

# CITY OF OCALA CONTINUING PROFESSIONAL SERVICES CONTRACT WORK ORDER

WORK ORDER NUMBER # 11

EFFECTIVE DATE:

July 15, 2025

Contract  
Manager  
Approval /  
Initials

**Project Title: Concrete Pads (Fuel Containment Pad, Aircraft Wash Rack and Vehicle Parking Spaces) and Procurement Phase Services**

To: *McFarland-Johnson, Inc.*

49 Court Street  
Suite 240  
Binghamton, NY 13901

Attn:

341-334-000-000-09-33407  
451-099-999-542-81-99800

**FUNDING SOURCE:**

<b>EXPENDITURE</b>	341-050-722-542-54-31010
<b>ACCOUNT NUMBER:</b>	451-027-722-542-54-31010

In accordance with the executed City Council Agreement # AIR/220118, you are hereby authorized to commence the work outlined in the attached Scope of Services labeled Exhibit "A", the Fee Proposal labeled Exhibit "B." The approved work order amount shall be a Lump Sum amount of **\$102,117.00**. Completion time for the work shall be as stipulated by the Airport Director. An expiration of the Master Agreement, through no fault of either party, shall not relieve the Consultant of their obligation for completing the tasks identified herein to the satisfaction of the City.

Requested By: \_\_\_\_\_

Originating Department Director

Date: 7/7/2025

Approved By: \_\_\_\_\_

City Council President

Date: \_\_\_\_\_

**EXHIBIT A**  
**WORK AUTHORIZATION NO. 11**

**CONTINUING GENERAL AVIATION ENGINEERING SERVICES**  
**OCALA INTERNATIONAL AIRPORT CONTRACT NO. AIR/220118**

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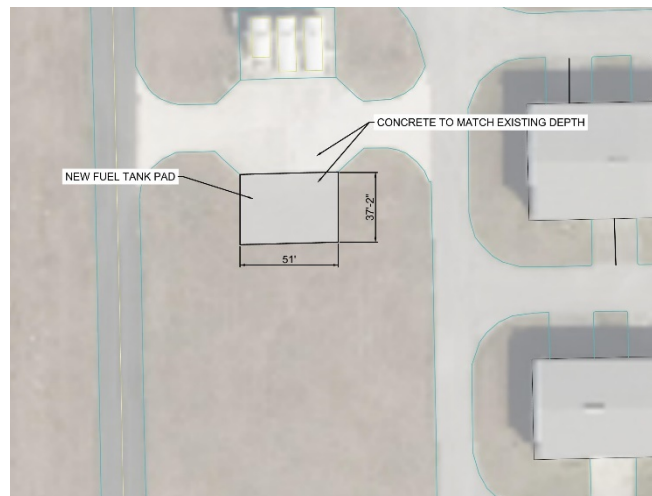
This Work Authorization No. 11 establishes the Scope of Services and Compensation for specific work to be performed by McFarland-Johnson, Inc. ("Consultant") under the CITY OF OCALA Contract No. AIR/220118.

The Scope of Services to be provided by Consultant consists of the following:

**PROJECT DESCRIPTION**

The City of Ocala and the Ocala International Airport (Airport) has identified three locations for concrete pavement to enhance the operational aspects of general aviation and airport maintenance/operations. This Work Plan describes the scope of professional services for design, bidding and construction phase services performed by Consultant Team members for the project. The three components of this project scope include:

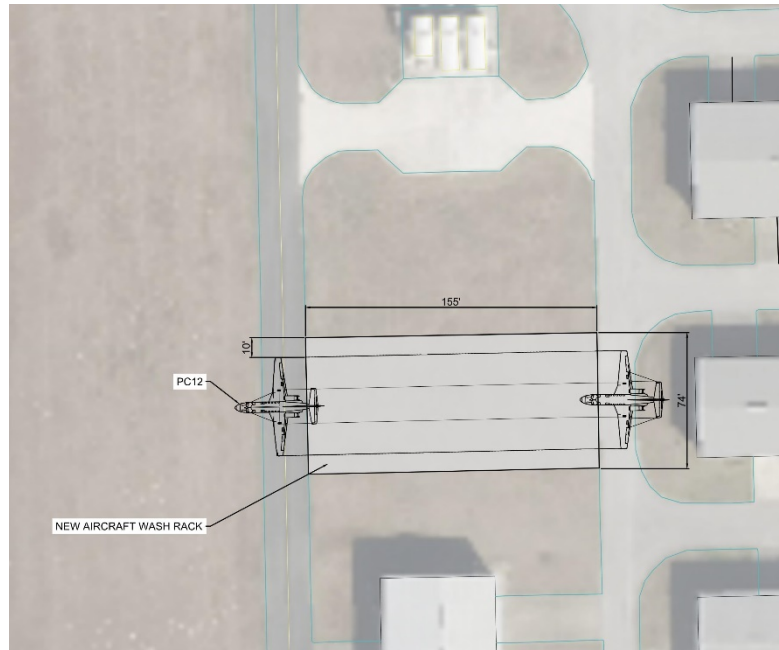
- Fuel Tank Containment Pad – This component of the project includes the design of a concrete fuel tank containment pad to accommodate up to three (3) future fuel tanks. The concrete pad will mirror the existing fuel tank containment pad currently in place. It is anticipated that the fuel containment pad will accommodate two (2) 12,000-gallon Jet-A fuel tanks and one (1) 12,000-gallon AVGAS fuel tank. Dimensions of the fuel containment pad will be approximately 37'-2" by 51' with a 4" curb along the perimeter of three sides. Power, communications and water service will be included in the design. Fuel tank and all associated connection, permitting and acceptance will be provided under a separate contract.



