



County of Hernando
Procurement Department
Carla Rossiter-Smith, Chief Procurement Officer
15470 Flight Path Drive, Brooksville, FL 34604

MOHSEN DESIGN GROUP INCORPORATED RESPONSE DOCUMENT REPORT

RFQ No. 24-RFQG00714/EK

Continuing Engineering Services - Airport

RESPONSE DEADLINE: July 15, 2024 at 10:00 am

Report Generated: Tuesday, November 5, 2024

MOHSEN DESIGN GROUP INCORPORATED Response

CONTACT INFORMATION

Company:

MOHSEN DESIGN GROUP INCORPORATED

Email:

alicia@mdginc.us

Contact:

Alicia Vanderpool

Address:

2202 N. Westshore Blvd., Suite 200

Tampa, FL 33607

Phone:

N/A

Website:

N/A

Submission Date:

Jul 14, 2024 4:39 PM (Eastern Time)

ADDENDA CONFIRMATION

Addendum #1

Confirmed Jul 10, 2024 9:00 PM by Alicia Vanderpool

Addendum #2

Confirmed Jul 10, 2024 9:00 PM by Alicia Vanderpool

QUESTIONNAIRE

1. Download Drug Free Workplace Certificate *

Pass

I have read and attest to, in accordance with Florida Statute 287.087, hereby certify that,

Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace named above, and specifying actions that will be taken against violations of such prohibition.

Informs employees about the dangers of drug abuse in the workplace, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.

Gives each employee engaged in providing commodities or contractual services that are under proposal a copy of the statement specified above.

Notifies the employees that as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, pleas of guilty or nolo contendere to, any violation of Chapter 893, or of any controlled substance law of the State of Florida or the United States, for a violation occurring in the workplace, no later than five (5) days after such conviction, and requires employees to sign copies of such written statement to acknowledge their receipt.

Imposes a sanction on, or requires the satisfactory participation in, a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by any employee who is so convicted.

Makes a good faith effort to continue to maintain a drug free workplace through the implementation of the Drug Free Workplace Program.

"As a person authorized to sign this statement, I certify that the above named business, firm or corporation complies fully with the requirements set forth herein".

Please Confirm that you have read and attest to Download Drug Free Workplace Certificate

Confirmed

2. Sworn Statement

SWORN STATEMENT 287.133 (3) (A)*

Pass

I have read and attest that I understand that a "public entity crime" as defined in Section 287.133 (1)(g) F.S., means a violation of any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any proposal or contract for goods or services to be provided to

any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

I have read and attest that I understand that "convicted" or "conviction" as defined in Section 287.133 (1)(b) F.S., means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any Federal or State trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

I have read and attest that I understand that an "affiliate" as defined in Section 287.133 (1)(a) F.S., means:

- A. A predecessor or successor of a person convicted of a public entity crime; or
- B. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one (1) person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one (1) person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

I have read and attest that I understand that a "person" as defined in Section 287.133(1)(e) F.S., means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which proposals or applies to proposal on contracts for the provisions of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

I have read and attest that based on information and belief, the statement which I have confirmed below is true in relation to the entity submitting this sworn statement:

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH ONE (1) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31, OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT.

Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

IF YOU CHOOSE OPTION 3, PLEASE ATTACH A COPY OF THE FINAL ORDER

The entity submitting this sworn statement, or one (1) or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1,

1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted Vendor/Contractor list

Please attach a copy of the final order

No response submitted

3. Vendor Information

VENDOR/CONTRACTOR INFORMATION*

Pass

Please Provide the following Information:

1. Respondent/Vendor Contractor Name
2. Vendor/Contractor FEIN
3. State of Incorporation
4. Address
5. Phone Number
6. Email Address
 - A. Mohsen Design Group Incorporated
 - B. 88-3921192
 - C. Florida
 - D. 2202 N. Westshore Blvd., Suite 200 Tampa, FL 33607
 - E. 813-244-6609
 - F. mohsen@mdginc.us

AUTHORIZED SIGNATURES/NEGOTIATORS *

Pass

Please provide the information to support the statement below:

The Vendor/Contractor represents that the following persons are authorized to sign and/or negotiate contracts and related documents to which the Vendor/Contractor will be duly bound:

Name(s)

Title(s)

Phone number(s)

Address(es)

Phone Number(s)

Email Address(es)

Mohsen Mohammadi, Ph.D., PE

Principal

813-244-6609

2202 N. Westshore Blvd., Suite 200 Tampa, FL 33607

mohsen@mdginc.us

TYPE OF ORGANIZATION *

Pass

Please select your organization type:

Corporation

W9 FORM*

Pass

Please upload your company's W9 information

W-9_2024_MDG.pdf

ACH ELECTRONIC PAYMENT*

Pass

An ACH electronic payment method is offered as an alternative to a payment by physical check. Please select one of the options.

Yes, ACH electronic payment method is acceptable.

E-VERIFY CERTIFICATION *

Pass

Vendor/Contractor acknowledges and agrees to the following:

Vendor/Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of:

All persons employed by the Vendor/Contractor during the term of the Contract to perform employment duties within Florida; and

All persons, including subcontractors, assigned by the Vendor/Contractor to perform work pursuant to the Contract with the department.

Confirmed

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES*

Pass

Section 287.135 F.S., prohibits agencies from contracting with companies for goods or services of \$1,000,000.00 or more, that are on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector Lists which are created pursuant to s. 215.473 F.S., or the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725 F.S., or companies that are engaged in a boycott of Israel or companies engaged in business operations in Cuba or Syria.

As the person authorized to bind on behalf of respondent, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I further certify that the company is not engaged in a boycott of Israel. I understand that pursuant to section 287.135 F.S., the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs and does not have business operations in Cuba or Syria.

I have read and attest that I confirm the above is acknowledged.

Confirmed

PROPOSAL PRINCIPALS*

Pass

Please name all persons or entities interested in the Proposal as principals.

Name(s)

Title(s)

Phone number(s)

Address(es)

Phone Number(s)

Email Address(es)

Mohsen Mohammadi, Ph.D., P.E.

Principal

813-244-6609

2202 N. Westshore Blvd. Suite 200, Tampa, FL 33607

mohsen@mdginc.us

VENDOR/CONTRACTOR'S LICENSE*

Pass

All Proposers and/or subcontractors performing work requiring a professional or specialty license must be licensed in the State of Florida through the **Division of Business and Professional Regulation**.

Please upload all contractors and subcontractors license(s)/registration(s) required for this project.

Licenses_Combined_MDG.pdf

ANTICIPATES SERVICES OUTSIDE THE UNITED STATES OR FLORIDA*

Pass

Anticipates Services outside the United States or Florida

If the respondent anticipates services under the contract or any subcontracts will be performed outside the United States or Florida, the respondent shall provide in a written statement which must include, but need not be limited to the type of services that will be performed at a location outside the United States or Florida and the reason why it is necessary or advantageous to go outside the United States or Florida to perform such services. (Does not apply to any project that receives federal moneys)

No

4. Additional Required Forms

CORPORATE AFFIDAVIT *

Pass

Please download the below documents, complete, and upload.

- [Corporate Affidavit.pdf](#)

Corporate_Affidavit_MDG.pdf

5. Hernando County Employment Disclosure Certification Statement

AFFIDAVIT OF NON COLLUSION AND OF NON-INTEREST OF HERNANDO COUNTY EMPLOYEES*

Pass

Certification that Vendor/Contractor affirms that the bid/proposal presented to the County is made freely, and without any secret agreement to commit a fraudulent, deceitful, unlawful or wrongful act of collusion.

I have read and attest that I am the Vendor/Contractor in the above bid/proposal, that the only person or persons interested in said proposal are named therein; that no officer, employee or agent of the Hernando

County Board of County Commissioners (BOCC) or of any other Vendor/Contractor is interested in said bid/proposal; and that affiant makes the above bid/proposal with no past or present collusion with any other person, firm or corporation.

Please confirm that you have read and attest to Affidavit of Non Collusion and of Non-Interest of Hernando County Employees

Confirmed

IS ANY OFFICER, PARTNER, DIRECTOR, PROPRIETOR, ASSOCIATE OR MEMBER OF THE BUSINESS ENTITY A FORMER EMPLOYEE OF HERNANDO COUNTY WITHIN THE LAST TWO (2) YEARS? *

Pass

No

IS ANY OFFICER, PARTNER, DIRECTOR, PROPRIETOR, ASSOCIATE OR MEMBER OF THE BUSINESS ENTITY A RELATIVE OR MEMBER OF THE HOUSEHOLD OF A CURRENT HERNANDO COUNTY EMPLOYEE THAT HAD OR WILL HAVE ANY INVOLVEMENT WITH THIS PROCUREMENT OR CONTRACT AUTHORIZATION?*

Pass

No

RELATIVES AND FORMER HERNANDO COUNTY EMPLOYEES - ROLES AND SIGNATURES

If you answered yes to the either of the two prior questions regarding relatives or Hernando employees, please download the below documents, complete, and upload.

- [Relatives and Former Hernan...](#)

No response submitted

6. Vendor Survey

VENDOR SURVEY *

Pass

Please provide information on where you received the knowledge of the bid/request for Qualifications (mark all that apply):

County's eProcurement Portal (Open Gov Procurement)

VENDOR SURVEY - OTHER

If you choose Other please list how you received the knowledge of the bid/request for Proposals.

No response submitted

PROPOSAL*

Pass

Please upload your proposal. The Proposal Format section of Section 4 of this RFQ describes the required Proposal Format. Proposer's should also reference Section 5 Evaluation Criteria.

Statement_of_Qualifications_MDG_24-RFQG00714-EK.pdf

GRANT REQUIRED DOCUMENTS*

Pass

Please download the below documents, complete, and upload.

- [Suspension Debarment Certif...](#)
- [DBE STATEMENT OF GOOD FAITH...](#)
- [DBE-SUB Statement Form \(1\).pdf](#)
- [Exp 2-18-2025 Standard Form...](#)
- [Certification for Disclosur...](#)
- [Felony tax certification pl...](#)

Suspension_Debarment_Certification_(1).pdf

DBE_STATEMENT_OF_GOOD_FAITH_EFFORTS_(1).pdf

DBE-SUB_Statement_Form_(1).pdf

Exp_2-18-2025_Standard_Form_LLL_-_Disclosure_of_Lobbying_Activities_-_SFLLL_1_2_P-V12b_(1).pdf

Certification_for_Disclosure_of_Lobbying_Activities_(1).pdf

Felony_tax_certification_plan_2016.pdf

7. Optional

OPTIONAL UPLOAD OF ADDITIONAL INFORMATION

Please upload any optional/additional information not requested elsewhere.

No response submitted

8. Exceptions

DOES THIS FIRM TAKE ANY EXCEPTIONS TO THE SAMPLE CONTRACT?*

Pass

I have carefully examined the Request for Qualifications (RFQ), Instructions to Proposers, General and/or Special Conditions, Specifications, RFQ Proposal and any other documents accompanying or made a part of this invitation.

I hereby propose to furnish the goods or services specified in the Request for Proposals at the prices or rates quoted in my Proposal. I agree that my RFQ will remain firm for a period of up to one hundred and eighty (180) days in order to allow the County adequate time to evaluate the Proposals. Furthermore, I agree to abide by all conditions of the Proposal.

I certify that all information contained in this RFQ is truthful to the best of my knowledge and belief. I further certify that I am a duly authorized to submit this RFQ on behalf of the Consultant/Firm as its act and deed and that the Consultant/Firm is ready, willing and able to perform if awarded the Contract.

I further certify that this RFQ is made without prior understanding, agreement, connection, discussion, or collusion with any person, firm or corporation submitting a RFQ for the same product or service; no officer, employee or agent of the Hernando County BCC or of any other Proposer interested in said RFQ; and that the undersigned executed this Proposer's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

I further certify that having read and examined the specifications and documents for the designated services and understanding the general conditions for Contract under which services will be performed, does hereby propose to furnish all labor, equipment, and material to provide the services set forth in the RFQ.

I hereby declare that the following listing states any clarifications, any and all variations from and exceptions to the requirements of the specifications and documents. The undersigned further declares that the "work" will be performed in strict accordance with such requirements and understands that any exceptions to the requirements of the specifications and documents may render the Proposer's Proposal non-responsive.

NO EXCEPTIONS ALLOWED AFTER THE RFP IS SUBMITTED:

Does this firm take any exceptions to the Sample Contract?:

No

IF YOU SELECTED "YES" IN THE PRECEDING "EXCEPTIONS" QUESTION, PLEASE UPLOAD ANY EXCEPTIONS TO THIS RFP/RFQ

Any exceptions to the Sample Contract must be clearly indicated by return of the Sample Contract with the Proposal, with exceptions clearly noted.

No response submitted



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mohsen design group incor

[Events](#) **No Name History**

Detail by Entity Name

Florida Profit Corporation
MOHSEN DESIGN GROUP INCORPORATED

Filing Information

Document Number	P22000066858
FEI/EIN Number	88-3921192
Date Filed	08/24/2022
Effective Date	09/01/2022
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	05/02/2023
Event Effective Date	NONE

Principal Address

2202 N WESTSHORE BLVD
SUITE 200
TAMPA, FL 33607 U.

Mailing Address

2202 N WESTSHORE BLVD
SUITE 200
TAMPA, FL 33607 U.

Registered Agent Name & Address



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Detail by Entity Name

Florida Limited Liability Company
HDG, LLC

Filing Information

Document Number	L21000264236
FEI/EIN Number	87-2370517
Date Filed	06/07/2021
Effective Date	06/04/2021
State	FL
Status	ACTIVE

Principal Address

127 W. FAIRBANKS AVENUE
#140
WINTER PARK, FL 32789

Mailing Address

127 W. FAIRBANKS AVENUE
#140
WINTER PARK, FL 32789

Registered Agent Name & Address

HANSON, SARAH
127 W. FAIRBANKS AVENUE
#140
WINTER PARK, FL 32789

Authorized Person(s) Detail

Name & Address

Title MGR

HANSON, SARAH
127 W. FAIRBANKS AVENUE #140
WINTER PARK, FL 32789

Title Manager

Hanson, Craig

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the ohmega group

[Events](#) **No Name History**

Detail by Entity Name

Florida Profit Corporation
THE OHMEGA GROUP INC.

