**Exhibit 'A'**

OCALA INTERNATIONAL AIRPORT

# Taxiways C, C1, and C3

# SCOPE OF DESIGN SERVICES

## Contract # AIR/220118

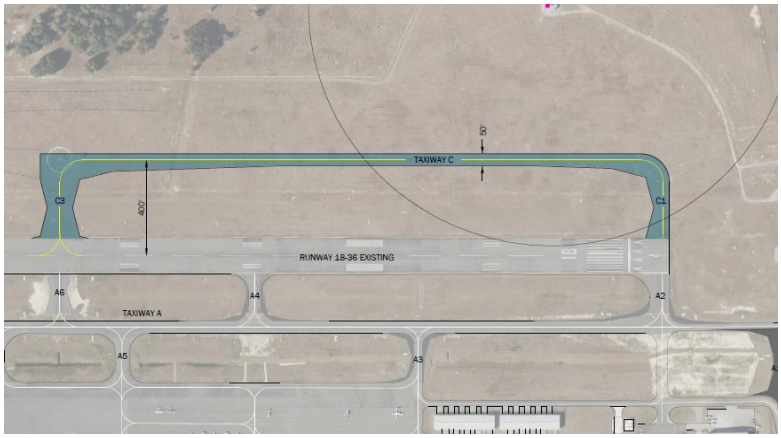
Infrastructure Consulting and Engineering
5550 W. Idlewild Avenue
Suite 115
Tampa Florida 33634
P 813.330-2701

**Exhibit "A" – SCOPE OF SERVICES**
**OCALA INTERNATIONAL AIRPORT**
**TAXIWAYS C, C1, AND C3**
**SCOPE OF SERVICES**

## INTRODUCTION

INFRASTRUCTURE CONSULTING & ENGINEERING LCC (ICE) shall provide the required professional services to design the **Taxiway C, C1, and C3** project at the OCALA INTERNATIONAL AIRPORT and the CITY OF OCALA, FL. This work will be designed in accordance with the requirements of the Federal Aviation Administration (FAA) and the Florida Department of Transportation (FDOT). The preliminary estimate for the project is $3.7m.

The City of Ocala is seeking professional services to design a new partial parallel taxiway, designated as Taxiway C, on the west side of Runway 18-36 at the Ocala International Airport (OCF). This project aims to enhance the operational safety and efficiency of the airport while meeting the increasing demands of air traffic. The scope includes the full design of Taxiway C, along with the necessary connectors, including C1 and C3, to ensure seamless movement of aircraft between the runway and apron areas. These new taxiways will improve traffic flow, minimize runway incursion risks, and enhance the safety of ground operations. The intention is to provide access to the future apron to accommodate increased aircraft parking and handling capacity. The future apron will be connected to Taxiway C through the design and construction of a connector taxiway, C2, in a different design package for facilitating efficient movement between the apron and the newly developed taxiway network. The project area is roughly 1,645,760 square feet (182,860 SY). This development is part of the City's initiative to enhance the infrastructure at OCF and ensure its capacity aligns with future growth and operational requirements. The proposed improvements will support the safety, operational capacity, and overall functionality of the Ocala International Airport, contributing to a more robust aviation facility for both commercial and general aviation users. All taxiways will be designed to TDG4 and ADG 4 standards (50' width), but the strength of the pavement will not be designed for Group 4 standards. Instead, it will be designed to accommodate the Airport Critical Aircraft, Gulfstream IV, due to limited funding. No edge lights shall be designed at this time, however conduits under pavement shall be installed to mitigate the need for open cutting or directional boring. This adjustment ensures that the taxiways can support the necessary operations while maintaining cost-effectiveness. Future upgrades will be considered as funding becomes available to accommodate larger aircraft if needed. These new taxiways are shown on the approved ALP set and attached herein as Exhibit "C". It is the intent of the airport and the FAA to construct the project in multiple phases to match available funding. Currently, there are two independent phases anticipated.




ICE shall utilize previous environmental work performed under the now re-designated Environmental

Assessment (EA). Utilizing previously performed site investigation, data collection, draft reports, and other documentation from EA phases, ICE shall assemble a Documented Categorical Exclusion (CatEx) as described in FAA Order 1050.1F and FAA Order 5050.4B for submittal to the Federal Aviation Administration. Environmental work completed to date to be utilized and repackaged as a CatEx:

Cultural Resource Assessment – cultural resources investigations completed for original project area; no resources/impacts

Protected Species Assessment – investigations identified the following species potentially affected; Biological Assessment will be prepared/revised to capture revised scope, and include additional surveys as necessary:

- Gopher tortoise
- Burrowing owl
- Southeast American kestrel
- Tricolored bat
- Lewton's polygala
- Longspur balm

Environmental Site Assessment – Phase 1

Preliminary work includes concept preparation and cost estimating. The design effort herein will be for the entire project to generate a complete signed and sealed set of drawings and specifications ready for bidding. Consultant will obtain all permits necessary for construction.