**FUEL TANK CONTAINMENT PAD**

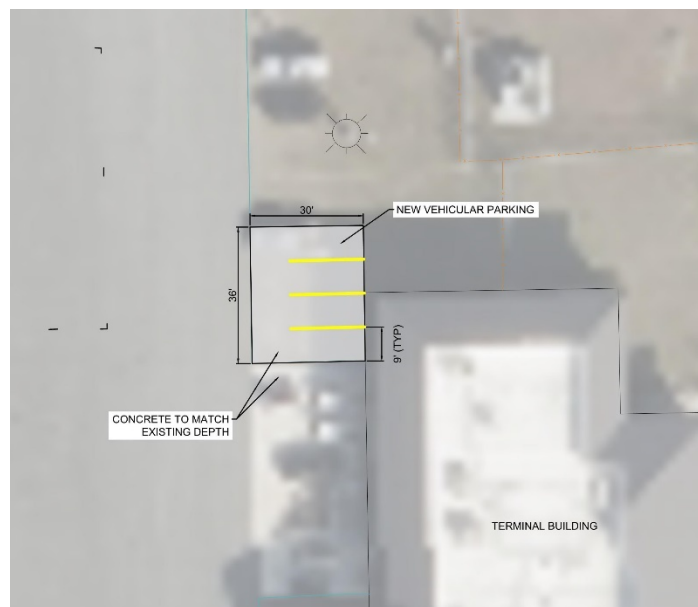
- Aircraft Wash Rack – This component of the project includes the design of an aircraft wash rack. The wash rack will be designed to accommodate a Pilatus PC-12, or similar aircraft.

Components include the concrete pad, oil/water separator. Dimensions of the wash rack will be approximately 155' by 74'. Wash rack equipment, installation and acceptance will be provided under a separate contract.



**AIRCRAFT WASH RACK**

- Task 3 (Operations/Maintenance Parking Pad) – This component of the project includes a concrete pad to accommodate parking for four (4) airport operations/maintenance vehicles. Dimensions of the wash rack will be approximately 30' by 36'. The concrete pad will be located adjacent to the administration door existing to the airside of the General Aviation Terminal Building.



## **AIRPORT ADMINISTRATION/OPERATIONS PARKING PAD**

### **SCOPE OF WORK – DESIGN AND BIDDING**

The CONSULTANT (McFarland-Johnson, Inc.) will provide the following professional services under this scope of work as related to the above-described project: preliminary and final design, specifications, assistance in bidding, and opinion of probable construction cost.

#### **Task 1 - Administration / Project Management**

The following items of work shall be completed under the Administration/Project Management task:

- A. Coordination with the AIRPORT staff, Sheltair and utility company personnel regarding owned and/or operated facilities that may be impacted by the project.
- B. Topographical survey and geotechnical investigation is included in this scope of work.
- C. Submission of construction documents and a building permit application to the City of Ocala, allowing the contractor to obtain a building permit upon contract award.
- D. Virtually attend up to two (2) meetings with the AIRPORT and/or City of Ocala planning and building department representatives to facilitate coordination and project reviews.