Filing Information

Document Number	P18000087173
FEI/EIN Number	20-0813618
Date Filed	10/22/2018
Effective Date	03/05/2004
State	FL
Status	ACTIVE
Last Event	CONVERSION
Event Date Filed	10/22/2018
Event Effective Date	NONE

Principal Address

25 N Market St
Suite 300A
JACKSONVILLE, FL 32202

Changed: 09/20/2022

Mailing Address

25 N Market St
Suite 300A
JACKSONVILLE, FL 32202



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environmental science assoc

[Events](#) **No Name History**

Detail by Entity Name

Foreign Profit Corporation
ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION

Cross Reference Name

ENVIRONMENTAL SCIENCE ASSOCIATES A CALIFORNIA CORPORATION

Filing Information

Document Number	F00000001598
FEI/EIN Number	94-1698350
Date Filed	03/20/2000
State	CA
Status	ACTIVE
Last Event	CANCEL ADM DISS/REV
Event Date Filed	11/20/2008
Event Effective Date	NONE

Principal Address

575 MARKET STREET
SUITE 3700
SAN FRANCISCO, CA 94105

Changed: 03/24/2023

Mailing Address

575 MARKET STREET



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tierra inc

[Events](#) [Name History](#)

Detail by Entity Name

Florida Profit Corporation
TIERRA, INC.

Filing Information

Document Number	P92000006561
FEI/EIN Number	59-3154723
Date Filed	11/20/1992
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	05/12/2014
Event Effective Date	NONE

Principal Address

7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Changed: 07/15/2008

Mailing Address

7351 TEMPLE TERRACE HWY.
TAMPA, FL 33637

Changed: 07/15/2008



DIVISION of
CORPORATIONS
an official State of Florida website

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diversified professional serv

[Events](#) **No Name History**

Detail by Entity Name

Florida Profit Corporation
DIVERSIFIED PROFESSIONAL SERVICES CORP.

Filing Information

Document Number	P07000019265
FEI/EIN Number	20-8581072
Date Filed	02/12/2007
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	12/01/2010
Event Effective Date	NONE

Principal Address

27915 JOHNSTON RD
DADE CITY, FL 33523

Changed: 01/06/2009

Mailing Address

27915 JOHNSTON RD
DADE CITY, FL 33523

Changed: 01/06/2009



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coastal engineering associa

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Detail by Entity Name

Florida Profit Corporation
COASTAL ENGINEERING ASSOCIATES, INC.

Filing Information

Document Number	210435
FEI/EIN Number	59-0827183
Date Filed	03/10/1958
State	FL
Status	ACTIVE
Last Event	NAME CHANGE AMENDMENT
Event Date Filed	12/07/1960
Event Effective Date	NONE

Principal Address

966 CANDLELIGHT BLVD
BROOKSVILLE, FL 34601

Changed: 03/20/1989

Mailing Address

966 CANDLELIGHT BLVD
BROOKSVILLE, FL 34601

Changed: 03/20/1989



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Detail by Entity Name

Florida Profit Corporation
QUANTUM ELECTRICAL ENGINEERING, INC.

Filing Information

Document Number P14000040467
FEI/EIN Number 46-5617301
Date Filed 05/06/2014
State FL
Status ACTIVE

Principal Address

2755 Vista Parkway
Suite I-12
West Palm Beach, FL 33411

Changed: 02/16/2023

Mailing Address

2755 Vista Parkway
Suite I-12
West Palm Beach, FL 33411

Changed: 01/14/2022

Registered Agent Name & Address

UNITED STATES CORPORATION AGENTS, INC.
476 RIVERSIDE AVE.
JACKSONVILLE, FL 32202

Address Changed: 02/18/2023

Officer/Director Detail

Name & Address

Title P, D

Champagne-Baker, Amy
2755 Vista Parkway
Suite I-12
West Palm Beach, FL 33411

Title T, S



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MOHAMMADI, MOHSEN

14021 LAKE MAGDALENE BLVD
SUITE 170
TAMPA FL 33618

LICENSE NUMBER: PE47813

EXPIRATION DATE: FEBRUARY 28, 2025

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BOARD OF PROFESSIONAL ENGINEERS

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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HMEIDI, NABIL O.

158 SW ROBINSON COURT
LAKE CITY FL 32024

LICENSE NUMBER: PE57842

EXPIRATION DATE: FEBRUARY 28, 2025

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MOHAMMADI, ZIBA

475 27th Ave 27TH AVENUE
SAINT PETERSBURG FL 33704

LICENSE NUMBER: PE65535

EXPIRATION DATE: FEBRUARY 28, 2025

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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS

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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

FELAND, GRAHAM MICHAEL

819 PARK TRAIL DRIVE
MINNEOLA FL 34715

LICENSE NUMBER: PE90882

EXPIRATION DATE: FEBRUARY 28, 2025

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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MORLEY, MARK ANTHONY P.E.

25 N MARKET STREET
SUITE 300A
JACKSONVILLE FL 32202

LICENSE NUMBER: PE59813

EXPIRATION DATE: FEBRUARY 28, 2025

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Melanie S. Griffin, Secretary



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PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

KAPPES, JAMES W.

360 MULBERRY GROVE ROAD
ROYAL PALM BEACH FL 33411

LICENSE NUMBER: PE71499

EXPIRATION DATE: FEBRUARY 28, 2025

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Melanie S. Griffin, Secretary



FBPE
FLORIDA BOARD OF
PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

RUEL, DANIEL ROBERT

513 SANDALWOOD DRIVE
PLANT CITY FL 33563

LICENSE NUMBER: PE82404

EXPIRATION DATE: FEBRUARY 28, 2025

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LICENSEE DETAILS

9:26:59 PM 7/10/2024

Licensee Information

Name:	HANSON, CRAIG WILLIAM (Primary Name)
Main Address:	127 W. FAIRBANKS AVENUE SUITE 140 WINTER PARK Florida 32789
County:	ORANGE

License Information

License Type:	Architect
Rank:	Architect
License Number:	AR0017787
Status:	Current,Active
Licensure Date:	03/21/2002
Expires:	02/28/2025



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB7200**
Expiration Date February 28, 2025

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

COASTAL ENGINEERING ASSOCIATES INC
966 CANDLELIGHT BLVD
BROOKSVILLE, FL 34601-3116

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6028**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

SCOTT MACRAE OSBORNE
2389 KNOLL DRIVE
SPRING HILL, FL 34606

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

CORPORATE AFFIDAVIT

(To be filled in and executed if the Vendor/Contractor is a Corporation)

STATE OF FLORIDA]

COUNTY OF HERNANDO]

Mohsen Mohammadi ^{Principal} being duly sworn, deposes and says that he is ~~secretary~~ of Mohsen Design Group Incorporated, a corporation organized and existing under and by virtues of the laws of the State of Florida, and having its principal office at:

2202 N. Westshore Blvd., Suite 200 Tampa, FL 33607 (Address)

Affiant further says that he is familiar with the records, minute books and bylaws of

Mohsen Design Group Incorporated (Name of Corporation) of the corporation, is duly authorized to sign Principal (Title)

the Bid for 24-RFQG00714/EK Continuing Engineering Services - Airport for said corporation by virtues of: Resolution of the Board of Directors, September 1, 2022
(State whether a provision of bylaws or a Resolution of the Board of Directors. If by Resolution, give date of adoption).

Mohsen Mohammadi
Affiant

Sworn to before me this 15th day of July, 2024.



ALICIA VANDERPOOL
Commission # HH 521931
Expires April 29, 2028

Alicia Vanderpool
Notary Public

This document should be completed and returned with your submittal.

Statement of Qualifications 24-RFQG00714/EK

CONTINUING ENGINEERING SERVICES

Brooksville-Tampa Bay Regional Airport

CONTINUING ENGINEERING SERVICES

Brooksville-Tampa Bay Regional Airport



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July 15, 2024

Ms. Erin Kluis Briggs
Procurement Coordinator
Hernando County, Florida
15470 Flight Path Drive
Brooksville, Florida 34604

**RE: Statement of Qualifications for RFQ# 24-RFQG00714/EK
Continuing Engineering Services - Brooksville-Tampa Bay Regional Airport**

Dear Ms. Briggs and the Selection Committee Members:

We are very excited about the opportunity to continue to serve Hernando County Airport at Brooksville-Tampa Bay Regional Airport (BKV). Mohsen Design Group Incorporated (MDG) is an Aviation Consulting Firm with staff members who have completed multiple projects for BKV for over 20 years.

MDG is focused on Aviation! Our designated Project Manager and the Point of Contact, Mohsen Mohammadi, Ph.D., P.E., established MDG in 2022 to assist airports with planning, designing, and constructing various types of airside and landside projects. Mohsen has 35 years of experience in the aviation industry. He and MDG's 13 dedicated staff members have collectively worked at over 35 airports in Florida and over 80 airports throughout the United States and the Virgin Islands. In addition, Mohsen has served over 20 clients on similar Continuing Engineering Services contracts and has been successful in getting repeat work from these clients due to the unrivaled level of responsiveness and availability.

For approximately 24 years, Mohsen has worked on numerous airside and landside projects at BKV. Because of his longstanding history with the Airport, he has a broad understanding of the Airport's operations, local regulations, and unique permitting requirements. He is well-known to Airport staff and has proven to be highly technical, service-focused, and committed to superior quality. Mohsen has extensive knowledge of the FAA and FDOT standards and regulations and has long-term and collaborative relationships with the FAA Orlando Airports District office and FDOT District 7. Most importantly, he has a distinction for helping clients find creative solutions for receiving and prioritizing funding.

Our team's vast experience at the Airport includes, but is not limited to, the rehabilitation of Taxiway A, Taxiway B, Runway 9-27, all connector taxiways to Runways 9-27 and 3-21, runway decoupling, MALSR upgrades, airfield electrical upgrades, and the extension of Helicopter Drive. Mohsen has worked with multiple airport administrations on these projects and coordinated with the FAA and FDOT on grant funding and compliance issues. We are also very excited about our recent engagement with the County to shift Runway 3-21 to the south by 815 feet and convert the abandoned runway to a taxiway. Our unmatched knowledge of the Airport and reputation for excellent client service make us the right choice for this contract.

Our years of experience at BKV will also prove advantageous when coordinating with the various permitting agencies, such as Hernando County Utilities, Southwest Florida Water Management District (SWFWMD), Florida Fish and Wildlife Conservation Commission (FWC), Florida Department of Environmental Protection (DEP), the FAA, and FDOT. Our excellent working relationship with these agencies will allow us to streamline and expedite the permitting process, which can often be challenging.

To further supplement our capabilities, we have included the following specialty subconsultants on our team:



Topographic Surveys and Field Environmental Inventory

Coastal Engineering Associates, Inc.



Planning Support and Environmental Assessments and Permitting

Environmental Science Associates (ESA)



Airfield Electrical

The Ohmega Group, Inc. (DBE, MBE, VOSB)



NAVAIDS and Electrical Support

Quantum Electrical Engineering, Inc. (DBE, W/MBE)



Architectural Services, including Building Mechanical, Electrical, Plumbing, and Structural

HDg Architecture (W/MBE)



Geotechnical Engineering

Tierra, Inc.



Field Geotechnical Investigations

Diversified Professional Services. Corp. (DBE, W/MBE)

Extensive thought went into determining the best team for this contract, including each firm's reputation for quality work, commitment to client satisfaction, experience with similar projects, history of working with BKV, past collaboration, location, and ability to respond quickly. As you review this Statement of Qualifications, you will find that the team we have built is prepared, available, and best suited to serve the County and the Airport.

MDG's rapid success is due not only to our years of experience in the aviation industry but also to our reputation for client satisfaction and readiness. Most of our projects and contracts are from repeat clients whom we encourage you to contact. If selected, MDG staff promises to provide the same outstanding service as we have done in the past.

We hope that once you review this Statement of Qualifications and contact our existing and previous clients, you will find that we are the best team to serve the County, the Airport, and the community.

If you have any questions or require further information, don't hesitate to get in touch with Mohsen, who will be your point of contact when it comes to contracts and projects:

2202 N. Westshore Blvd., Suite 200

Tampa, Florida 33607

(813) 244-6609

mohsen@mdginc.us

Best regards,

MOHSEN DESIGN GROUP INCORPORATED

Mohsen Mohammadi, Ph.D., P.E.

Principal

2.0

ABILITY, CAPACITY, AND SKILL OF FIRM

MOHSEN DESIGN GROUP INCORPORATED (MDG) is a civil engineering consulting firm specializing in airport infrastructure design. We provide a comprehensive suite of services, including transportation design, planning, drainage and stormwater design, geotechnical engineering, and construction management. This extensive range of capabilities allows us to manage various project aspects efficiently, positioning us as a versatile and reliable choice for our clients.



With over 35 years of experience in airport expansion, our founder, Mohsen Mohammadi, Ph.D., P.E., leads a team of 13 dedicated professionals who boast **more airfield experience than many of our larger competitors**. Together, they have worked at over 80 airports and have completed projects ranging from FBO facilities to runway rehabilitation. MDG has quickly established itself as a beacon of excellence in civil engineering, becoming a trusted partner to public and private entities across the U.S. and the Virgin Islands.