Upon completion of the final design, plans and bid schedule shall be modified for the available funding at that time for a Phase 1 set. Future bid packages shall be prepared under a separate scope and fee.

Major components of the design project include:

- Documented CatEx submittal to FAA
- Geometric Design (to FAA AC 150/5300-13B fillet and radii standards)
- Stormwater ponds and relocation of existing infield drainage
- Site Grading
- Environmental Resource Permit from SWFWMD
- Airfield Guide Signs (reflective, non- lighted)
- Typical sections, cross sections, pavement design, misc. details

The design and production of construction plans will consist of the following items:

| | |
|---|---|
| Paving Plans | Grading |
| Pond/ Swale Design | FDEP/ SWFWMD Permit |
| Earthwork | Survey |
| Geotechnical Evaluation | Pavement Design for Critical Aircraft |
| Pavement Marking | Quantity Calculations |
| Safety Plan and Project Layout | Cross Sections |
| Taxiway Centerline Profiles | Taxiway Guide signs & Lighting |
| FAA and FDOT coordination | Coordination with City |
| Engineer's Reports | Technical Specifications |
| Coordination with Tenants | Stormwater Pollution Prevention Plans |

DBE Goals (for grant compliance)

Compensation for the above-mentioned work will be based on the Manhour and Fee Estimate provided in _____.

The work associated with this Scope includes the various tasks identified herein which are necessary to provide Design Phase Services for the construction of this project.

Professional services to be provided by the consultant shall include the civil engineering services required to accomplish the following items:

## TASK 1 – 30% DESIGN PLANS

Phase 1 services will involve preliminary design and the production of 30% Plans. The design considerations shall include:

- Alternatives Analysis,
- Geotechnical Investigation,
- Field Survey,
- General Coordination with Airport Staff,
- Pavement Design/Analysis,
- Drainage Evaluation,
- Horizontal and Vertical Geometrics,
- Utility Coordination,
- SWFWMD Pre-Application Meeting,
- 30% (Preliminary) Cost Estimates,
- 30% Engineer's Report, and
- Preliminary Construction Schedule.

The Consultant will prepare a revised Construction Cost Estimate, a 30% Engineer's Report, and the Preliminary Plans, which will include:

| | |
|---|---|
| Cover Sheet | Project Layout Plan |
| Typical Sections | Staking and Demolition Plan |
| Profile Sheets | |

*Deliverables: Two (2) copies of the Preliminary Plans in 11"x17" format and 30% Engineer's Report will be submitted to the CITY for distribution to airport staff.*

## TASK 2 – 60% DESIGN PLANS

The Consultant shall address any changes requested by the airport at the 30% Review Meeting in this Phase. Upon issuance of the Notice to Proceed, the Consultant will proceed with the 60% Plans to include the following:

- Preliminary Drainage Design,
- General Coordination,
- Preliminary Grading,
- Preparation of DBE Goals,
- Construction Safety and Phasing Plan,
- 60% Cost Estimates,
- 60% Engineer's Report, and
- Construction Phasing and Schedule.

The Consultant will prepare a revised Construction Cost Estimate, a 60% Engineer's Report, and the 60% Plans, which will include:

| | |
|---|---|
| Cover Sheet | Project Layout Plan |
| Typical Sections | Safety Plan |
| General Notes | Staking and Demolition Plan |
| Preliminary Grading Plans | Profile Sheets |
| Preliminary Cross Sections | Marking Plans |
| Preliminary SWPP Plans | Signing Plans |

The Consultant will meet with the City to review the Plans, Specifications, and the Engineer's Report to verify that all concerns, issues, and potential conflicts are addressed prior to proceeding with 90% Construction Documents.

*Deliverables: Two (2) copies of the 60% Plans in 11"x17" format and 60% Engineer's Report will be submitted to the CITY for distribution to airport staff.*

## Phase 3 – 90% Plans

The Consultant shall address any changes requested by the airport at the 60% Review Meeting in this Phase. Upon issuance of the Notice to Proceed, the Consultant will proceed with the 90% Plans to include the following:

- Preliminary Front End Documents,
- Preliminary Technical Specifications,
- Final Drainage Design,
- Submittal of FDEP/ SWFWMD Permit Application,
- Submittal of CSPP & OE/AAA
- Final Grading Plans,
- 90% Cost Estimate,
- Preliminary Cost Estimates, and
- Construction Phasing and Schedule.