#### **Task 2 - Preliminary Design (50%)**

- A. The CONSULTANT will develop the preliminary fuel containment pad, aircraft wash rack and administration parking space plans and outline technical specifications.
- B. Prepare preliminary plans and details. The information to be included will be:
  - Cover Sheet
  - General Notes and Quantities Tables
  - Construction Phasing/Erosion Control Plans and Notes
  - Pavement Typical Sections
  - Geometry Plans
  - Grading and Drainage Plans
  - Drainage and ESC Details
  - Miscellaneous Details & Tables
  - Pavement Marking Plans
- C. Develop preliminary grading plans for review by the City of Ocala Stormwater Engineer for review. The City's Stormwater Engineer will review the preliminary plan and provide comments to McFarland-Johnson, Inc.
- D. Prepare preliminary set of specifications (project manual). Federal Aviation Administration (FAA) and Florida Department of Transportation (FDOT) specifications will be utilized. When special specifications are required, they will be prepared in the same format as the other technical specifications and will be assigned an individual identifier that distinguishes them from the standard specifications.
- E. Prepare a Preliminary Engineer's Opinion of Probable Costs for each major element in

the project. This estimate will be compared to the AIRPORT's budget to determine if portions of the bid plans should be revised/modified in order to bring the project within the current budget.

- F. Submit preliminary plans and specifications to the CITY and AIRPORT for review.
- G. Meet with AIRPORT staff to discuss review comments from the AIRPORT and other local government departments and boards.

### **Task 3 - Final Design (100%)**

- A. Submit a 95% set of plans and specifications to the AIRPORT for review.
- B. After receipt of 95% set review comments from the AIRPORT, complete the drawings and specifications for bidding and construction purposes.
- C. Prepare a bid package to reflect the specific requirements of the CITY. This will include the Notice to Bidders, the standard contract form, the bidding forms, contractor assurances and questionnaire, the standard provisions and conditions, and the specifications.
- D. Prepare final quantity take-offs from the various design documents. An updated opinion of probable construction costs will be generated and compared with the available budget for the project.
- E. Obtain permits, as required, to allow construction of the project. At this time, the anticipated permits required for this project are as follows:
  - Stormwater Pollution Prevention Plan approvals from the CITY and SFWMD as appropriate.
- F. Attend a final project meeting with AIRPORT staff to review the final construction documents and determine the project bidding schedule.
- G. Provide an electronic print ready copy of the bid set to the CITY for advertisement.

### **Task 4 - Permit Services**

- A. Preparation of Documented CATEX – Consultant will prepare a Draft Documented CATEX based on the FAA SOP. Consultant shall ensure this Documented CATEX complies with the requirements and guidelines of FAA Orders 1050.1F, Environmental Impacts: Policies and Procedures, and 5050.4B, NEPA Implementing Instructions for Airport Actions. An electronic version (pdf) of the Draft Documented CATEX will be provided to the Airport for review.

One round of Airport comments will be incorporated. Upon the Airport's satisfaction, the Draft Documented CATEX will be provided to the FAA Orlando Airports District Office (ADO) for review and comment. Hard copies of the Draft Documented CATEX will not be provided. After the FAA reviews the Draft Documented CATEX, Consultant shall revise that documentation based on the comments provided. One round of FAA ADO

comments will be incorporated. The Airport will then submit a Final Documented CATEX to the FAA ADO for their approval.

- B.     SFWMD Permit – The City of Ocala Stormwater Engineer will prepare drainage calculations and all associated documentation for the stormwater permit based upon the design developed by McFarland-Johnson, Inc.
  
- C.     Notice of Proposed Construction (7460) – Consultant will prepare and submit a Notice of Proposed Construction via the FAA’s Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) portal.

**Task 5 - Bidding and Award Assistance**

- A.     Attend and facilitate a project pre-bid meeting to discuss specific project requirements with prospective bidders and answer any questions. Document the meeting proceedings in a formal set of meeting minutes.
  
- B.     Provide responses to questions received from potential bidders through the CITY, and issue formal contract addendums as required.
  
- C.     Prepare and compile bid results, contact the selected contractor, and draft award letters prior to the start of construction. The CONSULTANT will also assist the AIRPORT in reviewing and forwarding contracts for execution by the selected construction contractor.

**DESIGN ASSUMPTIONS**

The following assumptions form the basis of this scope of work. Any changes to the following assumptions will be considered and change in project scope and may require a change in the project budget:

- Bidding for the project is anticipated to occur in the Summer 2025.
- Application, review and permit fees will be the responsibility of the CITY/AIRPORT.
- This contract provides services only through the bidding and award process. A separate contract will be executed for the construction phase.
- Southwest Florida Water Management Permitting will be developed and submitted by the City of Ocala Stormwater Engineer based on the design parameter provided by the CONSULTANT.