With certifications as a Minority Business Enterprise (MBE) and a Small Business Enterprise (SBE) through FDOT and many other agencies, MDG is not only recognized for its technical prowess but also for its commitment to diversity and inclusion within the industry.

MDG is a Full-Service Engineering Consulting Firm

Airfield Design	Runway, Taxiway, Apron, and other Pavement Rehabilitation and Expansion, Pavement Management, Geotechnical Explorations, Security Fencing Installation and Improvements, Fuel Farm Facilities, Obstructions Evaluation and Removal	Buildings/ Horizontal Design	Fixed Base Operator (FBO) Facilities, Hangars, Terminal Renovations, Administrative Buildings, Aircraft Rescue and Fire Fighting (ARFF) Buildings, Air Traffic Control Towers
Landside Design	Roadways, Parking Lots, Utilities, Bridges, Traffic Studies, Cell Phone Waiting Lots, Baggage Claims, Rental Car Facilities, Walkways, Canopies	Drainage & Stormwater Design	Stormwater Master Plans, Permitting, Stormwater Pollution Prevention Plans (SWPPP), Stormwater Modeling, Floodplain Analysis, Stormwater Facilities
Planning and Environmental Services	Environmental Assessments (EA), Master Planning, Wetland and Wildlife Mitigation, Airspace Analysis, Airport Layout Plans, Noise Studies	Post Design Services	Bidding and Award Assistance, Construction Administration, Construction Management, Resident Project Representative, Grant Compliance Assistance

Knowledge of the Local Labor and Materials Market

For over two decades, MDG staff have worked on aviation-related projects in the Tampa Bay area and neighboring counties. We have observed fluctuations in the labor market and pricing, and have taken proactive steps to collaborate with local contractors and suppliers to anticipate any potential price increases that could affect project expenses. Recent projects at Brooksville-Tampa Bay Regional Airport (BKV) have demonstrated that estimated construction costs align well with the bids received, thanks to ongoing dialogues with contractors who have been long-term partners at BKV and other regional airports. Continuous monitoring of the labor market, supply chain, and significant construction undertakings that could impact their projects is a priority. Additionally, staying updated on FDOT's regularly revised price schedules for state contracts and incorporating these unit prices into project cost assessments is a standard practice for MDG.

Current and Projected Workload

MDG has ample time to dedicate to BKV throughout the life of this contract. Our current and projected assignments will not reduce or impact our capabilities to provide the required services for this contract to the highest standards. The MDG team has immediate availability, resource depth, and the capacity required to expedite work to meet tight project and grant funding schedules, if necessary. The following represents some of the larger projects MDG is involved with:

WORKLOAD OF FIRM			
AIRPORT	PROJECT DESCRIPTION	DESIGN COMPLETION	CONSTRUCTION COMPLETION
Miami International Airport	Apron Reconstruction	3/24	10/25
Palm Beach International Airport	FBO Terminal, Hangar and Apron Construction	12/23	4/25
Atlantic City International Airport	Hangar Construction	12/23	10/24
Stewart International Airport	FBO Terminal and Hangar Construction	5/24	6/25
Asheville Regional Airport	Apron Rehabilitation	4/24	5/25
Zephyrhills Municipal Airport	Runway 1-19 Rehabilitation	1/24	3/25
Zephyrhills Municipal Airport	Taxiway F	7/24	3/25
Brooksville-Tampa Bay Regional Airport	Bluewater Aviation Hangar Development	8/24	12/24
Baltimore/Washington Int'l Airport	FBO Terminal, Hangar, CBP GAF & Apron, Ph. 1	4/24	2/25

Familiarity with the Project Area

No other firm can compete when it comes to familiarity with BKV. Over the years, our team has been involved in several design and construction projects at BKV, with our Project Manager Mohsen, Civil and Geotechnical Engineer Nabil, and Resident Project Representative Jackie playing essential roles. Timeka, our Lead Planner, and our team of designers have also held fundamental roles in projects at the Airport for many years.

The most recent of these projects include the work on Runway 3-21 associated with the decoupling project and rehabilitation of Taxiway C. Our team is also currently designing Bluewater Aviation's new hangar development at the airport. Other projects include the rehabilitation of Runway 9-27 and Taxiway A, which required a unique pavement rehabilitation method that the Airport and the FAA approved. More importantly, this method significantly reduced the cost and length of construction and improved sustainability.

In addition to MDG's experience at BKV, our subconsultant team members have been involved in various projects at the

Airport and possess valuable knowledge. Tierra and Coastal provided environmental services, geotechnical support, and ground penetration radar for work on the decoupling of Runway 3-21 and the rehabilitation of Runway 9-27 and Taxiway A. Our electrical subconsultant team member, Mark from The Ohmega Group, has been involved with various airfield electrical improvements at BKV, as well.

Nearly all MDG's team members have prior experience working with BKV. These experiences provide our team with unique knowledge of the Airport, from operations to the different soil types. It also provides continuity, familiarity, and no learning curve, allowing us to start work immediately.

Qualifications and Relevant Individual Experience

At MDG, we believe that a project's success is dependent upon the individuals that are assigned to it. Our team of individuals listed below are known for their technical expertise and unmatched customer service, resulting in repeat clients and an excellent reputation in the aviation industry. **The Team members listed below all reside in Florida and have spent most of their careers working in the aviation industry. They have also all worked at Brooksville-Tampa Regional Airport at some point throughout their careers.**



PROJECT MANAGER AND PRINCIPAL

Mohsen Mohammadi, Ph.D., P.E.

The MDG team will be led by Mohsen Mohammadi, Ph.D., P.E., who will serve as the Project Manager and will be the County's primary point of contact. He brings over 35 years of experience working at airports, allowing him to foresee and solve design and construction challenges before they arise. He has designed and managed numerous projects at over 35 Airports in Florida and over 75 Airports throughout the United States and the U.S. Virgin Islands. His experience includes expanding landside and airside facilities; rehabilitation, reconstruction, new construction, and extensions of runways, taxiways, and aprons; navigational aids design and relocation; construction management; roadways and drainage design; and other airfield-related projects.

Mohsen has provided Continuing Engineering Services for numerous agencies, including Brooksville-Tampa Bay Regional Airport, Citrus County Airports (two airports), Albert Whitted Airport, Zephyrhills Municipal Airport, Peter O. Knight Airport, Plant City Airport, Venice Municipal Airport, Sarasota Bradenton International Airport, Daytona Beach International Airport, Henry E. Rohlsen Airport, Palm Beach County Department of Airports (four airports), St. Pete-Clearwater International Airport, Tallahassee Regional Airport, Jacksonville Aviation Authority (four airports), and Okaloosa County Airports (three airports).

Mohsen has worked at the Brooksville-Tampa Bay Regional Airport (BKV) for over 24 years, and his knowledge of the Airport is incomparable. He is well acquainted with the County's goals for the Airport and knows what is necessary for the implementation. He and the MDG team will continue to bring the same level of responsiveness and service the County has come to expect.

EXPERIENCE AT BROOKSVILLE-TAMPA BAY REGIONAL AIRPORT

- ♦ Air Traffic Control Tower
- ♦ Taxiway B Rehabilitation
- ♦ Fuel Farm and Apron Construction
- ♦ Taxiway A Rehabilitation
- ♦ Runway 9-27 Rehabilitation
- ♦ Bluewater Aviation Development
- ♦ Airfield Lighting and Signage
- ♦ Grant Assistance
- ♦ MALSR Rehabilitation
- ♦ MRO Hangar Design
- ♦ T-Hangars Inspection
- ♦ Master Plan Update
- ♦ Runway 9-27 Extension Design
- ♦ Runway 3-21 Decoupling
- ♦ T-Hangars Construction
- ♦ Cargo Apron and Taxiways Design
- ♦ Helicopter Drive Extension
- ♦ Access Road, Parking, and Utilities Construction



CIVIL AND GEOTECHNICAL ENGINEERING

Nabil Hmeidi, P.E.

Nabil has over 36 years of airfield and geotechnical engineering experience. He has worked at BKV for over ten years and, as demonstrated by the graphic below, has directed countless geotechnical explorations at the Airport. **Nabil's most recent experience at BKV includes Runway 9-27 Rehabilitation and Extension, Taxiway A Rehabilitation, Taxiway B and Runway 3-21 Decoupling and FBO Apron Rehabilitation.** Currently, Nabil is part of the engineering team for Bluewater Aviation's hangar development at the Airport.



Geotechnical explorations at BKV led by Nabil



CIVIL ENGINEERING

Ziba Mohammadi, P.E., PTOE, CBI

Ziba has over 30 years of Civil and Structural Engineering experience and expertise in various fields, including airfield design, traffic engineering, and bridge inspections. She led transportation projects for 23 years for the City of St. Petersburg and understands the uniqueness of completing projects for governmental agencies. In addition to her work for the City of St. Petersburg, Ziba has worked on aviation projects throughout Florida and the US. She has served as the Lead Engineer or Project Manager for multiple airports, including Zephyrhills Municipal, Tampa International, Westchester County, and Asheville Regional. **Ziba is currently the Lead Engineer for the Bluewater Aviation Hangar Development at BKV.**



DRAINAGE ENGINEERING

Graham Feland, P.E.

Graham is highly proficient in stormwater requirements throughout Florida. He has over seven years of experience working with various stormwater management districts for both commercial and residential projects. Graham is well-acquainted with navigating the stormwater and special basin criteria for new development ERPs, Major Permit Modifications, and Minor Permit Modifications and has excellent working relationships with the permitting review staff, which helps to streamline the permitting process. Graham has designed master stormwater models for multi-phase developments, worked on projects to meet the stormwater quality and quantity requirements, and updated master stormwater models developed by the governing municipalities to take into account proposed project development. **Graham is currently serving as the drainage engineer for the Bluewater Aviation hangar development at BKV** and is familiar with the Airport's Master Stormwater design.



SWFWMD PERMITTING

Marisela Hernandez

Marisela's experience includes a variety of engineering disciplines. She has performed various engineering tasks, including stormwater management design, drainage reports, and model preparation. Marisela's specific expertise is in her knowledge of permitting requirements at airports throughout Florida, the U.S. Virgin Islands, and many states across the U.S. She has prepared documentation and technical reports for project design and construction, including Due Diligence reports, Construction Safety and Phasing Plans (CSPP), and Stormwater Pollution Prevention Plans (SWPPP). **Marisela recently completed BKV's Stormwater Pollution Prevention Plan (SWPPP) and is assisting with the drainage design and permitting for the Bluewater Aviation hangar development.**



AVIATION PLANNING

Timeka Carter

Timeka is a Senior Planner with over 17 years of experience with airport planning projects. **She has completed many planning projects for BKV over the last ten years and has an excellent working relationship with Airport and County staff.** Timeka provided 7460 Airspace Analyses for construction projects, including the Runway 9-27 Rehabilitation and the Runway 3-21 Decoupling. She completed Documented CATEXs for various projects, including the Bluewater Aviation Development currently under design, prepared the Airport's two most recent DBE program updates, and created the current Airport Emergency Plan. Timeka also led the length, wind, and capacity analysis for Runway 3-21 and the Runway 9-27 safety analysis.



QC/CONSTRUCTABILITY REVIEWS & CONSTRUCTION SERVICES

Karla Dowd

Karla has over 38 years of experience in Construction Management, Resident Project Representative (RPR) services, and design experience, with excellent client and project management skills. During design, Karla's primary role will be to perform quality reviews on every submittal. She will work independently of the design team to ensure accuracy and constructability. During construction, Karla will assist with project management and act as a liaison between clients, contractors, and engineers. **Over her career, Karla has been involved in many projects at BKV. These include Taxiway B Rehabilitation, Taxiway A Rehabilitation, Runway 9-27 Rehabilitation, Airfield Lighting and Signage Improvements, Runway 9-27 Extension, and T-Hangar Construction.** It is also important to note that Karla lives in Homosassa, Florida, just a 30-minute drive from the Airport. This will allow her to respond immediately during construction if needed.



RESIDENT PROJECT REPRESENTATIVE (RPR)

Jacqueline (Jackie) Curry

Jackie possesses over 27 years of experience as a Resident Project Representative (RPR). She has served on many airport projects in this capacity throughout Florida, the U.S. Virgin Islands, and the Southeastern United States. **Jackie was the RPR of recently completed projects at BKV, including the Runway 9-27 Rehabilitation, Taxiway A Rehabilitation, and the Taxiway B1 and C1 and Runway 3-21 Decoupling.** Airport administration knows Jackie well and has to come to trust her as an extension of staff.



GRANT COMPLIANCE

Alicia Vanderpool

Projects funded by the Federal Aviation Administration (FAA) must meet specific grant compliance requirements via data reporting obligations. To ensure these obligations are met for the duration of a project, Alicia will collect and review the contractor's DBE Participation reports, Monthly Pay Applications, Certified Payrolls, Subcontractor Payment Certifications, compliance with the Buy American Clause, E-Verify documentation, Davis-Bacon wage interviews, and other grant assurances required when accepting FAA funding. Alicia has worked with airports to compile and record this documentation on many FAA-funded projects. Clients have come to rely on her to navigate them through the different grant processes. Alicia's knowledge and experience with airport operations allow her to effectively assist the Project Managers in delivering compliant projects.



CIVIL DESIGNER

Daniel (Dan) Wolcott

Dan is a highly experienced civil engineering designer who provides Civil-3D design and plan production to airports. He has over 18 years of experience designing runways, taxiways, aprons, and other facilities at various airports, including BKV. Dan is one of the most knowledgeable and skilled designers in his field. His attention to detail and purpose is unmatched, which allows him to prepare clear and concise project design documents. He is highly responsive to the needs of the client and is always proactive in finding solutions to any issues that arise during the project's lifecycle.