The Consultant will prepare a revised Construction Cost Estimate, a 90% Engineer's Report, and the 90% Plans, which will include:

| | |
|---|---|
| Cover Sheet | Project Layout Plan |
| Typical Sections | Safety Plan |
| General Notes | Staking and Demolition Plan |
| Profile Sheets | Grading and Drainage Plans |
| Drainage Details | Signing and Marking Plans |
| Erosion Control Plans | Cross Sections |
| Miscellaneous Details | |

The Consultant will meet with the CITY to review the Plans, Specifications, and the Engineer's report to verify that all concerns, issues, and potential conflicts are addressed prior to proceeding with Final Construction Documents.

*Deliverables: Two (2) copies of the 90% Plans in 11"x17" format, a draft set of specifications and front end documents, and 90% Engineer's Report will be submitted to the CITY for distribution to airport staff. A copy will also be sent to the FAA, and FDOT for review and comment.*

## Phase 4 – Final Contract Documents

The Consultant shall address minor changes to the plans and any comments from City Procurement for the bidding documents, and then proceed with the 100% Plans to include the following:

- Incorporate City Comments,
- Incorporate Permitting Comments,
- Final Plans,
- Final Front-end Documents,
- Final Technical Specifications,
- General Provisions/Supplementary Conditions,
- Bid Schedule, and
- Final Quantities & Cost Estimate.

The Consultant will prepare a Final Construction Cost Estimate, a 100% Engineer's Report, Bidding Documents and the Final Plans.

*Deliverables): Two (2) copies of the 100% Plans in 11"x17"format, the final Engineer's Report and Contract Documents will be submitted to the CITY for distribution to airport staff, A copy will also be sent to the FAA, and FDOT for their files. Two full sized sets (22"x34") of signed and sealed plans will be submitted for CITY records.*

A "Phase 1" bid package shall be generated from the complete for bidding and award. The plans shall modified as well as the bid schedule, and cost estimate to match the funding available at that time.

## Phase 5 – Bidding Services

Bidding phase services are not included at this time and will be negotiated at a later date.

## SCOPE PROVISIONS

A. The CITY will pay all costs associated with any permit application and/or impact fees.
B. Any mitigation of wetlands, impacts to threatened and endangered species, or other environmental efforts beyond the scope of the Focused EA will be performed under a separate agreement.
C. One complete signed and sealed set of plans shall be delivered. This complete design shall be modified to create one set of "Phase 1" bid documents for bidding purposes. Future phased construction sets and bidding phase services shall be packaged under a separate scope and fee.
D. No bidding or construction phase services are included with this proposal.

## SCHEDULE

### DESIGN PHASE SERVICES

| Task | Duration |
|---|---|
| Phase 1 – 30% Plans | 90 Days |
| Phase 2 – 60% Plans | 60 Days |
| Phase 3 – 90% Plans | 60 Days |
| Phase 4 – Final Contract Documents | 45 Days |
| **TOTAL PROJECT DESIGN DURATION** | **315 days *** |

** Contingent on owners review time)*

## FEE

Please see the attached detailed fee proposal.

END SCOPE OF WORK

OCALA INTERNATIONAL AIRPORT/ CITY OF OCALA

# Taxiways C, C1, and C3

EXHIBIT "B"

## FEE SUMMARY

### DESIGN

**BASIC SERVICES**

| | |
|---|---|
| TASK 1 - 30% Design Development | $51,722.81 |
| TASK 2 - 60% Design Development | $85,073.90 |
| TASK 2 - 90% Design Development | $73,058.68 |
| TASK 4 - Final Design | $67,167.14 |
| TASK 5 - Bidding Services | $10,551.06 |
| SUBTOTAL BASIC SERVICES : | **$287,573.59** |

**DIRECT EXPENSES**

| | |
|---|---|
| Reproduction | $1,000.00 |
| TOTAL EXPENSES: | **$1,000.00** |

**SUBCONSULTANT**

| | |
|---|---|
| Survey | $15,500.00 |
| Geotechnical | $14,970.00 |
| TOTAL SUB-CONSULTANT: | **$30,470.00** |