**PROPOSED SCHEDULE OF COMPLETION**

The CONSULTANT agrees to complete the work under this phase of the Agreement in a manner satisfactory to the SPONSOR within 5 months from NTP to bid documents (excluding project bidding and award) after receiving an executed copy of this contract from the SPONSOR accompanied by a resolution from its governing body authorizing said execution or within such extended periods as agreed to by the SPONSOR. The schedule breakdown is shown below:

- |   |                  |
|---|------------------|
| •     Notice to Proceed:                      |                  |
| •     Preliminary Design (6 weeks):           | NTP + 6 weeks    |
| •     Preliminary Review and Mtg (2 weeks):   | NTP + 8 weeks    |
| •     Final Design (6 weeks):                 | NTP + 14 weeks   |
| •     Final Review and Mtg (2 weeks):         | NTP + 16 weeks   |
| •     Address final review comments (2 week): | NTP + 18 weeks   |
| •     Bid (45 days – 6.5 weeks):              | NTP + 24.5 weeks |

**4. PRESENTATIONS AND/OR MEETINGS**

The Consultant will conduct the following meetings:

- 1) Project Pre-design or Kick-off Meeting
- 2) Pre-Construction Meeting
- 3) Weekly Project Review Meetings

**5. DELIVERABLES**

The Consultant will provide the following deliverables:

- 1) Project meeting minutes
- 2) Plans and Specifications

**--- END OF SCOPE OF SERVICES ---**

**EXHBIT B**  
**Fuel Pad, Wash Rack and Auto Parking**

**City of Ocala/Ocala International Airport**

**7-3-2025**

**FEE SUMMARY**

	DESIGN / PLANNING SERVICES	
1. DIRECT TECHNICAL LABOR	\$87,310.00	
2. DIRECT EXPENSES	\$4,265.00	
3. SUBCONSULTANT COSTS		
Geotech	\$2,479	
RM Barrineau	\$4,200	
ERS	\$3,863	
4. TOTAL FEE ESTIAMTE	\$102,117.00	
5. TOTAL LUMP SUM FEE FOR ALL SERVICES		\$102,117



[illegible]



### Direct Cost Calculator - Design

PROJECT:	Fuel Pad, Wash Rack and Auto Parking
ESTIMATED BY:	
DATE:	7-3-2025

[illegible]

Lodging	# overnights	rate	amount
	3	\$175	\$525

Meals	meal day	cost / meal day	amount
	9	\$75	\$675

Plots / Prints							
Submission:	Sheets Per	# / Sheet		Total Number		Total Cost	
		Plots	Prints	Plots	Prints	Plots @ \$ 3. ea	Prints @ \$ 3. ea.
USE THIS AREA TO ESTIMATE COST FOR HIRING A VENDOR TO PROVIDE PLOTS AND/OR PRINTS, MJ NO LONGER BILLS FOR IN HOUSE GENERATED PLOTS/PRINTS.				50	50	\$150.00	\$150.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
				0	0	\$0.00	\$0.00
						\$150	\$150

Copies								
Submission:	Black & White				Color			
	Pages / Set	Sets	Total Pages	Pages @ \$ 0.05 ea	Pages / Set	Sets	Total Pages	Pages @ \$ 0.90 ea
USE THIS AREA TO ESTIMATE COST FOR HIRING A VENDOR TO PROVIDE COPIES MJ NO LONGER BILLS FOR IN HOUSE GENERATED COPIES.			0	\$0.00	50	5	250	\$225.00
			0	\$0.00	50	5	250	\$225.00
			0	\$0.00			0	\$0.00
			0	\$0.00			0	\$0.00
			0	\$0.00			0	\$0.00
			0	\$0.00			0	\$0.00
			0	\$0.00			0	\$0.00
			0	\$0.00			0	\$0.00
				\$0	\$450			

Photos	Total Rolls	Rolls @ \$ 0.0 ea
	0	\$0

Telephone	Months	Months @ \$ 0.0 ea
	0	\$0

Postage/Delivery	Packages	Packages @ \$ 5.0 ea
	25	\$125

Miscellaneous	
Item	Cost
Airfare	\$1,500
	<u>\$1,500</u>



## SES Environmental Resource Solutions LLC

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25 June 2025

Mr. Bob Overby, P.E.  
McFarland Johnson  
VIA Email: [roverby@mjinco.com](mailto:roverby@mjinco.com)

**RE: Ocala International (OCF) Fuel Pads and Wash Rack  
Ocala, Marion County, Florida  
Proposal/Contract for Services  
ERS Proposal No. P260007**

Dear Mr. Overby,

SES Environmental Resource Solutions LLC (ERS) is pleased to provide McFarland Johnson (Client) with this proposal/contract to assist with NEPA support associated with the Ocala International Airport Fuel Pads and Wash Rack project for the Ocala International Airport located in Marion County, Florida. ERS understands that it will be responsible for completing a Documented Categorical Exclusion (CATEX) on the FAA CATEX form.