Over the years, Dan has been involved in many design projects at BKV. These include Runway 9-27 Rehabilitation, Taxiway B Rehabilitation, Taxiway B1 and C1, and Runway 3-21 Decoupling, Taxiway A Rehabilitation and Taxiway A5 Construction, and Fuel Farm and Apron Construction. Dan currently serves as the Lead Civil Designer for Bluewater Aviation's hangar development at the Airport.



CIVIL DESIGNER

Yan Yang

Yan, a Senior Designer with MDG, has over 25 years of experience designing runways, taxiways, aprons, and other facilities at many airports, including BKV. She provides Civil-3D design and plans production and has experience in many civil engineering projects ranging from large reconstruction projects to smaller rehabilitations. **Yan's experience at BKV includes the design of the Runway 9-27 Extension, Runway 27 End Localizer, Fuel Farm and Apron Construction, and the Helicopter Drive Extension.**



CIVIL DESIGNER

Ahmad Farahbakhsh

Ahmad, a Senior Designer with MDG, has extensive knowledge and experience in civil design, architectural design, and planning. He is knowledgeable in FAA and FDOT design criteria and regulations related to construction in and around airports. Ahmad has been designing various projects during his 25-year career, including runways, taxiways, aprons, roadways, hangar developments, university/college campus plans, public facilities, and other commercial and residential developments. He is skilled on several CAD platforms, including AutoCAD, AutoCAD Architectural, AutoCAD Civil 3D, AutoTurn, AeroTurn, and Terramodel. As part of his duties, Ahmad regularly coordinates work with the project engineering team and other consultants on complex and highly technical projects.

Experience on Projects as a Team

Team collaboration is an essential aspect of a successful project. The team we have assembled has a long-standing history of working together on various projects, leading to highly efficient and effective results. Our team has developed a deep understanding of each other's strengths and weaknesses, allowing for seamless integration of each of our skills and knowledge.

In addition to working together at BKV, MDG staff and our teaming subconsultants have collaborated on projects at various other airports. This experience has allowed us to gain a broader perspective and bring new ideas to the table. By leveraging each of our diverse backgrounds, our team will deliver innovative solutions and successful projects to the County and the Airport.

PROJECT	MDG	HDG	OH	QEE	ESA	CTL	TRA
BKV – Runway 9-27 Rehabilitation	♦					♦	♦
BKV – Taxiway A Rehabilitation	♦					♦	♦
BKV – Runway 3-21 Decoupling	♦					♦	♦
BKV – MALSR Rehabilitation	♦		♦				
BKV – Fuel Farm & Apron	♦		♦			♦	♦
BKV – Taxiway A Extension	♦		♦				♦
BKV – Bluewater Development	♦			♦			♦
MIA – Ramp, Blast Deflectors & Taxilanes	♦			♦			
PBI – Ramp, Terminal, Hangars	♦	♦		♦			
CGC – Runway 9-27 Rehabilitation	♦					♦	♦
INF – Taxiway A1 Relocation	♦					♦	♦
ZPH – Runway 1-19	♦				♦		
ZPH – Runway 14-32 Ext - EA	♦				♦		
VNC – New Terminal	♦	♦		♦			
SPG – Runway 18-36 Rehabilitation	♦			♦			

MDG=Mohsen Design Group, HDG=HDG Architecture, OH=The Omega Group, QEE=Quantum Electrical Engineering, ESA=Environmental Science Associates, CTL=Coastal Engineering, TRA=Tierra

Key Staff Involvement in Project Management and On-Site Presence

Our Project Manager, Mohsen, will be the single point of contact for the County and the Airport. He will be responsible for communicating with all team members. This includes managing the involvement of specialty subconsultants and ensuring that their assignments are executed to MDG's standards of excellence. He will be personally responsible and accountable for the success of any task order completed as part of this contract. Mohsen will work alongside the Airport to ensure smooth and consistent coordination. Communication between Mohsen and the Airport will be frequent and take place in person, as necessary. Mohsen commits to being heavily involved and readily available to the County throughout the length of the contract.

In addition to Mohsen's involvement and commitment to on-site presence, MDG has assigned Jackie Curry to be the full-time, on-site inspector and Resident Project Representative during the construction of projects, as required. Jackie has worked at BKV for many years and on many projects. During that time, she has proven herself an asset to the Airport and upheld MDG's dedication to client service.

Time Commitment of Key Staff

One of the factors to consider when selecting the right team for BKV is each person's anticipated availability. Careful thought went into determining workload, deadlines, and project scheduling to ensure we have the necessary staffing throughout the contract to dedicate to the County. The time commitment of team members will vary depending on their assigned roles and the type of project. **Mohsen is available throughout the contract and will continue to provide the County with the kind of responsiveness and urgency he has demonstrated in the past.** The following table illustrates each team member's projected time commitment.

TEAM MEMBER	TIME COMMITMENT	TEAM MEMBER	TIME COMMITMENT
Mohsen Mohammadi, Ph.D., PE (MDG)	60%	Dan Wolcott (MDG)	100%
Nabil Hmeidi, PE (MDG)	50%	Ahmad Farahbakhsh (MDG)	50%
Ziba Mohammadi, PE, PTOE, CBI (MDG)	40%	Craig Hanson (HDG)	40%
Graham Feland, PE (MDG)	50%	Mark Morley, PE, RCDD (Ohmega)	50%
Marisela Hernandez (MDG)	80%	James Kappes (QEE)	60%
Timeka Carter (MDG)	60%	Julie Sullivan (ESA)	25%
Karla Dowd (MDG)	40%	Douglas DiCarlo	40%
Jackie Curry (MDG)	90%	Joe Calamari, PWS (Coastal)	15%
Alicia Vanderpool (MDG)	30%	Scott M. Osborne, PSM (Coastal)	15%
Yan Yang (MDG)	50%	Daniel R. Ruel, PE (Tierra)	10%

Qualifications and Relevant Sub-Consultant Experience

Our MDG team would not be complete without our member subconsultants. Extensive thought went into determining the best team to serve the County at BKV. **MDG's Team of specialty subconsultants was carefully selected based on several factors, including their reputation for quality work, commitment to client satisfaction, experience with similar projects, history of working with the County and Airport, past collaboration, and location and ability to respond quickly.**



ARCHITECTURAL DESIGN | W/MBE | HDg Architecture was established in 2021 as a Planning, Architecture, and Interior Design firm specializing in the design of aviation facilities. The firm's founder, Craig Hanson, AIA, has over 30 years of continuous architectural experience as the lead aviation architect on over 200 aviation projects at airport locations throughout the country and internationally, ranging from large-scale International Airport Terminals to smaller General Aviation projects at regional Airports. The firm was established with the primary goal of focusing exclusively on aviation architecture to bring that extensive aviation design experience and expertise to clients and deliver the highest quality facilities exceeding expectations. HDg Architecture has been involved with multiple aviation projects at Airports nationwide. Projects include Architectural and Planning design for FBO Terminal facilities, Corporate and Maintenance Hangars, Customs and Border Protection facilities, Sports Charter Facilities, VIP Terminal Lounges, Air Traffic Control Towers, Aircraft Rescue and Fire Fighting (ARFF) facilities, and Ground Support Equipment maintenance buildings. HDg Architecture is managed by Craig Hanson, AIA, and is supported by a talented team of architects, designers, and Revit techs who work with the latest state-of-the-art BIM modeling. The HDg Architecture team has worked exclusively on aviation projects for many years, so they have developed an efficient and high-quality approach to their team collaboration, client responsiveness, and project delivery.



AIRFIELD ELECTRICAL DESIGN | DBE | MBE | VOSB | For two decades, The Ohmega Group, Inc. (Ohmega) has been helping aviation consulting firms design and build the best airport systems in the country. They were founded as a veteran-owned, minority-owned engineering consulting firm in Jacksonville, Florida. Their team of engineers specialize in electrical engineering with a strong focus on the aviation sector. Ohmega provides engineering consulting services to both domestic and international commercial, government, and institutional markets. One key differentiator is Ohmega's extensive experience providing specialized airport and airfield engineering design services for the aviation market, including engineering design and construction inspection services.

Ohmega's work at Brooksville-Tampa Bay Regional Airport began in 2016 with the MALSR Rehabilitation project, which was completed in collaboration with MDG employees. Since then, they have worked on various other airfield electrical projects, all successfully completed on time and on schedule.



NAVAIDs & ELECTRICAL SUPPORT | DBE | W/MBE | Quantum Electrical Engineering, Inc. (Quantum) is a full-service, women-owned professional engineering consulting firm in West Palm Beach and Coral Springs, Florida. At Quantum Electrical Engineering, they value clients' needs for safe, reliable, and operationally efficient designs by creating cost-effective engineering solutions delivered in a responsive, dynamic, and efficient way. The firm is built on this understanding and has developed trusted, long-lasting relationships by conducting business with integrity, honesty, hard work, and accountability in a collaborative, solution-oriented environment.

Quantum provides clients full-spectrum NAVAIDs electrical design and construction services and specializes in designing aircraft electrical systems, including passenger terminals, airfield lighting, and FAA approach systems. They have worked extensively throughout Florida and the U.S. Virgin Islands. **Quantum is the lead Electrical Engineer on the Bluewater Aviation hangar development.**



ENVIRONMENTAL SERVICES | PLANNING SUPPORT | Environmental Science Associates (ESA) is a full-service environmental consulting and planning firm with over 50 years of experience in project planning, environmental assessment, natural resource management, and regulatory compliance. Founded in 1969, shortly before the enactment of the National Environmental Policy Act (NEPA), ESA is an employee-owned, sciences-based firm with core values that promote sustainability and environmental management. With more than 650 professionals, they are large enough to offer a full range of services but small enough to provide the personal service and attention clients expect. They offer an established, dedicated Florida-based aviation team, with primary offices in Orlando and Tampa and more than 20 strategically located offices throughout Florida and the United States.



SITE ENVIRONMENTAL EVALUATION | SURVEYING | Coastal Engineering Associates, Inc. (COASTAL) is a multi-disciplined firm with a wide range of professional, technical, and support skills. Since its inception in 1958, Coastal has completed diverse projects in its many fields of specialization. Coastal has locations in Brooksville and Inverness, Florida, providing a good hub for access to communities in west central Florida with minimum travel time.

Coastal employs a full complement of multi-disciplined personnel and has a comprehensive range of professional

capabilities, from feasibility consulting through alternative analysis to implementation that can effectively meet individual client specifications. Coastal has a reputation for technological competence supported by a sixty-five (65) year record, with **thirty-eight (38) of those years working in Hernando County** completing diversified engineering, planning, environmental, and surveying projects. Coastal currently serves as a Consultant for the Continuing Engineering Services – Water, Wastewater, and Reclaimed Water Projects and Continuing Engineering Services serving as an extension of the Hernando County Department of Public Works (HCDPW) staff and resources by providing engineering services that support the development and improvement of the County's infrastructure. Coastal combines its talents and strengths to create innovative solutions to engineering, land use, and environmental challenges. Coastal is a client-responsive organization, from concept to conclusion, providing the experienced guidance, competent administration, and technical expertise vital to delivering economically justifiable, functional, and aesthetically sound projects.

Coastal's excellent working relationship with Hernando County, Brooksville-Tampa Bay Regional Airport, Florida Department of Environmental Protection (FDEP), Florida Department of Transportation (FDOT), Southwest Florida Water Management District (SWFWMD), Army Corps of Engineers and the Florida Fish and Wildlife Conservation Commission (FWC) will enhance their ability to identify necessary impacts, avoid unnecessary impacts and complete comprehensive mitigation strategies to permit projects on established project schedules and budgets.



GEOTECHNICAL ENGINEERING | Tierra, Inc. (Tierra) is a full-service consulting geotechnical, environmental, and construction materials testing engineering firm with capabilities to provide test borings, install piezometers and monitoring wells, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. Tierra was formed as a geotechnical engineering, contamination assessment, and materials engineering firm with the intent of building upon the many years of combined experience of their founding principals. Tierra is committed to providing quality, responsive service and establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas.

Tierra has served as a geotechnical and environmental engineering consultant to a large variety of public and private clients, including architects, engineers, contractors, developers, utilities, institutions, schools, military, municipalities, and private enterprises covering commercial and residential entities. Tierra's collective project experience is broad-based, covering port and airport construction, pavement design of municipal airports, buildings, highways, bridges, communication towers, dams and levees, sinkhole remediation, ground improvement projects, water supply projects, landfills, slope stability analyses and distressed structure/foundation studies.

Tierra has been involved in many projects at BKV, including the Apron and Access Road, the rehabilitation of Taxiways B, C, and Connectors, Runway 9-27 Rehabilitation and Extension, and Entrance Road Improvements. Many of these were completed in collaboration with MDG personnel.