**TOTAL PROFESSIONAL FEES (Lump Sum): $319,043.59**

**EXHIBIT B**

# Taxiways C, C1, and C3

**OCALA INTERNATIONAL AIRPORT**

**TASK 1 - 30% Design Development**

**MANHOUR AND FEE ESTIMATE**

| Item/Task Description | Senior Project Mngr $317.30 | Project Manager A $204.72 | Project Manager B $182.85 | Engineer A $211.54 | Engineer B $112.58 | Designer $135.23 | Admin $75.55 | Total Hours |
|---|---|---|---|---|---|---|---|---|
| Coordination with Airport Staff | 2 | 12 | | | | | 6 | 20 |
| Project Kick-Off Meeting | | 8 | | | | | 1 | 9 |
| Meeting with FAA | | 4 | | | | | | 4 |
| Coordination with Subconsultants | | 4 | 4 | 4 | 4 | 4 | 16 | 36 |
| Review available as-built info- runway, Taxiway A | | 1 | | | | | | 1 |
| Process Field Survey | | 1 | | 2 | | 2 | | 5 |
| Review Geotechnical Investigation | | 1 | 2 | | | | | 3 |
| Pavement Design/ Analysis | | | | 4 | 4 | 2 | | 10 |
| Preliminary Fillet Design | | | | 2 | 2 | 8 | | 12 |
| Preliminary Horizontal Design | | | 2 | 2 | 16 | 60 | | 80 |
| Preliminary Profiles | | | 2 | 2 | 2 | 20 | | 26 |
| SWFWMD Pre-Application Meeting | | 4 | | 8 | | | 4 | 16 |
| Preliminary Cost Estimates | | 1 | | 2 | | 2 | | 5 |
| Preliminary Construction Schedule | | | | 1 | | | | 1 |
| 30% Engineer's Report | | | | | | 16 | | 16 |
| Review Meeting | 3 | 3 | | 3 | | | | 9 |
| Quality Review | 3 | | | 4 | | 4 | | 11 |
| Total Hours: | 8 | 39 | 10 | 34 | 28 | 118 | 27 | 264 |
| **30% Deliverables** | | | | | | | | |
| Cover Sheet | | | | | | 2 | | 2 |
| Project Layout Plans | | | 1 | 2 | | 2 | | 5 |
| Project Schedule/Phasing Plan | | | 1 | 7 | | 2 | | 10 |
| Typical Sections/Paving Details | | | | 2 | | 1 | | 3 |
| General Notes | | | | 2 | | 2 | | 4 |
| Demolition Plans | | | | 2 | | 2 | | 4 |
| Staking and Geometry Plans | | | | 2 | | 1 | | 3 |
| Marking Plans | | | 1 | 1 | | 1 | 1 | 4 |
| Miscellaneous Details | | 1 | 1 | 1 | | 2 | 2 | 7 |
| Quality Review | 2 | | | 8 | | 4 | | 14 |
| Submit Design Development Documents (2 Copies) | 1 | | | 3 | | | | 4 |
| Total Hours: | 3 | 1 | 4 | 30 | 0 | 19 | 3 | 60 |
| TOTAL HOURS | 11 | 40 | 14 | 64 | 28 | 137 | 30 | 324 |
| TOTAL COST | $3,490.30 | $8,188.80 | $2,559.90 | $13,538.56 | $3,152.24 | $18,526.51 | $2,266.50 | **$51,722.81** |

