fees, signatures, and necessary supporting information (deeds, etc.).
- ATM will develop design of the City's selected shoreline stabilization structure in accordance with the approved concept plan developed in Task 2 and City approved design criteria. This will include shoreline stabilization plans, typical sections, and technical specifications. Geotechnical analysis/requirements, drainage/stormwater, and roadway design are by others.

- Construction Document progress submittals will be made at 60% and 90%, including ATM's applicable drawings and technical specifications, and associated cost estimate input to Client. It is usually recommended to not advance design beyond ~ 60% level before regulatory permits are received, or at least once initial permit review comments have been received.

TASK 4 – BID DOCUMENTS

- ATM will provide 100% level construction documents of the applicable Task 3 elements to the Client following City review comments. Deliverables will be provided to Client in digital PDF format. ATM will sign/seal requested number of hardcopies of final project deliverables (i.e., for 10-set review or City record documents) which Client will plot/print when such submittals are required.

FEE

See attached spreadsheet

EXCLUSIONS/CONDITIONS

The following are not included in ATM's scope, in addition to anything listed above:

- Meetings and/or presentations other than those identified
- Surveys and geotechnical investigations and recommendations
- Coastal engineering studies beyond the scope identified for the roadway shoreline stabilization (i.e., does not include beach erosion or shoreline change analysis, numerical modeling of coastal processes, downdrift impact evaluations of proposed structures, beach nourishment solutions, etc.)
- Bidding services, including development of front-end and related bid documents and responding to RFIs
- Construction Phase Services, including review of shop drawings and submittals, site visits, pay application reviews, and as-built certifications
- Environmental Assessments or detailed Environmental Studies
- Mitigation planning, design, and permitting
- The City of Jacksonville will be handling all FEMA coordination and processing associated with this project, other than 1 team meeting in Jacksonville, at a time defined by the City.

CONTRACT FEE SUMMARY FOR DEPARTMENT OF PARKS & REC.
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project: Architectural/Engineering Services for the Huguenot Mem. Park - Access Road Emergency Repair	2. Project Number
3. Name of Consultant APPLIED TECHNOLOGY & MANAGEMENT, INC.	4. Date of Proposal 10/13/17

PART II - LABOR RELATED COSTS				
5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Officer	$75.76	6.00	$454.56	
Principal	$62.25	137.00	$8,528.25	
Professional IV	$51.05	98.00	$5,002.90	
Professional III	$46.84	20.00	$936.80	
Professional II	$41.27	24.00	$990.48	
Professional I	$37.41	240.00	$8,978.40	
EIT/Senior Designer	$32.97	8.00	$263.76	
CADD Designer	$26.48	177.00	$4,686.96	
Administrative	$20.74	40.00	$829.60	
TOTAL DIRECT LABOR		750.00		$30,671.71
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate 175% x Total Direct Labor				$53,675.49
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$84,347.20
8. PROFIT: Labor Related Costs (Item 7) x 10%				$8,434.72

PART III - OTHER COSTS			
9. Miscellaneous Direct Costs			
Reproduction	$	100.00	
Other (Postage, Courier, Phone)	$	180.00	
Travel/Transportation	$	394.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$674.00
10. SUBCONTRACTS (Lump Sum)			
SUB-CONTRACT SUB-TOTAL			$0.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$93,455.92
11. REIMBURSABLE COSTS (Limiting Amount)			
SUB-TOTAL REIMBURSABLES			$0.00

PART IV - SUMMARY	
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	$93,455.92

EXHIBIT B

Environmental Resource Solutions
Our Science. Your Success.

19 October 2017

Mr. Paul Moss
Prosser, Inc.
13901 Sutton Park Drive South, Suite 200
Jacksonville, Florida 32224

RE: Huguenot Memorial Park- Access Road Emergency Repairs
Proposal/Contract for Services
ERS Proposal No. P17219

Dear Mr. Moss:

Environmental Resource Solutions, Inc. (ERS) is pleased to provide you with this proposal/contract to conduct a threatened/endangered species survey for the above referenced project located in Jacksonville, Duval County, Florida.

We look forward to working with you on this project. Please feel free to contact me with any questions.