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

**SES ENVIRONMENTAL RESOURCE SOLUTIONS LLC**

A handwritten signature in blue ink, appearing to read "Keith Rivera", is written over a light blue horizontal line.

Keith Rivera  
Project Manager, Civil Aviation Services

Attachment: Proposal/Contract for Services  
General Terms and Conditions

P260007 OCF Fuel Pads and Wash Rack

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**PROPOSAL/CONTRACT**

Prepared for:  
Mr. Bob Overby, P.E.  
McFarland Johnson  
[roverby@mjinc.com](mailto:roverby@mjinc.com)  
25 June 2025

**RE: Ocala International (OCF) Fuel Pads and Wash Rack  
Ocala, Marion County, Florida  
Proposal/Contract for Services  
ERS Proposal No. P260007**

***Scope of Services***

**Task 1 – Preparation of a CATEX.** ERS will determine if the project includes any extraordinary circumstances as described in FAA Order 1050.1F, 5-2. Extraordinary circumstances include, but are not limited to, potential impacts to federally- or state-listed species, cultural/historic resources, or jurisdictional wetlands. Following completion of all impact analyses, ERS will prepare and submit a CATEX document for the OCF airport, McFarland Johnson, and FAA to review and comment. ERS will be available to address any comments on the CATEX document by interested parties.

**Project Fee – Fixed Fee .....\$3,863.00**

**Please note that the tricolored bat (*Perimyotis subflavus*) is proposed for federal listing under the Endangered Species Act. At this time, no guidance or management plans have been published to address protections for this species upon listing. If this species is formally listed prior to completion of the project, U.S. Fish and Wildlife Service consultation will be required.**

If this proposal, which incorporates the attached General Terms and Conditions by reference, meets with your approval, please sign below and return a copy to our office as your authorization to proceed. We look forward to working with you.

**TERMS ACCEPTED:**

For: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_

(Signature)

\_\_\_\_\_  
(Printed/Typed)

For: **SES Environmental Resource Solutions LLC**

Date: **25 June 2025**

By:  \_\_\_\_\_

(Signature)

Kim Allerton

\_\_\_\_\_  
(Printed/Typed)

P260007 OCF Fuel Pads and Wash Rack

## FEE SUMMARY

PART I - GENERAL				
<b>1. Project</b> Ocala International Fuel Pads and Wash Rack: Task 1			<b>2. Proposal Number</b> P260007	
<b>3. Name of Consultant</b> SES Environmental Resource Solutions LLC			<b>4. Date of Proposal</b> 6/25/2025	
PART II - LABOR RELATED COSTS				
<b>5. Direct Labor</b>	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Senior Environmental Specialist	\$143.99	3	\$ 431.97	
Environmental Specialist	\$109.77	24	\$ 2,634.48	
CADD/Computer Technician	\$96.31	6	\$ 577.86	
<b>TOTAL DIRECT LABOR</b>		33		\$ 3,644.31
PART III - OTHER COSTS				
<b>6. Miscellaneous Direct Costs</b>				
Mileage		312	\$ 0.70	\$ 218.40
			\$	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL				\$ 218.40
<b>7. SUBCONTRACTS (Cost Plus)</b>				
			\$ 0.00	
SUB-CONTRACT SUB-TOTAL				\$ -
TOTAL COST PLUS AMOUNT (Items 5, 6, and 8)				\$ 218.40
<b>8 REIMBURSABLE COSTS (Limiting Amount)</b>				
			\$ \$0.00	
SES Environmental Resource Solutions LLC (Environmental/Permitting)			\$ 0.00	
			\$ 0.00	
SUB-TOTAL REIMBURSABLES				0
PART IV - SUMMARY				
TOTAL AMOUNT OF CONTRACT (Cost Plus Reimbursables) (Items 5, 6, 7, and 8)				\$ 3,862.71



Oakhurst Professional Park + 1309 S.E. 25<sup>th</sup> Loop + Suite 103 + Ocala, Florida 34471  
**PHONE** (352) 622-3133 + **FAX** (352) 369-3771 + rmbarrineau.com

May 19, 2025

Robert Overby, PE  
McFarland Johnson, Inc.  
roverby@mjinc.com

RE: Proposal for Topographic Surveying Services for City of Ocala Task 11,  
Miscellaneous Concrete Pads, Ocala International Airport

Dear Robert:

Thank you for the Request for Proposal. R.M. Barrineau and Associates, Inc has prepared the following Scope of Surveying Services and timeline for the referenced project.