EXHIBIT B

# Taxiways C, C1, and C3

## OCALA INTERNATIONAL AIRPORT

TASK 2 - 60% Design Development

### MANHOUR AND FEE ESTIMATE

| Item/Task Description | Senior Project Mngr | Project Manager A | Project Manager B | Engineer A | Engineer B | Designer | Admin | Total Hours |
|---|---|---|---|---|---|---|---|---|
| | $317.30 | $204.72 | $182.85 | $211.54 | $112.58 | $135.23 | $75.55 | |
| Coordination with Airport Staff | 2 | 8 | | | | | 8 | 18 |
| Coordination with FAA and FDOT | | 4 | | | | | 2 | 6 |
| Coordination with Subconsultants | | 4 | 4 | 4 | 4 | 8 | 8 | 32 |
| Prepare for Review Meeting, Attendance, Minutes | | 4 | | 4 | | | 4 | 12 |
| Finalize Pavement Design | | 2 | 2 | 8 | 8 | 8 | | 28 |
| Finalize Pavement Geometry | | 2 | 2 | 16 | 16 | 24 | | 60 |
| Finalize Profiles | | 2 | 2 | 8 | 8 | 24 | | 44 |
| ***Preliminary Drainage Design*** | | | | | | | | |
| Model Existing Conditions | | | | 8 | 8 | 6 | | 22 |
| Calculate New Impervious and Watersheds | | | | | 8 | 5 | | 13 |
| Coordination with other consultants- stormwater master plan | 4 | | | 4 | | | | 8 |
| Preliminary Pipe sizing | | | | 3 | | | | 3 |
| ICPR Pond Design | | | | 8 | 8 | | | 16 |
| Volume Calculation | | | | | 8 | | | 8 |
| ***Prepare 60% Plans*** | | | | | | | | |
| Preliminary Grading Design | | | | 16 | 24 | 48 | | 88 |
| CSPP Preparation | | 2 | 2 | 8 | | 8 | | 20 |
| 60% Cost Estimates | | 1 | | 2 | | 2 | | 5 |
| 60% Construction Schedule | | | | 1 | | | | 1 |
| 60% Engineer's Report | | | | | | 16 | | 16 |
| Quality Review | 3 | | | 4 | | 4 | | 11 |
| Total Hours: | 9 | 29 | 12 | 94 | 92 | 153 | 22 | 411 |
| **60% Deliverables** | | | | | | | | |
| Cover Sheet | | | | | 1 | 1 | | 2 |
| Project Layout Plans | | | | | 1 | 1 | | 2 |
| Construction Safety & Phasing Plans | | | 2 | 2 | 2 | 4 | | 10 |
| Construction Safety & Phasing Details | | | 1 | | 4 | 4 | | 9 |
| Construction Safety & Phasing Notes | | | 2 | | 2 | 2 | | 6 |
| Typical Sections | | | 1 | 2 | | 4 | | 7 |
| General Notes | | | 1 | 2 | | 2 | | 5 |
| Demolition Plans | | | 1 | | 2 | 4 | | 7 |
| Staking and Geometry Plans | | | 1 | 2 | | 4 | | 7 |
| Grading Plans | | | 2 | 4 | 4 | 8 | | 18 |
| Erosion & Sedimentation Plans & Details | | | 2 | 2 | 2 | 4 | | 10 |
| Cross Sections | | | 2 | 4 | 4 | 8 | | 18 |
| Marking Plans | | | 1 | | 4 | 8 | | 13 |
| Miscellaneous Details | | | 1 | 2 | 2 | 4 | | 9 |
| Quality Review | 4 | 4 | | | | | | 8 |
| Submit Design Development Documents (2 Copies) | | | | 2 | 2 | 2 | 2 | 8 |
| Total Hours: | 4 | 4 | 17 | 22 | 30 | 60 | 2 | 139 |
| TOTAL HOURS | 13 | 33 | 29 | 116 | 122 | 213 | 24 | 550 |
| TOTAL COST | $4,124.90 | $6,755.76 | $5,302.65 | $24,538.64 | $13,734.76 | $28,803.99 | $1,813.20 | **$85,073.90** |