Sincerely,

ENVIRONMENTAL RESOURCE SOLUTIONS, INC.

Jonathan Summerfield
Senior Environmental Scientist

Attachment: Proposal/Contract for Services

JDS/P17219_HuguenotRepairs

PROPOSAL/CONTRACT
Prepared for:
Mr. Paul Moss
Prosser, Inc.
13901 Sutton Park Drive South, Suite 200
Jacksonville, Florida 32224
19 October 2017

RE: Huguenot Memorial Park- Access Road Improvements
Proposal/Contract for Services
ERS Proposal No. P17219

Scope of Services

Environmental Resource Solutions, Inc. (ERS) will perform the following tasks:

Task 1 – Wildlife Survey. An ERS Wildlife Biologist will conduct a preliminary wildlife survey of the project area for the presence of threatened or endangered species and critical wildlife habitat. If any threatened or endangered species are observed, their locations will be noted and a map indicating their location and any potential habitat will be provided to the Client. In addition, ERS will conduct a 100% survey for the presence gopher tortoises (*Gopherus polyphemus*) within the road alignment and extending up to 50' outside of the proposed road alignment. ERS will locate the burrows with GPS and provide a map of any burrows to the Client.

ERS will prepare a report of findings summarizing the environmental conditions within the project limits for the Client.

Fixed Fee.....$1,734.29*
*** See attached spreadsheet**

ERS is pleased to provide you with these services. Our invoices are prepared monthly on a fixed fee basis. Payment is due within 30 days of receipt of invoice. Both parties agree to resolution of any disputes within a Duval County, Florida court. This serves as an agreement between Environmental Resource Solutions, Inc. and the below signatory. If the client's account, after default, is referred to an attorney or collection agency for collection, client shall pay all of ERS expenses incurred in such collection efforts including, but not limited to court costs and reasonable attorneys' fees.

Please sign this proposal and return a copy to our office. We look forward to working with you.

TERMS ACCEPTED:

For:	_____	For:	**Environmental Resource Solutions, Inc.**
Date:	_____	Date:	19 October 2017
By:	_____ (Signature)	By:	Pharetria C Cay (Signature)
	_____ (Printed/Typed)		for Kim Allerton (Printed/Typed)

JDS/P17219_HuguenotRepairs

EXHIBIT B

Exhibit B

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

PART I - GENERAL	
1. Project Huguenot Memorial Park Access Road Emergency Repairs	2. City RFP No. / Contract No.
3. Name of Consultant Environmental Resource Solutions	4. Date of Proposal 10/19/2017

PART II - LABOR RELATED COSTS				
5. Direct Labor (Limiting Amount)	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal (Partner or Senior Officer)	$ 50.00	1	$ 50.00	
Project Manager (Resp. Professional)	$ 50.00	0	$ 0.00	
Environmental Scientist I	$ 38.25	12	$ 459.00	
Environmental Scientist II / Constr. Supervisor	$ 32.12	0	$ 0.00	
Environmental Scientist III / Mitigation Monitor	$ 30.07	0	$ 0.00	
Environmental Scientist IV / Field Inspector	$ 25.00	0	$ 0.00	
Environmental Scientist V	$ 24.33	0	$ 0.00	
Mitigation Laborer	$ 14.40	0	$ 0.00	
GIS Specialist	$ 24.33	5	$ 121.65	
Drafter or CADD Operator	$ 15.75	0	$ 0.00	
Clerical (Word Processor, Document Assembly)	$ 16.82	0	$ 0.00	
TOTAL DIRECT LABOR	$ 35.04	18		$ 630.65
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate	150 % x Total Direct Labor			$ 945.98
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 1,576.63
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 157.66

PART III - OTHER COSTS			
9. Miscellaneous Direct Costs (Lump Sum)	Quantity	Unit Cost	
		$	
		$	
		$	
		$	
		$	
		$	
		$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL			$ -
10. SUBCONTRACTS (Limiting Amount)			
		$	
		$	
SUB-CONTRACT SUB-TOTAL			$ -
TOTAL LIMITING AMOUNT (Items 5, 6, 8, 9 and 10)			$ 1,734.29
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)	$ 1,734.29