**Scope of Services:**

**Fee: \$ 4220.00**

Topographic Surveying Services:

The services will be completed in accordance with the Standards of Practice for Professional Surveyors and Mappers, as set forth in the Florida Administrative Code and City of Ocala Land Development Code Standards.

- Fuel Tank Containment Pad: Vertical/Horizontal location of edge of existing concrete pad; collect topographic data for the Pad area of 37'-2" by 51'-4".
- Aircraft Wash Rack: Collect topographic data for the wash rack area of 155' by 74'.
- Operations/Maintenance Parking Pad: Vertical/Horizontal location of the edge of the existing parking in front of Terminal Building; collect topographic data for Parking Pad area of 30' by 36'.
- Fuel tank Containment Pad and Aircraft Wash Rack will be depicted on same Map of Survey. Parking Pad will be depicted on separate Map of Survey.
- Horizontal control will be established by the Florida West State Plane Coordinate System and depicted on the survey.
- Vertical control will be established by and tied to NAVD 88.
- TBM's will be set on site and referenced on Survey.
- Certified PDF print and CAD DWG FILE will be furnished to McFarland Johnson.

Schedule for Surveying Services:

Estimated timeline for Survey to be completed is three weeks from notice to proceed.

Terms of this proposal are valid for 30 days from date of proposal. If you have any questions regarding the proposal, please do not hesitate to contact our office. If the terms are acceptable, please email authorization to proceed and we will schedule the project. An invoice will be submitted upon completion of the project, with payment due in 30 days. Thank you for the opportunity to submit a proposal for this project.

Rate Schedule for Task 11 is listed below.

P.S.M.:	Calcs/Coordinates; Review Maps	2.75 hrs @ \$145	\$ 398.75
Crew:	Estab Control; topo; locations; tbn's	18.50 hrs @ 140	2590.00
CAD Tech:	Process Data; Draft Maps	13.75 hrs @ 80	1100.00
Adm:	Track time; invoice	3 hrs @ 45	135.00
			=====
			(\$4223.75)
			\$4220.00

Rounded to Total for Project

Sincerely,

*Diane Barrineau*

Diane Barrineau, CFO

R.M. Barrineau and Associates, Inc.



Reginald M. Barrineau, P.S.M., Founded, 1988

Oakhurst Professional Park + 1309 S.E. 25<sup>th</sup> Loop + Suite 103 + Ocala, Florida 34471

PHONE (352) 622-3133 + FAX (352) 369-3771 + rmbarrineau.com

**FEE SCHEDULE FOR R.M. BARRINEAU AND ASSOCIATES INC.**

Effective January 1, 2022

**PROFESSIONAL SERVICES:**

Professional Surveyor and Mapper	\$ 145.00 per hour
Field Crew	140.00 per hour
CAD Technician	80.00 per hour
Survey Technician/Research	80.00 per hour
Administrative	45.00 per hour
Depositions/Court Testimony (P.S.M.)	150.00 per hour

**COST OF MATERIALS:**

Additional Prints	\$ 5.00 per print
Express-mail	Cost

*Diane Barrineau*

CFO

R.M. Barrineau and Associates Inc.

Effective January 1, 2022





ENGINEERING CONSULTANTS IN GEOTECHNICAL · ENVIRONMENTAL · CONSTRUCTION MATERIALS TESTING

June 25, 2025  
Proposal No. 15517  
Revision A

Robert Overby, P.E.  
Aviation Design Manager  
McFarland and Johnson  
1522 Penman Road, Suite 14  
Jacksonville Beach, FL 32250

Reference: Proposed Fuel Farm, Ocala International Airport, 1770 SW 60<sup>th</sup> Avenue  
Ocala, Florida  
**Budget Proposal for Geotechnical Engineering Consultant Services**

Dear Mr. Overby:

Per your request, Geo-Technologies, Inc. (Geo-Tech) is submitting this budget proposal to assist you on your project.

Based on our conversations and email correspondence with you on April 17, 2025 and June 24, 2025, Geo-Tech understands the project consists of fuel tank pad, parking area and aircraft wash rack.

Geo-Tech's scope of services for this project will consist of the following:

- Two (2) standard penetration test (SPT) soil borings to depths of twenty (20) feet below existing site grade in the proposed fuel tank area.
- Two (2) soil borings to depths of six (6) feet below existing site grade in the proposed parking area.
- Two (2) soil borings to depths of six (6) feet below existing site grade in the proposed aircraft wash rack area.