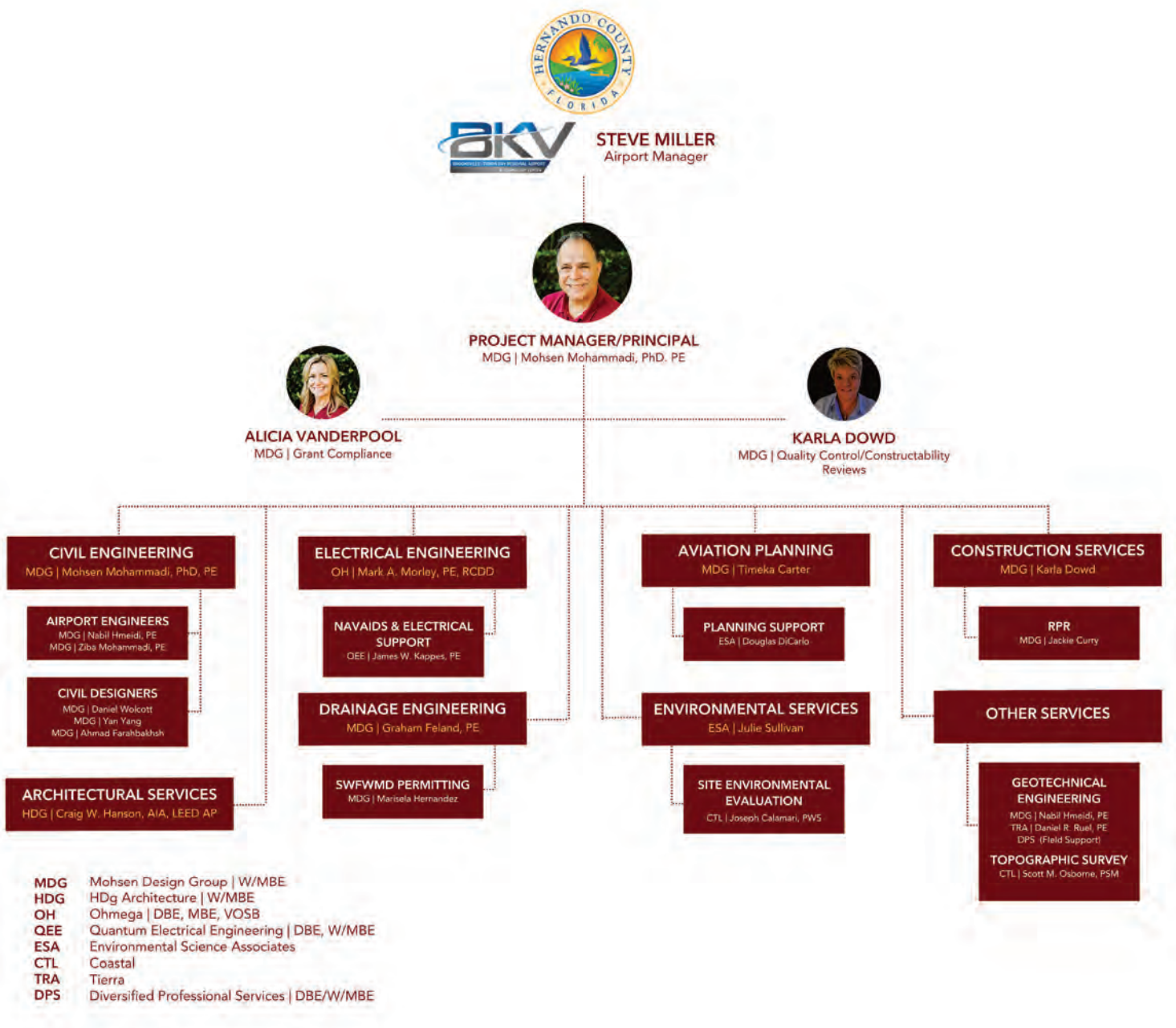


GEOTECHNICAL FIELD SUPPORT | DBE | W/MBE | Diversified Professional Services Corp. (DPS) is an FDOT-certified DBE, a DMS State Certified Woman-owned Minority Business Enterprise (W/MBE) and a certified SBE. They provide a wide variety of construction, drilling, and environmental support services. DPS's geotechnical field services include land clearing for drilling operations, Standard Penetration Test (SPT) borings, test pits, and field sampling assistance. Their Environmental Construction services include petroleum fuel system removal and installation; heavy earthwork associated with landfill caps and covers; source removals; and industrial facility closure projects. DPS also provides field assistance with transportation & disposal of waste, remedial system installation, demolition, and general construction.

Organizational Structure

The success of any project relies heavily on the organization and coordination of its management functions. This includes identifying the lines of authority and coordination and the essential management functions required to bring the project to fruition. Below, you will find that MDG has put an abundance of effort and care into determining that all members of our team have clearly defined roles, have the time to function in their assigned roles effectively, are supported by other qualified team members, and know who they are to report to.

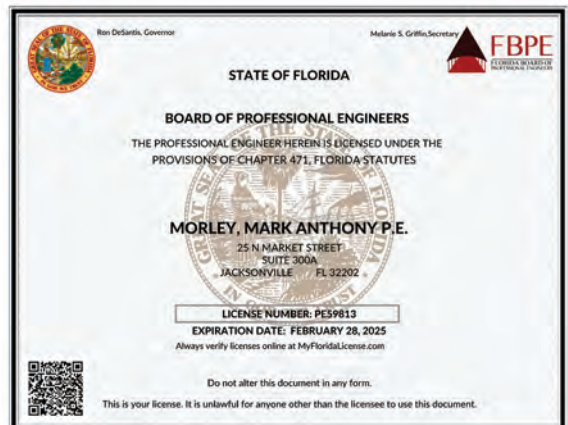
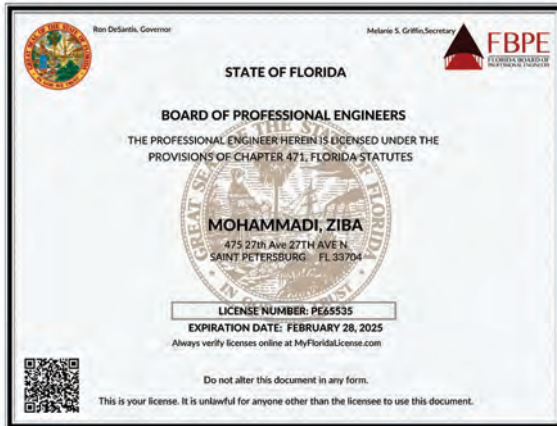
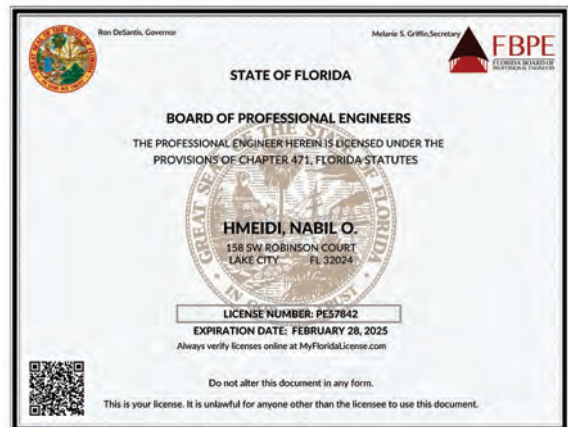
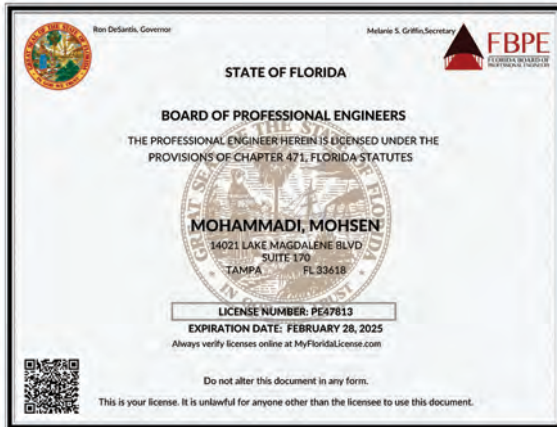
To serve the County in the most efficient and proactive way, the Airport staff will have direct and continuous communication with Mohsen, the designated Project Manager and Point of Contact. All communication between the County, the Airport, and the consultant team will be through Mohsen. He will ensure all tasks and milestones are completed in a timely manner.

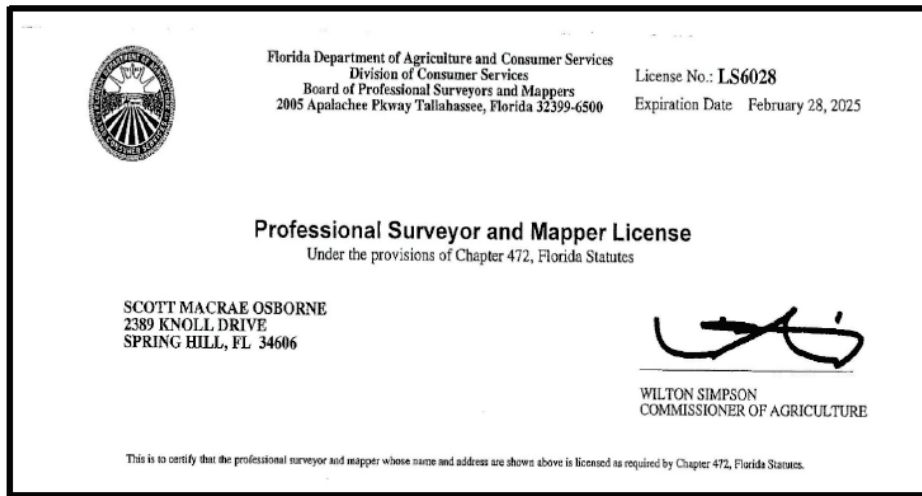
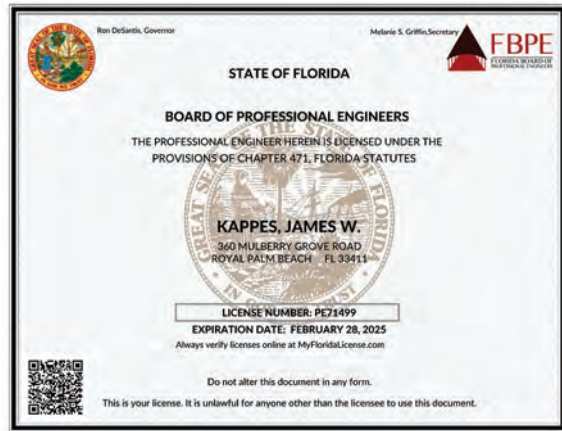
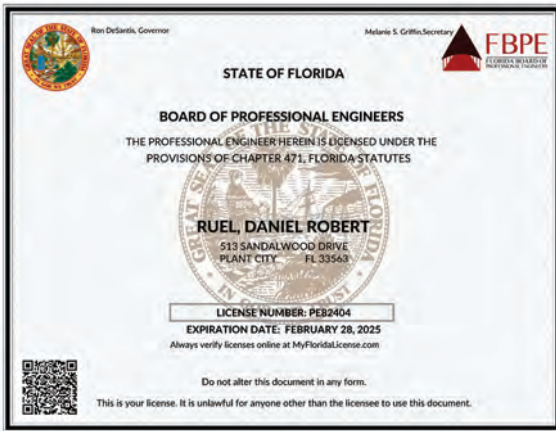


Resumes of Key Personnel

On the following pages, you will find the resumes of MDG's key personnel as well as those of our subconsultant teaming partners. Upon reviewing them, you will see our extensive and recent experience at the Airport. This experience has given us valuable knowledge of the Airport's unique requirements. It has also allowed us to develop strong relationships with key stakeholders who can attest to our commitment to client service.

Licenses of Key Personnel







MOHSEN MOHAMMADI, Ph.D., PE

Project Manager/Principal

QUALIFICATIONS SUMMARY

Mohsen has 35 years of diverse experience working on airports, roadways, and bridge projects throughout the transportation industry. He has designed and managed numerous projects at over 35 Airports in Florida and over 75 Airports throughout the United States and the U.S. Virgin Islands. His experience includes expanding airside and landside facilities; rehabilitation, reconstruction, new construction, and extensions of runways, taxiways, and aprons; navigational aids design and relocation; construction management; roadways, parking lots, and drainage design; and other airfield-related projects. Mohsen has provided Continuing Airport Engineering Services for numerous agencies, including Brooksville-Tampa Bay Regional Airport, Albert Whitted Airport, Zephyrhills Municipal Airport, Citrus County Airports (two airports), Venice Municipal Airport, Henry E. Rohlsen International Airport, Palm Beach County Department of Airports (four airports), St. Pete-Clearwater International Airport, Daytona Beach International Airport, Tallahassee International Airport, Jacksonville Aviation Authority (four airports), and Okaloosa County Airports (3 airports). He has extensive experience coordinating with FAA and FDOT on grant funding and compliance, modifications to standards, and project closeouts. Mohsen is a private pilot.

EDUCATION:

University of South Carolina:
Ph.D. - Civil/Structural Engineering
M.S. - Civil/Structural Engineering
B.S. - Civil Engineering

YEARS EXPERIENCE: 35

PROFESSIONAL CREDENTIALS:

Professional Engineering Licenses:

Florida, Alabama, Colorado, Connecticut, Delaware, Georgia, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Nevada, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, Tennessee, Texas, U.S. Virgin Islands, Virginia, West Virginia

PROFESSIONAL ORGANIZATIONS:

Florida Engineering Society
American Society of Civil Engineers
National Society of Professional Engineers
Society of American Military Engineers
Florida Airports Council

EXPERIENCE

General Engineering Consulting and Specific Projects

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Mohsen was the Project Manager, Engineer of Record, and Principal of various airport engineering services provided at BKV for over twenty years. Projects included Runway 9-27 Rehabilitation, Runway 9 MALSR Rehabilitation, Decoupling of Runways 3-21 and Runway 9-27, Taxiway A and B Rehabilitation, and a new apron and self-fueling facility. Other work included preparing all FAA grant documents (pre-applications, applications, quarterly reports, grant compliance during construction, and closeout.)