**EXHIBIT B**

# Taxiways C, C1, and C3

**OCALA INTERNATIONAL AIRPORT**

**TASK 2 - 90% Design Development**

**MANHOUR AND FEE ESTIMATE**

| Item/Task Description | Senior Project Mngr | Project Manager A | Project Manager B | Engineer A | Engineer B | Designer | Admin | Total Hours |
|---|---|---|---|---|---|---|---|---|
| | $317.30 | $204.72 | $182.85 | $211.54 | $112.58 | $135.23 | $75.55 | |
| Coordination with Airport Staff | 2 | 8 | | | | | 8 | 18 |
| Coordination with FAA and FDOT | | 4 | | | | | 4 | 8 |
| Coordination with Subconsultants | | 4 | 4 | | 8 | 8 | 4 | 28 |
| Prepare for Review Meeting, Attendance, Minutes | | 4 | 4 | 4 | 4 | 4 | 16 | 36 |
| Preliminary Front End Coordination with Procurement | | 4 | 8 | 16 | | | 16 | 44 |
| Preliminary Technical Specifications | | 4 | 8 | | 16 | | 16 | 44 |
| ***Final Drainage Design*** | | | | | | | | |
| Model Proposed Improvements | | | | 4 | 8 | 8 | | 20 |
| Size Swale & Pipes | | | | 4 | | 8 | | 12 |
| Establish Pipe Grades & Inverts | | | | 4 | | 8 | | 12 |
| Prepare Drainage Report | | 2 | 4 | 4 | | | 8 | 18 |
| Prepare and Submit SWFWMD Permit Application | | 4 | 8 | | 8 | 8 | | 28 |
| ***Prepare 90% Plans*** | | | | | | | | |
| OE/AAA Submittal | | | 2 | | 4 | 4 | | 10 |
| Final Grading Design | | 4 | 4 | 16 | | 16 | | 40 |
| Final Cross Sections | | | 2 | 2 | 2 | 20 | | 26 |
| 90% Cost Estimates | | 1 | | 2 | | 2 | | 5 |
| 90% Construction Schedule | | | 1 | | 1 | | | 2 |
| 90% Engineer's Report | | 2 | 2 | 8 | 8 | 8 | | 28 |
| Quality Review | 4 | 4 | | | | | | 8 |
| Total Hours: | 6 | 45 | 47 | 64 | 59 | 94 | 72 | 387 |
| **90% Deliverables** | | | | | | | | |
| Cover Sheet | | | | | 1 | 1 | | 2 |
| Project Layout Plans | | | | | 1 | 1 | | 2 |
| Construction Safety & Phasing Plans | | | 1 | 1 | 2 | 2 | | 6 |
| Construction Safety & Phasing Details | | | 1 | | 2 | 2 | | 5 |
| Construction Safety & Phasing Notes | | | 2 | | 2 | 2 | | 6 |
| Typical Sections | | | 1 | 2 | | 2 | | 5 |
| General Notes | | | 1 | 2 | | 2 | | 5 |
| Demolition Plans | | | 1 | | 2 | 2 | | 5 |
| Staking and Geometry Plans | | | 1 | 2 | | 2 | | 5 |
| Grading Plans | | | 1 | 2 | 2 | 2 | | 7 |
| Erosion & Sedimentation Plans & Details | | | 1 | 2 | 2 | 4 | | 9 |
| Cross Sections | | | 1 | 2 | 2 | 4 | | 9 |
| Marking Plans | | | 1 | | 2 | 2 | | 5 |
| Miscellaneous Details | | | 1 | 2 | 2 | 2 | | 7 |
| Quality Review | 4 | 4 | | | | | | 8 |
| Submit Design Development Documents (2 Copies) | | | | 2 | 2 | 2 | 2 | 8 |
| Total Hours: | 4 | 4 | 13 | 17 | 22 | 32 | 2 | 94 |
| TOTAL HOURS | 10 | 49 | 60 | 81 | 81 | 126 | 74 | 481 |
| TOTAL COST | $3,173.00 | $10,031.28 | $10,971.00 | $17,134.74 | $9,118.98 | $17,038.98 | $5,590.70 | **$73,058.68** |

**EXHIBIT B**

# Taxiways C, C1, and C3

**OCALA INTERNATIONAL AIRPORT**

**TASK 4 - Final Design**

**MANHOUR AND FEE ESTIMATE**

| Item/Task Description | Senior Project Mngr | Project Manager A | Project Manager B | Engineer A | Engineer B | Designer | Admin | Total Hours |
|---|---|---|---|---|---|---|---|---|
| | $317.30 | $204.72 | $182.85 | $211.54 | $112.58 | $135.23 | $75.55 | |
| Coordination with Airport, Procurement | 4 | 8 | | | | | 4 | 16 |
| Prepare for Review Meeting, Attendance, Minutes | | 4 | | 4 | | | 4 | 12 |
| Finalize Plans | | 4 | | 24 | 24 | 24 | | 76 |
| Calculate Final Quantities | | 2 | | 4 | 4 | 8 | | 18 |
| Prepare and submit OE/AAA | | 2 | | 8 | | 8 | | 18 |
| Address SWFWMD comments | | | 8 | 24 | 8 | 24 | | 64 |
| Finalize Bid Schedule | | 8 | | | 8 | | 8 | 24 |
| Finalize Technical Specifications | | 2 | 4 | 12 | 8 | | 8 | 34 |
| Assemble Bid Schedule | | 2 | | 8 | | | 8 | 18 |
| Prepare Final Engineer's report | | | 4 | 8 | 8 | | 4 | 24 |
| Quality Review | 4 | 8 | | 8 | | | | 20 |
| Total Hours: | 8 | 40 | 16 | 100 | 60 | 64 | 36 | 324 |
| **Finalize Deliverables** | | | | | | | | |
| Cover Sheet | | | | | 1 | 1 | | 2 |
| Project Layout Plans | | | | 2 | 2 | 2 | | 6 |
| Construction Safety & Phasing Plan | | | 1 | 2 | 2 | 2 | | 7 |
| Construction Safety & Phasing Details | | | 1 | 2 | 2 | 2 | | 7 |
| Construction Safety & Phasing Notes | | | 1 | 2 | 2 | 2 | | 7 |
| Typical Sections | | | 1 | 2 | 2 | 2 | | 7 |
| General Notes | | | 2 | 2 | 2 | 2 | | 8 |
| Demolition Plans | | | 1 | 2 | 2 | 2 | | 7 |
| Paving Layout Plan | | | 2 | 2 | 2 | 2 | | 8 |
| Grading Plan | | | 2 | 2 | 2 | 2 | | 8 |
| Marking Plans | | | 1 | 1 | 1 | 1 | | 4 |
| Cross Sections | | | 1 | 1 | 2 | 2 | | 6 |
| Misc Details | | | 1 | 2 | 2 | 2 | | 7 |
| Submit Design Development Documents (2 Copies) | | | | 2 | 2 | 2 | 2 | 8 |
| Total Hours: | 0 | 0 | 14 | 24 | 26 | 26 | 2 | 92 |
| TOTAL HOURS | 8 | 40 | 30 | 124 | 86 | 90 | 38 | 416 |
| TOTAL COST | $2,538.40 | $8,188.80 | $5,485.50 | $26,230.96 | $9,681.88 | $12,170.70 | $2,870.90 | **$67,167.14** |