Geo-Tech typically utilizes track-mounted type drill rigs which allow access to areas typically inaccessible with conventional truck-mounted drill rigs. However, low hanging trees, dense undergrowth and narrow pathways can restrict accessibility to the proposed boring locations. If the abovementioned site conditions exist at the site, Geo-Tech can provide you with an additional quote if clearing services are needed at the site.

Geo-Tech will record our boring locations utilizing a Garmin GPSMap64s unit for traceability as the project develops. Samples will be recovered from the aircraft wash rack and parking area soil borings per ASTM standards and returned to our laboratory for visual classification per the AASHTO classification system. Samples will be recovered from the fuel tank soil borings per ASTM standards and returned to our laboratory for visual classification per the Unified Soil Classification Group System.

A report will be issued presenting our findings, evaluations and recommendations to aid in the foundation design of the proposed parking, fuel tank and aircraft wash rack areas. Foundation design is not included within our scope of services.

Geo-Tech estimates our fee to provide the abovementioned scope of services to be \$2,479.00. Please note, due to increased processing fees incurred, Geo-Tech estimates our fee to be \$2,578.16 when utilizing a credit/debit card to make final payment.

Our scope of services may change depending on the subsurface conditions found and you will only be invoiced for the actual field exploration services performed at the unit rates shown on the attachment. Mobilization fees provided are based on the anticipated number of site visits. Geo-Tech will not exceed our estimated total fee without authorization from you. The proposed scope of services and estimated prices are itemized and presented in Attachment A.

The report will be available about five (5) business days after the completion of the field exploration and associated laboratory testing services. Field exploration services will not be initiated until the signed authorization is received. Payment for services is required prior to delivery of the sealed reports.

We sincerely appreciate the opportunity to submit this budget proposal to you and understand the importance of providing prompt professional service to keep your project on schedule. Should you have any questions concerning this budget proposal or if we may be of further assistance, please do not hesitate to contact the undersigned.

Sincerely,



Grady N. Polk  
Staff Engineer

GNP/CAH



Craig A. Hampy, P.E.  
Senior Project Engineer

## **Attachment A**

Proposed Scope of Services and Estimated Prices

**Attachment A**  
**Proposed Scope of Services and Estimated Prices**

**Field Services:**

• Mobilization of Drill Rig 1 mobilization @ 300.00/each	\$300.00
• Auger Borings (Shallow Hand Augers – ASTM 4700) 4 borings @ 6 L.F. @ 10.00/L.F.	\$240.00
• Standard Penetration Test Borings (ASTM 1586) 0' – 50' 2 borings @ 20 L.F. @ 13.00/L.F.	\$520.00
• Grout Borehole 40 L.F. @ 4.00/L.F.	\$160.00

**Laboratory Services:**

• Soil Classification 2 hours @ 52.00/hour	\$104.00
• Sieve Analysis 4 tests @ 40.00/each	\$160.00

**Professional and Technical Services:**

• Principal Engineer 3 hours @ 135.00/hour	\$405.00
• Soil Scientist 4 hours @ 95.00/hour	\$380.00
• CADD Draftsman 2 hours @ 55.00/hour	\$110.00
• Secretary 2 hours @ 50.00/hour	\$100.00

<b>Total</b>	<b>\$2,479.00</b>
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			Unit	Cost
Professional and Technical Services:				
1.	Principal Engineer		hour	135.00
2.	Project Engineer		hour	95.00
3.	Staff Engineer		hour	80.00
4.	Soil Scientist		hour	95.00
5.	CADD Draftsman		hour	55.00
6.	Secretary		hour	50.00
Materials Testing Services:				
1.	Engineering Inspectors			
	a.	Earthwork Field Inspector, Level 1 and 2	hour	55.00
	b.	Asphalt Inspector, Level 1 and 2	hour	55.00
	c.	Asphalt Plant Inspector, Level 1 and 2	hour	55.00
	d.	Concrete Inspector, Level 1 and 2	hour	65.00
	e.	Drilled Shaft Inspector	hour	65.00
	f.	Q.C. Manager	hour	65.00
2.	Structural and Threshold Inspections			
	a.	State Certified Building Inspector (minimum 3 hours)	hour	55.00
	b.	Threshold Inspection (minimum 3 hours)	hour	65.00
3.	Compaction Testing			
	a.	Nuclear Gauge Method (minimum 3 per hour)	each	19.00
	b.	Calibrated Drive Sleeve Method	each	17.50
	c.	Depth Determinations (Base, Subbase) Set of 3	Each	21.00
4.	Concrete Testing			
	a.	Mold, Transport, Cure, and Test All Cylinders Set of 3 Cylinders	set	76.50
	b.	Additional Cylinders	Each	10.00
	c.	Waiting beyond 1 hour of arrival at site	hour	55.00
	d.	Extra Slump Test (ASTM C-143)	each	9.00
	e.	Air Content Volumetric Method (ASTM C-231)	each	12.00
	f.	Unit Weight and Relative Yield of Fresh Concrete	each	30.00
5.	Asphalt Coring			
	a.	Depth Check, Density, 2", 4"	each	35.00
	b.	Patch Hole, 4"	each	10.00
	c.	Patch Hole, 6"	each	14.00
6.	Rolling Straight Edge		Per mile	725.00