General Engineering Consulting

Venice Municipal Airport (VNC) - Venice, FL

Mohsen has served as the Project Manager, Engineer of Record, or Principal in Charge of multiple projects over the last 15 years at VNC. Projects included Runway 5-23 and Runway 13-31 rehabilitation, rehabilitation or reconstruction of all the airport's taxiways, Runway 13-31 extension (including the construction of an EMAS), Runway Safety Area Improvements, aircraft washrack facility, new T-hangars, and renovation of existing hangars. Other work included preparing all FAA grant documents (pre-applications, applications, quarterly reports, grant compliance during construction, and closeout.) Mohsen continues serving VNC as a subconsultant to another firm and is currently involved with designing a new terminal building.

MOHSEN MOHAMMADI, Ph.D., PE

Project Manager/Principal

General Consulting Contract

Crystal River (CGC) and Inverness Airports (INF) - Citrus County, FL

Mohsen was the Project Manager, Engineer of Record, and Principal of multiple projects completed at the Crystal River and Inverness Airports during the last twenty years. These projects include runway, taxiway, and apron rehabilitation, taxiway relocation, obstruction clearing, runway displaced threshold, and hangar airspace analysis. Services provided included project management, design, quality assurance, grant assistance and compliance, construction management, RPR services, permitting, and coordination with the FDOT and FAA.

General Engineering Contract

Albert Whitted Airport (SPG) - St. Petersburg, FL

For over 20 years, Mohsen served as Project Manager, Engineer of Record, or Principal in Charge for multiple airport engineering services provided at SPG. Projects included a feasibility study for Runway 7-25 extension into Tampa Bay, Runway 7-25 and Runway 18-36 rehabilitation, Taxiways B and C rehabilitation, hangar and T-hangar facilities, tie-down apron, Stormwater Master Plan update, DBE program update; and Wildlife Management Plan.

General Engineering Consulting Services and Specific Projects

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

For over 22 years, Mohsen has served as the Project Manager, Principal in Charge, or Engineer of Record for multiple airport engineering services at ZPH. Projects included Runway 1-19 extension T-hangar facilities, security fencing and gates, apron construction and expansion, Stormwater Master Plan update, Environmental Assessment for Runway 1-19 extension, extension of South Avenue, rehabilitation of Taxiway B, and renovations to the Barracks Building. Currently, Mohsen is involved with several other projects at ZPH, including Runway 1-19 Rehabilitation, the new FBO terminal building, the new Taxiway F, and two new box hangars.

General Engineering Services

Henry E. Rohlsen International Airport (STX) - St. Croix, USVI

Mohsen served as the Project Manager, Engineer of Record, or Principal In Charge on multiple projects for over 22 years at STX. Projects included Runway 10-28 extension, Runway 10-28 and taxiways rehabilitation, Runway 10-28 paved shoulders, apron reconstruction, new ARFF facility, new Air Traffic Control Tower, commercial terminal renovations and expansions, airfield electrical, and stormwater improvements. Other work included preparing all grant documents (pre-applications, applications, quarterly reports, grant compliance during construction, and closeout.)

General Engineering Services

St. Pete-Clearwater International Airport (PIE) - Clearwater, FL

Mohsen served as the Project Manager or the Principal in Charge of multiple projects at PIE for the last 12 years. Projects included inspections of all the pavements on runways and taxiways to determine the current conditions and provide recommendations for rehabilitation. The final report provided a matrix with pavement condition ratings, recommended repairs, and the proposed year for these repairs. The County utilized this information to update the airport's Capital Improvement Program. Other projects include rehabilitation of all the taxiways (phases 1 and 2), construction management and inspection services for apron rehabilitation, terminal renovations, and baggage handling system. Mohsen was also involved with the development of the Stormwater Master Plan and the preparation of construction documents for three remote lot parking expansions and assisted the County during construction.

Ramp, Blast Deflectors, and Taxilane Improvements

Miami International Airport (MIA) - Miami, FL

Mohsen serves as the Project Manager and Engineer of Record for this ongoing project. He and the MDG staff completed the civil engineering design to construct a new ramp, blast deflectors, and a new taxilane for Signature Flight Support at MIA. Main project elements include demolishing an existing building and pavement at the North Ramp and constructing a new 425,000 SF concrete ramp. Many stormwater considerations were required for this project, including redesigning the stormwater network and installing grit chambers and drainage ditches to direct water into a new Oil/Water Separator.



NABIL HMEIDI, PE

Engineer

QUALIFICATIONS SUMMARY

With over 36 years of experience, Nabil has provided airfield civil engineering services for designing runways, taxiways, and aprons. His experience includes directing due diligence efforts and preparing scopes of work for subconsultants, Engineer's Estimates of probable cost, specifications, Engineer's Reports (E.R.), Program Verification (P.V.) reports, and Construction Safety and Phasing Plans (CSPP). He has reviewed construction plans and conducted pre-construction meetings, prepared Construction Management Plans (CMP), reviewed and responded to shop drawings, Requests for Information (RFI), and PayApps, and performed Q.C. reviews of project plans at various stages of production. Nabil has also acted as the Resident Project Representative (RPR) for multiple airports.

Nabil is also knowledgeable and experienced in geotechnical engineering and construction materials testing. He has directed geotechnical explorations for airport projects throughout Florida, the U.S., and the U.S. Virgin Islands. As the Geotechnical Engineer of Record, Nabil has directed geotechnical explorations and performed pavement evaluations for new construction and rehabilitation of runways, taxiways, aprons, and hangars. Nabil manages the initial coordination, planning, and execution of field samples and data collection, reviews collected data, assigns laboratory testing protocol and analyzes test results to provide geotechnical recommendations to airport clients. Nabil is proficient in governmental regulations and testing standards such as FAARFIELD, FAA, COE, ASTM, OSHA, AASHTO, and DOT.

EXPERIENCE

Runway 9-27 Extension

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Airfield Engineer and Geotechnical Engineer - Nabil prepared a geotechnical exploration report that included pavement analysis (based on the new fleet mix) and recommendations for subgrade preparations and construction of the new pavement section. During the design phase, Nabil prepared the runway extension design documents following the design standards contained in the Federal Aviation Administration (FAA) Airport Design Criteria Circular (A.C.) 150/5300-13, Change 1, and the Standards for Specifying Construction at Airports (A.C.) 150/5370-10. He also prepared specifications, E.R., CSPP, and construction documents.

Bluewater Aviation Hangar Development, Phase 1

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Nabil provided geotechnical engineering services for the development of a vacant parcel at BKV. This development includes a new FBO building, several hangars, a paved apron and taxilanes, vehicle access roads and parking facilities, and a fuel farm.

EDUCATION:

B.S. - Civil Engineering
Southern A&M University

YEARS EXPERIENCE: 36

PROFESSIONAL CREDENTIALS:

Professional Engineering Licenses:

Florida, U.S. Virgin Islands, Alabama,
Georgia, Mississippi, Tennessee

NABIL HMEIDI, PE

Engineer

Taxiway A Rehabilitation

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Geotechnical Engineer of Record for the rehabilitation of Taxiway A and all the taxiway connectors and the construction of a new Taxiway A5. To avoid disturbing underground anomalies, the existing 8-inch-thick concrete slab was milled by 1.5 inches, covered with a 1.5-inch asphalt leveling course, and then a new asphalt surface course (3 inches thick) was applied.

FBO and Hangar Development

Palm Beach International Airport (PBI) - West Palm Beach, FL

Nabil serves as the Airfield Engineer for the civil engineering design services for Signature Flight Support's new FBO and Hangar Development at PBI. This project consists of the construction of three 40,000-SF hangar structures with attached office/shop spaces and associated parking areas, a new 250,000-SF concrete ramp, and a two-story terminal building. Other elements include the design of a fuel farm, GSE building, new utility infrastructure, airspace analysis, local permitting, and stormwater coordination. Nabil also serves as the Geotechnical Engineer for this project. For this task, Nabil coordinated the field exploration program, reviewed and analyzed collected data, and issued a Geotechnical Exploration report that included site preparations, structural fill/backfill, pavement design, settlement, and foundation support recommendations for the design of the proposed development.

Ramp, Blast Deflectors, and Taxilane Improvements

Miami International Airport (MIA) - Miami, FL

Nabil serves as the Airfield Engineer providing civil engineering design services for the construction of a new ramp, blast deflectors, and a new taxilane for Signature Flight Support at MIA. Main project elements include the demolition of an existing building to incorporate its footprint onto the North Ramp totaling approximately 480,000-SF of new concrete paved surface, installing new AOA fencing, and multiple blast deflectors. Many stormwater considerations were required for this project, including redesigning the stormwater network and installing grit chambers and drainage ditches to direct water into a new Oil/Water Separator.

Itinerant Apron

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Airfield Engineer and Geotechnical Engineer - This project consisted of constructing a new asphalt paved apron of approximately 146,000 SF, installing stormwater pipes and inlets, improving site stormwater management, and designing a layout for new three-point tie-down anchors. Also included was removing and replacing the high mast lighting poles along the south edge of the apron and installing pavement markings. Nabil conducted a geotechnical exploration within the new apron and issued recommendations that included pavement analysis and design and recommendations for subgrade preparations and construction of the new pavement section. During the design phase, Nabil prepared the design documents following the design standards contained in the Federal Aviation Administration (FAA) Airport Design Criteria Circular (A.C.) 150/5300-13, Change 1, and the Standards for Specifying Construction at Airports (A.C.) 150/5370-10. Nabil also prepared estimates, CMP, specifications, E.R., and CSPP and reviewed shop drawing submittals and construction documents.

Runway 13-31 Rehabilitation

Venice Municipal Airport (VNC) - Venice, FL

Project Engineer and Geotechnical Engineer - This project included rehabilitating the deteriorating pavements within Runway 13-31 by asphalt milling and overlay. Other improvements included seal coating of Taxiway connectors A, B, E, F, D, and Runway 13-31 from Taxiway connector F to D. Nabil conducted a geotechnical exploration and provided recommendations that included pavement analysis and design related to pavement rehabilitation. During the design phase, Nabil's duties included preparing design documents per ACs 150/5300-13 and 150/5370-10, estimates, CMP, specifications, E.R., CSPP, and reviewing shop drawing submittals and construction documents.

Runway 10-28 Rehabilitation, Taxiway A Extension, and New Taxiway Connectors

Plant City Airport (PCM) - Plant City, FL

Geotechnical Engineer - This project included pavement rehabilitation of Runway 10-28 ($\pm 3,950$ feet long and 75 feet wide), Taxiway A, taxiway connectors, taxilanes, and blast pads by milling and overlay. The project also included the construction of new taxiway connectors. On this project, Nabil coordinated, planned, and directed soil and pavement cores collection, analyzed collected data and laboratory test results, and provided geotechnical engineering recommendations for the proposed construction and improvements.



ZIBA MOHAMMADI, PE, PTOE, CBI

Engineer

QUALIFICATIONS SUMMARY

Ziba has over 30 years of diverse engineering experience. Her expertise encompasses many fields in Civil and Structural Engineering, including program management, project management, airfield design, roadway design, traffic mast arm design, Intelligent Transportation Systems Analysis, design and implementation, traffic engineering studies and signal timing, construction management, roadways and drainage design, bridge design, and bridge inspections and load rating. Her experience includes 23 years working for the City of St. Petersburg, leading numerous transportation projects.

Ziba has also been involved with multiple aviation projects in recent years at several airports in Florida and throughout the United States. Ziba has served as the Lead Engineer on various airside and landside projects, preparing design and specifications, engineers' reports, CSPPs, and cost estimates. Projects have been completed at Zephyrhills Municipal Airport, Tampa International Airport, Westchester County Airport, Asheville Regional Airport, and Brooksville-Tampa Bay Regional Airport

EDUCATION:

M.S. Engineering Management -
University of South Florida
B.S. Civil Engineering - University of
Shahid Bahonar

YEARS EXPERIENCE: 30

PROFESSIONAL CREDENTIALS:

Professional Engineering License: Florida
Certified Professional Traffic Operations
Engineer (PTOE)- All States
Certified Bridge Inspector (CBI)- All States

PROFESSIONAL ORGANIZATIONS:

Florida Engineering Society
American Society of Civil Engineers

EXPERIENCE

Bluewater Aviation Hangar Development, Phase 1

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Ziba serves as the Lead Civil Engineer for the development of a vacant parcel at BKV. This development includes a new FBO building, several hangars, an aircraft parking apron and taxiway, vehicle access roads and parking facilities, and a fuel farm. Ziba manages the design, preparation of technical specifications and cost estimates, coordination with the county on permitting, and the review of the construction plans. This project is ongoing with construction to be completed by early 2025.

Runway 1-19 Rehabilitation

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Ziba is the Lead Civil Engineer for the Runway 1-19 rehabilitation at ZPH. The rehabilitation will include a nominal 2" milling and 2" of new asphalt mix pavement, grooving, pavement markings, sodding on the shoulders, and replacing elevated Runway 1-19 edge and end lights with flush mounted lights. Ziba was responsible for the design and plans production, preparation of technical specifications, CSPP, Engineer's Report, and cost estimate. This project is ongoing, with a projected construction cost of \$4.3 million. Construction will be completed in early 2025.

Taxiway F

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Ziba is the Lead Civil Engineer for this project, which consists of designing and constructing a partial parallel taxiway on the south side of Runway 5-23 at ZPH. The new 35-foot wide by 1,700-foot-long taxiway will provide safe and more efficient access between Runway 5's end and existing Taxiway B. It will also provide access to future aeronautical development on the west side of the airfield, including access to two new box hangars, which are currently under design.