**EXHIBIT B**

# Taxiways C, C1, and C3

**OCALA INTERNATIONAL AIRPORT**

**TASK 5 - Bidding Services**

**MANHOUR AND FEE ESTIMATE**

| Item/Task Description | Senior Project Mngr | Project Manager A | Project Manager B | Engineer A | Engineer B | Designer | Admin | Total Hours |
|---|---|---|---|---|---|---|---|---|
| | $317.30 | $204.72 | $182.85 | $211.54 | $112.58 | $135.23 | $75.55 | |
| Coordination with Procurement | 1 | 2 | 2 | | | | 2 | 7 |
| Attend Pre-Bid Conference Agenda | | 1 | | 2 | 2 | | 2 | 7 |
| Conduct Pre-Bid Conference | | 2 | | | | | | 2 |
| Minutes to Pre-Bid Conference | | 1 | | | 2 | | 2 | 5 |
| Answers to Bidders/Issue Addenda | 1 | 2 | | 2 | 5 | 2 | 2 | 14 |
| Attend Bid Opening | 2 | 2 | | | | | | 4 |
| Review Bids for Responsiveness | 1 | 2 | | | 2 | | 2 | 7 |
| Certified Bid Tabulation | | 2 | | | 2 | | 2 | 6 |
| Prepare and Submit FAA Grant Application & Sponsor certifications | 1 | 2 | | 4 | | | 2 | 9 |
| Cooridnation with Owner | 1 | 1 | | | | | | 2 |
| Total Hours: | 7 | 17 | 2 | 8 | 13 | 2 | 14 | 63 |
| TOTAL HOURS | 7 | 17 | 2 | 8 | 13 | 2 | 14 | 63 |
| TOTAL COST | $2,221.10 | $3,480.24 | $365.70 | $1,692.32 | $1,463.54 | $270.46 | $1,057.70 | **$10,551.06** |

R.M. BARRINEAU AND ASSOCIATES
PROFESSIONAL SURVEYORS & MAPPERS
Reginald M. Barrineau, P.S.M., Founded 1988

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

Revised February 28, 2025

Hamed Jafarian, PE
Infrastructure Consulting & Engineering
5550 W. Idlewild Ave., Suite 115
Tampa, FL 33634

RE: Proposal for Topographic Surveying Services of Approximately 58 Acres at Ocala International Airport

Dear Hamed:

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: $ 15,500.00**

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.

- Elevation grid will be 50' X 50' or for swales 25' X 25'.
- Horizontal and vertical location of existing above ground improvements and evidence of subsurface utilities, inverts, pipes, rims; including underground utilities marked by others and/or as-built data.
- Horizontal and vertical location of the end of Runways 18 - 36, including edge of pavement and centerline.
- Horizontal and vertical location of approximately 40 soil borings.
- 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.
- Five TBM's will be set on site and referenced on Survey.
- Certified PDF print and CAD DWG 2022 FILE.

Schedule for Surveying Services:
Estimated timeline for Survey to be completed is four 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.

| | Professional Surveyor and Mapper | Field Crew | CAD technician | Survey Technician | Admin | Total |
|---|---|---|---|---|---|---|
| | $145.00 | $140.00 | $80.00 | $80.00 | $45.00 | |
| Field Work | 11 | 73 | | | 10 | $12,265.00 |
| CAD work | | | 25 | 10 | | $2,800.00 |
| Review | 3 | | | | | $435.00 |
| | | | | | Total = | $15,500.00 |

Sincerely,

*Diane Barrineau*

Diane Barrineau, CFO
R.M. Barrineau and Associates, Inc.