		<b>Unit</b>	<b>Cost</b>
7.	MOT	Per Event	Cost + 10%
<b>Laboratory Services:</b>			
1.	Standard or Modified Proctor (AASHTO T-99 or T-180 4" Mold)	each	75.00
2.	Laboratory Limerock Bearing Ratio Test (LBR)	each	225.00
3.	Asphalt Mixtures		
	a. Bitumen Extractions	each	80.00
	b. Gradations of Extracted Aggregates	each	80.00
	c. Marshall Stability (Includes Density, Flow, and Stability of 3 Specimens)	each	150.00
	d. Items a, b, and c above performed at the same time	each	250.00
	e. Asphalt Mix Design	hour	540.00
4.	Soil Classification	hour	52.00
5.	Atterberg Limits	each	70.00
6.	Organic Content	each	40.00
7.	Sieve Analysis (-200 Wash)	each	40.00
8.	Natural Moisture Content	each	10.00
9.	Gradation (Dry Sieve Analysis)	each	60.00
10.	Carbonites	each	65.00
11.	Permeability Tests (Lab) (Falling Head)	each	180.00
12.	Corrosion Series	each	180.00
13.	pH Test	each	35.00
<b>Geotechnical Exploration Services:</b>			
1.	Mobilization of Men and Equipment (Asphalt and Concrete Coring)	occurrence	145.00
2.	Mobilization of Drill Rig	occurrence	300.00
3.	Auger Borings (Shallow Hand Augers – ASTM 4700)	L.F.	10.00
4.	Auger Borings (Drill Rig – ASTM 4700 or Direct Push Undisturbed Sampling)		
	a. 0' – 50'	L.F.	10.00
	b. 50' – 100'	L.F.	11.00
	c. 100' – 150'	L.F.	13.00
	d. 150' – 200'	L.F.	16.00
5.	Cone Penetration Testing		
	a. 0' – 50' Continuous Data Sampling	L.F.	9.00

			Unit	Cost
	b.	50' – 100' Continuous Data Sampling	L.F.	10.00
	c.	100' – 150' Continuous Data Sampling	L.F.	11.00
6.	Standard Penetration Test Borings (ASTM 1586)			
	a.	0' – 50'	L.F.	13.00
	b.	50' – 100'	L.F.	15.00
	c.	100' – 150'	L.F.	18.00
	d.	150' – 200'	L.F.	22.00
7.	Undisturbed Samples (Shelby Tubes)			
	a.	0' – 50'	sample	175.00
	b.	50' – 100'	sample	200.00
8.	Temporary Casing			
	a.	0' – 50'	L.F.	6.00
	b.	50' – 100'	L.F.	7.00
	c.	100' – 150'	L.F.	9.00
9.	Field Horizontal/Vertical Permeability Test		each	155.00
10.	Fillable Porosity		each	40.00
11.	Grout Boreholes (Mandatory if Limestone is Encountered)		L.F.	4.00
12.	Site Clearing Supervision		hour	100.00
13.	Site Clearing (Minimum 1 Day)		day	1,200.00
14.	Boring Layout (Per Site)		hour	100.00
15.	Well Development		hour	100.00
16.	Decontamination of Equipment		hour	125.00
17.	Extra Split Spoons		sample	25.00
18.	OVA Rental		day	106.50
19.	Groundwater Sample Analysis by EPA...		each	Cost + 10%
20.	Soil Sample Analyzed for EPA Methods...		each	Cost + 10%
21.	Encore Samplers, Low Level Soil Sample		each	5.50
Geophysical Site Exploration:				
1.	Ground Penetrating Radar (No Mobilization Fee)		day	2,200.00