ZIBA MOHAMMADI, PE, PTOE, CBI

Engineer

New Terminal

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Ziba is the Lead Civil Engineer for this project. The Fixed Base Operator (FBO) for general aviation (GA) at ZPH currently operates out of a small building in the west quadrant of the airport. This project includes the design and construction of a new 8,000-square-foot building that will be located just north of the existing FBO building and will consist of landside access, vehicular parking, aircraft parking apron, pilot and passenger amenities (lobby, pilot's lounge, vending, rental car services, etc.), and administrative offices. Ziba is responsible for all the civil elements of this project, including design, permitting, and preparation of plans. Construction is anticipated to be completed in late 2025 at a cost of approximately \$4.5M.

New Terminal

Venice Municipal Airport (VNC) - Venice, FL

Ziba serves as the Lead Civil Engineer on this project, which includes constructing a new 8,000 SF, three-story terminal building at VNC. New parking facilities will be constructed, and the existing access road, security fencing, and gate will be modified. The project will also include a new stormwater facility, installation of utilities (water, sewer, power, gas, and communications), landscaping, and irrigation. The project is estimated at \$6M, and construction is expected to be completed in 2025.

Taxilane and Apron Rehabilitation, Phase 1 (Signature Aviation)

Asheville Regional Airport (AVL) - Fletcher, NC

Ziba is the Lead Civil Engineer responsible for rehabilitating the aprons and taxilane pavement associated with the South Ramp at Signature's FBO facility at AVL. Ziba's responsibilities include the design and review of the construction plans, preparation of the CSPP, and cost estimates. Phase 1 of this project is estimated at \$1.2M, with construction to be completed in 2024.

Parking Lot Improvements (Signature Aviation)

Westchester County Airport (HPN) - White Plains, NY

Ziba serves as the Lead Civil Engineer for this project, which includes the milling and resurfacing of the vehicle parking lot. Four new electric gates will be installed, including two AOA gates as well as new lighting. Ziba's responsibilities include coordination with the Owner and subconsultants, coordination with the contractor, assistance with bidding, and construction administration. This \$800K project will be completed in 2024.



GRAHAM FELAND, PE

Drainage Engineer

EDUCATION:

B.S. Civil Engineering,
University of Central Florida

YEARS EXPERIENCE: 7

PROFESSIONAL CREDENTIALS:

Professional Engineering Licenses:

Florida, Maryland, Missouri,
New York, Texas,

QUALIFICATIONS SUMMARY

Graham Feland is a highly qualified professional who specializes in producing engineering documents by developing construction specifications and plans within a determined schedule. He has extensive experience designing primary and secondary stormwater systems and utility networks. Graham coordinates plan production through the project owners and adheres to their specifications and safety standards by monitoring progress and verifying calculations.

Graham also visits sites to address problems in the field and propose resolutions. He actively maintains permitting progress, fulfilling deadlines, and meeting project schedules. He complies with federal, state, and local laws and regulations and meets with clients to understand timelines, cost concerns, and potential construction issues. With his expertise, Graham is a valuable asset to any project in the field of engineering and construction.

EXPERIENCE

Bluewater Aviation Hangar Development, Phase 1 Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Graham is providing drainage engineering services for the development of a vacant parcel at BKV. This development includes a new FBO building, several hangars, a paved apron and taxiways, vehicle access roads and parking facilities, and a fuel farm. As the drainage engineer on the project Graham will be modifying the existing BKV master stormwater plan to reflect the site-specific conditions and ensuring that the proposed drainage conforms with the AHJ criteria, and intent of the master stormwater design.

Ramp, Blast Deflectors, and Taxiway Improvements Miami International Airport (MIA) - Miami, FL

Graham is the Drainage Engineer for constructing a new ramp, blast deflectors, and a new taxiway for Signature Flight Support at MIA. The main project elements include demolishing an existing building and pavement at the North Ramp, constructing a new 450,000 SF concrete ramp, installing new AOA fencing, and building a new blast fence. Many stormwater considerations were required for this project, including redesigning the stormwater network and installing grit chambers and drainage ditches to direct water into a new Oil/Water Separator.

New Terminal Building Venice Municipal Airport (VNC) - Venice, FL

Graham is the Drainage Engineer for constructing a new 5000 SF, three-story terminal building at VNC. New parking facilities will be constructed, and the existing access road, security fencing, and gate will be modified. The project will include a new stormwater facility, installation of utilities (water, sewer, power, gas, and communications), landscaping, and irrigation. Graham will be designing the proposed stormwater system based on the existing VNC master stormwater plan and complying with the design criteria and intent set in the master plan.

GRAHAM FELAND, PE

Drainage Engineer

New Hangar Development

Atlantic City International Airport (ACY) - Atlantic City, NJ

Graham is the Drainage Engineer for the design and construction of a new 16,470 SF hangar with attached office/shop spaces and associated parking areas. This project also includes the addition of a ±150,000-gallon water storage tank (for fire protection), a stormwater system, water, sewer, communications, and gas. The project required permitting from the United States Fish and Wildlife Service (USFWS) and the New Jersey Department of Environmental Protection (NJDEP), New Jersey Pinelands Commission, and Cape Atlantic Soil Conservation District. Graham designed the system to comply with the varying criteria set by each agency, accounting for flow, volumetric, and nutrient treatment requirements.

FBO Terminal and Hangar Development

Stewart International Airport (SWF) - New Windsor, NY

Graham is the Project Manager for the civil design of a new FBO terminal and hangar at SWF. This project also includes rehabilitating the paved parking lot, reconstructing the pavement between the new hangar and the deicing apron, and rehabilitating existing parking stalls.



TIMEKA CARTER

Senior Airport Planner

EDUCATION:

B.S. Aviation Management,
Florida Institute of Technology

YEARS EXPERIENCE: 17

QUALIFICATIONS SUMMARY

Timeka is a Senior Planner with MDG possessing 17 years of experience with airport planning projects such as master planning, Part 150 noise compatibility planning and implementation, airspace analysis, land use planning, environmental planning, project justifications, and grant administration. Timeka has extensive experience in the public and community outreach elements associated with many planning projects ranging from small board meetings to large-scale community workshops. Timeka is proficient in ArcGIS, the Aviation Environmental Design Tool used for noise analysis and preparing various planning-level graphics.

EXPERIENCE

Disadvantaged Business Enterprise (DBE) Program Updates Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Senior Planner. Timeka completed the two most recent DBE Program updates for BKV. She calculated the 3-year DBE goal and conducted the consultation outreach to assist with the program development. Timeka also handled coordination with the FAA.

Runway 9-27 Runway Safety Area Analysis Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Senior Planner. Timeka was responsible for the inventory and documentation of airfield features within the Runway Safety Area (RSA). This project was completed following the Office of Airports (ARP) Standard Operating Procedure (SOP) 8.00, Runway Safety Area Determination.

Bluewater Aviation Hangar Development, Phase 1 Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Senior Planner. Timeka completed the research, FAA coordination NEPA requirements, and preparation of the Documented Categorical Exclusion for the hangar development. Additionally, Timeka was responsible for the airspace analysis required during the site development and construction phase.

Runway 3-21 Length, Wind, and Capacity Analysis Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Planner. Timeka evaluated wind coverage and the capacity of Runway 3-21 to accommodate the typical aircraft fleet mix during the closure of Runway 9-27 for an upcoming rehabilitation project. The rehabilitation of Runway 9-27 was expected to be extensive and require the runway to be closed over a long period during construction. A technical report was drafted and submitted discussing the findings and the temporary limitations to larger jet aircraft operations.

RON Parking Optimization Jacksonville International Airport (JAX) - Jacksonville, FL

Senior Planner. Timeka developed alternative Remote Overnight Parking (RON) layouts to maximize available aircraft parking and designated Ground Service Equipment (GSE) space. This project resulted in relocating portions of the apron service road and improved pavement markings.

TIMEKA CARTER

Senior Airport Planner

Runway 1-19 Rehabilitation

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Senior Planner. The rehabilitation will include a nominal 2" milling and 2" of new asphalt mix pavement, grooving, pavement markings, sodding on the shoulders, and replacing elevated Runway 1-19 edge and end lights with flush mounted lights. Timeka coordinated and submitted the Categorical Exclusion (CATEX) and 7460 Airspace Analysis for this project.

Taxiway F and Box Hangars

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Senior Planner. This project involves designing and constructing a partial parallel taxiway on the south side of Runway 5-23 at ZPH. The new 35-foot wide by 1,700-foot-long taxiway will provide safe and more efficient access between Runway 5 end and existing Taxiway B. It will also provide access to future aeronautical development on the west side of the airfield, including access to two new box hangars, which are currently under design. Timeka was responsible for the coordination and submittal of the Categorical Exclusion (CATEX) and 7460 Airspace Analysis.

Terminal Building

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Senior Planner. The Fixed Base Operator (FBO) for general aviation (GA) at ZPH currently operates out of a small building in the west quadrant of the airport. This project includes the design and construction of a new 8,000-square-foot building that will be located just north of the existing FBO building and will consist of landside access, vehicular parking, aircraft parking apron, pilot and passenger amenities (lobby, pilot's lounge, vending, rental car services, etc.), and administrative offices. Timeka was responsible for the coordination and submittal of the Categorical Exclusion (CATEX) and 7460 Airspace Analysis. Additionally, Timeka provided grant assistance for project funding.

FBO Terminal and Hangar Development

Stewart International Airport (SWF) - New Windsor, NY

Senior Planner. MDG provides the civil/site design of a new FBO terminal and hangar at SWF. This project also includes rehabilitating the paved parking lot, reconstructing the pavement between the new hangar and the deicing apron, and rehabilitating existing parking stalls. Timeka prepared and submitted the 7460 Airspace Analysis.

Parking Lot Rehabilitation and Expansion

Louis Armstrong New Orleans International Airport (MSY) - Kenner, LA

Senior Planner. MDG prepared construction documents to reconstruct the 23,350 SF concrete parking lot, which involved removing failed concrete panels and replacing them with new concrete pavement. The existing parking lot was also expanded by paving the adjacent gravel parking lot. Timeka prepared and submitted the 7460 Airspace Analysis required for this project.

New Hangar, FBO Terminal Renovation, CBP GAF, and Apron Improvements

Baltimore/Washington International Airport (BWI) - Baltimore, MD

Senior Planner. MDG provides civil engineering design services for this project, which includes constructing a new hangar, renovating the existing terminal building, and rehabilitating the existing apron. A CBP General Aviation Facility (GAF) will be added as part of the building renovations. The work includes rehabilitating approximately 456,000 SF of existing apron pavement, demolishing three T-hangars and building approximately 77,000 SF of new pavement, building a 30,000 SF new hangar with 3,000 SF of offices and shop space, and installing 9,000 SF of new landscaping and pavement in front of the new hangar. Timeka was responsible for the coordination and submittal of the 7460 Airspace Analysis. She also prepared the Categorical Exclusion (CATEX) for the National Environmental Policy Act (NEPA) process.



KARLA DOWD

QC/Constructability Reviews/Const. Services

EDUCATION:

A.S. - Civil Engineering and Surveying
Technology, Sandhills Community
College

YEARS EXPERIENCE: 38

QUALIFICATIONS SUMMARY

Karla has experience in construction management, resident project representative (RPR), and design, with excellent client and project management skills. Karla's experience and qualifications include a background in airport and civil projects, acting as a liaison to clients, contractors, and engineers; inspection services; budgeting; cost estimating; constructability reviews; and design, plans, and specifications production. Karla's responsibilities have included inspecting work to verify it was per plans and specifications; coordination between all parties; attending/administering pre-construction and weekly progress meetings; reviewing and approving shop drawing submittals; reviewing and responding to RFI's; coordinating and scheduling QA/QC testing; preparing and submitting change orders; maintaining detailed daily logs and diaries; verifying quantities; and approving pay applications.

EXPERIENCE

Taxiway F

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Quality Control Reviewer | This project consists of designing and constructing a partial parallel taxiway on the south side of Runway 5-23 at ZPH. The new 35-foot wide by 1,700-foot-long taxiway will provide safe and more efficient access between Runway 5's end and existing Taxiway B. It will also provide access to future aeronautical development on the west side of the airfield, including access to two new box hangars, which are currently under design.

Taxilane and Apron Rehabilitation, Phase 1 (Signature Aviation)

Asheville Regional Airport (AVL) - Fletcher, NC

Quality Control Reviewer | This project includes rehabilitating the aprons and taxilane pavement associated with the South Ramp at Signature's FBO facility at AVL. Phase 1 of this project is estimated at \$1.2M, with construction to be completed in 2024.

Ramp, Blast Deflectors, and Taxilane Improvements

Miami International Airport (MIA) - Miami, FL

Quality Control Reviewer | MDG is providing professional engineering services for the construction a new ramp, blast deflectors, and a new taxilane at Signature Aviation's MIA FBO facility. The main project elements include demolishing an existing building and pavement at the North Ramp, constructing a new 450,000 SF concrete ramp, installing new AOA fencing, and building a new blast fence. Many stormwater considerations were required for this project, including redesigning the stormwater network and installing grit chambers and drainage ditches to direct water into a new Oil/Water Separator.

KARLA DOWD

QC/Constructability Reviews/Const. Services

New Hangar, FBO Terminal Renovation, CBP GAF, and Apron Improvements Baltimore/Washington International Airport (BWI) - Baltimore, MD

Quality Control Reviewer | MDG provides civil engineering design services for this project, which includes constructing a new hangar, renovating the existing terminal building, and rehabilitating the existing apron. A CBP General Aviation Facility (GAF) will be added as part of the building renovations. The work includes rehabilitating approximately 456,000 SF of existing apron pavement, demolishing three T-hangars and building approximately 77,000 SF of new pavement, building a 30,000 SF new hangar with 3,000 SF of offices and shop space, and installing 9,000 SF of new landscaping and pavement in front of the new hangar.