# Cal -Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056
Tel. (386) 755-3633 • Fax (386) 752-5456

450 SR 13N, Suite 106-308, Jacksonville, FL 32259
Tel. (904) 381-8901 • Fax (904) 381-8902


December 17, 2024 (Revised on February 26, 2025)

Mr. Hamed Jafarian, P.E.
Infrastructure Consulting & Engineering
5550 W. Idle Wild Avenue, Suite 115
Tampa, Florida 33634

**RE: Proposal for Geotechnical Engineering Exploration & Soil Field Permeability Testing**
**Ocala International Airport-Taxiway C**
**Ocala, Florida**

Dear Mr. Hamed Jafarian, P.E.,

Cal-Tech Testing, Inc. (CTTI) is pleased to submit this proposal to conduct a geotechnical engineering exploration and soil field permeability testing for the proposed new Taxiway C at the Ocala International Airport in Ocala, Florida.

## SITE & PROJECT INFORMATION

Based on the information in your request for proposal and provided Geotech Exhibit, the site is a vacant area of the airport property scheduled for construction of Taxiway C parallel to Runway 18-36.

## SCOPE OF SERVICES

Per your request, the scope of services will consist of drilling 15 Standard Penetration Test (SPT) borings for the proposed taxiway (8 borings, 15 ft. deep) and at locations indicated for stormwater infiltration (7 borings, 20 ft. deep). In addition, we will perform field soil permeability testing next to the stormwater infiltration borings, bulk-sample near-surface soils from three (3) locations of the taxiway for determination of the subgrade California Bearing Ratio (CBR), and cut cores at two (2) locations of the existing Runway pavement.

The boring locations will be laid out by our field crew from GPS coordinates obtained by superposing the provided exhibit on a web-available mapping system using a hand-held device.

We will contact the Sunshine State One-Call System to mark out the underground utilities prior to drilling the SPT borings.

At completion, each borehole will be backfilled with soil cuttings and the soil samples will be delivered to our laboratory for examination and classification by our geotechnical engineer in general accordance with the Unified Soil Classification System.

At completion of the field and laboratory work, we will prepare a report presenting the subsurface soil conditions at the explored locations along with the soils' saturated Hydraulic Conductivity, depth to confining layer, Fillable Porosity and estimated Seasonal High Groundwater Table along with our geotechnical engineering recommendations for design and construction of the proposed taxiway.

## ESTIMATED FEE

| | Geotechnical Engineer | Project Manager | Engineering Tech Level 1 | Engineerig Tech Level 2 | Administraton | Total |
|---|---|---|---|---|---|---|
| | $125.00 | $135.00 | $65.00 | $75.00 | $55.00 | |
| Mobilization | 5 | 2 | 4 | 3 | 4 | $1,600.00 |
| SPT Borings | 5 | 5 | 9 | 6 | 2 | $2,445.00 |
| Pavement Cores | | 5 | 8 | 12 | 2 | $2,205.00 |
| Laboratory Soil Testing | 5 | | 6 | 6 | 2 | $1,575.00 |
| Laboratory CBR Testing | 6 | 6 | 6 | 5 | 2 | $2,435.00 |
| Soil Field Permeability Test | 8 | 3 | 4 | 4 | 3 | $2,130.00 |
| Management | | 2 | | | 2 | $380.00 |
| Engineering and Report Preparation | 5 | 8 | | | 8 | $2,145.00 |
| Administration | | | | | 1 | $55.00 |
| | | | | | Total = | $14,970.00 |

**Limitations**

The soil borings detailed in this proposal presumes standard geotechnical drilling and does not include provisions for drilling through or into environmentally contaminated material.

**Authorization**

If this proposal is acceptable, please sign below and return to our office. A sub-contract agreement will also be sufficient as authorization.

**Closing**

CTI appreciates the opportunity to provide this proposal and we look forward to serving you on this and future projects. Should you have any questions concerning this proposal or the services proposed, please do not hesitate to contact me at our Lake City, FL office (386) 755-3633.

Sincerely,
**Cal-Tech Testing, Inc.**

Ivan E. Marcano, P.E.
Sr. Geotechnical Engineer

Mike Stalvey, Jr.
Vice-President

| Proposal for Geotechnical Engineering Exploration & Soil Field Permeability Testing-Ocala International Airport, Taxiway C, Ocala, Florida | |
|---|---|
| Name of Representative (Print) | Date: |
| Title: | |
| Representative Signature: | |