Air Cargo Expansion Facility Tampa International Airport (TPA) - Tampa, FL

Senior Construction Coordinator | This design-build project includes site, utilities, roadway, taxiway, apron construction, a hydrant fuel system, and a UPS building. Karla's duties include coordination between the Contractor, Engineer, and the Owner for any items that may arise, including airfield access and closures, maintenance of traffic (MOT), and resolution of utility conflicts. She also monitors field activities daily.

Part 139 Airfield Improvements Tampa International Airport (TPA) - Tampa, FL

Senior Construction Coordinator/Inspector | This project included grading and drainage improvements, electrical, manhole, and junction can repairs, and pavement rehabilitation to bring areas into compliance with the Part 139 inspections. Karla's duties included monitoring assigned subcontractors' field activities, identifying and verifying any required mediation activities for non-conforming work, processing pay applications, and resolving field issues with the construction team.

Airport Improvements and Expansion Program Management Ph. 2 New Taxiway A and Bridge Tampa International Airport (TPA) - Tampa, FL

Senior Construction Coordinator/Inspector | This project included the construction of a new 3,200-foot long by 75-foot-wide elevated concrete taxiway with 30-foot-wide asphalt shoulders. The taxiway consists of 227-foot-long by 216-foot-wide cast-in-place, post-tensioned concrete bridge structure with Mechanically Stabilized Earth (MSE) walls over a service road below (Phases 1 to 3). Karla's duties included monitoring assigned subcontractors' field activities; reporting on subcontractors' progress; identifying and verifying any required mediation activities for non-conforming work; assisting with data recording through daily reports and job site photos; and providing weekly and monthly status reports.

Runway 4-22 and Other Pavement Rehabilitation Peter O. Knight Airport (TPF)- Tampa, FL

Resident Project Representative (RPR) | Resident Project Representative for multiple phases of this airfield rehabilitation, including Runway 4-22, Taxiway A, aprons, and T-hangar taxilanes. The work included approximately 12,600 tons of bituminous asphalt course and cold in-place recycling of the asphalt and base course, in addition to minor grading and drainage improvements.



JACQUELINE (JACKIE) CURRY

Resident Project Representative

YEARS EXPERIENCE: 27

PROFESSIONAL CREDENTIALS:

- ♦ Licensed Standard Inspector FL: Florida - No. BN6405
- ♦ CTQP Final Estimates-Level 1: C60043362706
- ♦ CTQP Earthwork Construction Inspection-Level 1: C60043362706
- ♦ CTQP Earthwork Construction Inspection-Level 2: C60043362706
- ♦ CTQP Asphalt Paving Technician Level 1: C60043362706
- ♦ CTQP Asphalt Paving Technician Level 2: C60043362706
- ♦ Qualified Stormwater Management Inspector-FL DEP: 37699
- ♦ Troxler Nuclear Gauge Safety Training
- ♦ FDOT Concrete Field Inspector

QUALIFICATIONS SUMMARY

Jackie has over 27 years of experience in construction materials testing, building inspection, and Resident Project Representative (RPR). She has served on several airport projects in an RPR capacity in Florida, the U.S. Virgin Islands, and the Southeastern United States. Her duties on these projects included serving as a special inspector delegate, reviewing project plans and specifications, shop drawings, tracking non-compliant items, and following up with clients, contractors, and the Engineer of Record (EOR). Jackie has been RPR on many runways, taxiways, and apron rehabilitation and reconstruction projects. Her duties have included monitoring field activities of contractors and subcontractors, tracking project progress, attending pre-construction and weekly progress meetings, identifying discrepancies, instructing the contractor(s) to correct non-conforming work, assisting with data recording, reviewing and approving Pay Applications, and providing periodic status reports. Jackie is well versed in FAA Advisory Circulars, the use of airfield communication radios, AASHTO, ASTM, and DOTs design standards and testing guidelines.

EXPERIENCE

Runway 9-27 Rehabilitation

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

This project included the rehabilitation of Runway 9-27, re-grading Runway shoulders, removing obstructions from RSA and ROFA, relocating the localizer and wind cone, and constructing a service road to the glideslope and localizer shelters. Jackie served as the RPR for these improvement elements. Her duties included monitoring the field activities of assigned subcontractors, reporting on subcontractors' progress, identifying and verifying required mediation activities for non-conforming work, assisting with data recording, reviewing and approving PayApps, and providing periodic status reports.

Taxiway A Rehabilitation

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Jackie served as the Resident Project Representative for the Rehabilitation of Taxiway A and all taxiway connectors and the construction of new Taxiway A5. Her duties included monitoring the field activities of assigned subcontractors, reporting on subcontractors' progress, identifying and verifying any required mediation activities for non-conforming work, assisting with data recording, and providing status reports.

Runway 1-19 Extension

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

This project involved the extension of Runway 1-19 (150-foot wide with paved shoulders) and Taxiway B 1,500 feet to the south and the construction of stormwater water management facilities/retention ponds. Jackie served as the Resident Project Representative for these improvement elements. Her duties included monitoring the field activities of assigned subcontractors, reporting on subcontractors' progress, identifying and verifying required mediation activities for non-conforming work, assisting with data recording, reviewing and approving PayApps, and providing periodic status reports.

Terminal Apron Rehabilitation, Phase 3

Henry E. Rohlsen International Airport (STX) - St Croix, VI

Jackie served as the Resident Project Representative (RPR) for reconstructing the concrete air carrier Terminal Apron and developing a new parking plan for all terminal aircraft parking positions, including construction-phasing plans. As RPR, Jackie's duties included monitoring and documenting daily construction activities, attending weekly meetings, reviewing Pay Apps, and communicating with owners and project team members.



ALICIA VANDERPOOL

Grant Compliance

EDUCATION:

B.S. Marketing Management, International
Academy of Design and Technology

YEARS EXPERIENCE: 8

PROFESSIONAL AFFILIATIONS:

Tony Jannus Distinguished
Aviation Society
Tampa Bay Aviation Association
Florida Airports Council

QUALIFICATIONS SUMMARY

Alicia has worked with airports on various projects and tasks. Clients have come to rely on her to navigate them through the different grant processes. Alicia's knowledge and experience with airport operations allow her to effectively assist the Project Managers in delivering compliant projects as well as act as a liaison between clients, contractors, and engineers. Her diverse experience includes assisting in document control, preparation of subconsultant and prime agreements, assisting with local, federal, and state grant compliances, preparing front-end bid documents, technical specifications, cost estimates, bid forms, FAA Contract Provisions, FDOT Contract Provisions and the Construction Safety and Phasing Plan (CSPP). Alicia is proficient in the Davis Bacon Act, Service Contract Act, and Buy American Requirements.

EXPERIENCE

Runway 1-19 Extension

Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Alicia was responsible for document control for this project, which included constructing a new $\pm 1,510$ foot extension to the south end of Runway 1, a new 35-foot-wide parallel taxiway extending from the south end of the existing Taxiway B, two new taxiway connectors, and associated stormwater management facility. Alicia assisted the Project Manager with preparing the bid form and assembling technical specifications, cost estimates, and the project manual.

Runway 18-36 Rehabilitation

Albert Whitted Airport (SPG) - St. Petersburg, FL

The main element of this FAA-funded project was the rehabilitation of Runway 18-36. The width of the Runway was reduced from 150 feet to 75 feet with 12.5-foot paved shoulders. New taxiway connectors were also constructed, the PAPIs were relocated, and runway and taxiway edge lighting was replaced. Alicia assisted the Project Manager with FAA grant compliance and assembling supporting documentation. She reviewed certified payrolls and pay applications and attended construction meetings. Alicia also assisted with assembling the bid form, technical specifications, and front-end specifications.

Terminal Improvements, Phase 1

Henry E. Rohlsen Airport (STX) - St. Croix, U.S.V.I.

Alicia provided grant compliance services and document control for this project, which included renovating the hold room, concessions, and public restrooms and expanding the existing departure hold room. Alicia assisted the Project Manager with FAA grant compliance and assembling supporting documentation. She reviewed certified payrolls and pay applications and attended construction meetings



CRAIG W. HANSON, AIA, LEED® AP

Architect

QUALIFICATIONS SUMMARY

Craig, Principal/Owner of HDG Architecture, has provided architectural design, consulting, and project management services for more than 200 aviation projects. He has demonstrated superior leadership as the lead design architect and project director on numerous complex aviation projects throughout the United States and Internationally. Through his 30 years of professional experience, Craig has produced an in-depth knowledge base of all facets of airport programming, planning, and architectural design. The projects have ranged from large-scale International Terminals to a variety of aviation facilities at regional airports.

Since 1997, Craig has worked with Signature Flight Support, who operates the world's largest network of Fixed Base Operators (FBOs), on the design, planning and assessment of more than 80 FBO terminal and hangars across the United States. This experience includes the First LEED® Certified Signature Flight Support facility in North America at Boston-Logan International Airport. Craig is responsible for the day-to-day design management for these projects, as well as ensuring each aviation design project maintains the client's high level design standard of excellence.

EXPERIENCE

Signature Flight Support - Nationwide

- ◆ FBO Terminal, Hangars, and GSE facility at Bozeman International Airport
- ◆ FBO Terminal and Customs & Border Protection Facility at Ted Stevens Int. Airport
- ◆ FBO Terminal, 3 Hangars, and GSE facility at Palm Beach International Airport
- ◆ FBO Terminal, 2 Hangars at Francis S. Gabreski Airport
- ◆ FBO Terminal Renovation at Louis Armstrong International Airport
- ◆ FBO Terminal Renovations and Expansion at Huntsville International Airport
- ◆ FBO Terminal, VIP & GSE at Boston-Logan International Airport (LEED® Certified)
- ◆ FBO Terminal, VIP & Elite VIP at Hartsfield-Jackson Atlanta International Airport
- ◆ FBO Terminal & 8 Hangars at San Jose International Airport (LEED® Silver Certified)
- ◆ FBO Terminal & GSE Facility for NetJets at Palm Beach International Airport
- ◆ FBO Terminal & Hangar at Nashville International Airport
- ◆ FBO Terminal, VIP & GSE at Chicago O'Hare International Airport (LEED® Silver Certified)
- ◆ FBO Terminal, VIP & Hangars at San Francisco International Airport (LEED® Gold Certified)
- ◆ FBO Terminal at Princess Julianna International Airport, St. Maarten
- ◆ FBO Terminal at Indianapolis International Airport
- ◆ FBO Terminal at Chicago Regional Airport

EDUCATION:

Master of Architecture,
University of Washington

YEARS EXPERIENCE: 30

PROFESSIONAL CREDENTIALS:

Registered Architect in Multiple States
and the US Virgin Islands
LEED® Accredited Professional
NCARB Accredited Professional

PROFESSIONAL AFFILIATIONS:

American Institute of Architects
National Council of Architectural
Registration Boards (NCARB)

CRAIG W. HANSON, AIA, LEED® AP

Architect

- ♦ FBO Terminal at Palm Springs International Airport
- ♦ FBO Terminal & VIP at Newark International Airport (LEED® Gold Certified)
- ♦ FBO Terminal & Hangar at Orlando International Airport
- ♦ FBO Terminal Conceptual Design at Miami International Airport
- ♦ FBO Terminal Conceptual Design at San Diego International Airport
- ♦ FBO Terminal Renovation at Dallas Love-Field International Airport
- ♦ FBO Terminal Renovation at Teterboro Airport
- ♦ FBO Terminal Renovation at Palm Beach International Airport
- ♦ FBO Terminal Phase II & III Renovation at Fort Lauderdale International Airport
- ♦ FBO Terminal & Hangars Renovation at Westchester County Airport
- ♦ FBO Terminal Renovations at Ronald Reagan Washington National Airport
- ♦ FBO Terminal Renovations at Washington Dulles International Airport
- ♦ Terminal, Hangar & Office Facility Assessments at Syracuse Hancock International Airport
- ♦ Terminal, Hangar & Office Facility Assessments at Los Angeles International Airport
- ♦ Terminal, Hangar & Office Facility Assessments at Washington Dulles International Airport

Greater Orlando Aviation Authority, General Consultant Contract for Orlando International Airport and Orlando Executive Airport - Orlando, Florida

- ♦ OIA Airsides 1 and 3 Renovation
- ♦ OIA Airside 4 Expansion Study
- ♦ OIA Airside 2 Expansion Study
- ♦ OIA TSA Security Improvements - Landside & Airside
- ♦ OIA Concessions Renovations
- ♦ GOAA Boardroom and Executive Offices

Virgin Islands Port Authority, General Consulting Contract at Henry E. Rohlsen Airport - St. Croix, US Virgin Islands

- ♦ Terminal Expansion and Renovation, including Hold Rooms, TSA Checkpoints, and Concessions
- ♦ New Aircraft Rescue & Firefighting Facility (ARFF)
- ♦ Terminal Solar Energy Implementation

Boca Raton Airport Authority, General Consulting Services Contract at Boca Raton Airport - Boca Raton, Florida

- ♦ Airport Authority Administration Building (LEED® Silver Certified)
- ♦ Hangars Assessment / Review
- ♦ Air Traffic Control Tower Renovation
- ♦ Customs & Border Protection Facility
- ♦ Airport Facilities Assessment Reports

Palm Beach Airport Authority, General Consulting Services Contract

- ♦ PBI International Terminal Concourse, Checkpoints and Gate Areas Finishes Renovation
- ♦ Annual four Airports Facility Assessment Reports
- ♦ TSA Checkpoint Improvements



MARK A. MORLEY, PE, RCDD

Airfield Electrical Engineer

EDUCATION:

B.S., Electrical Engineering - Georgia Institute of Technology
B.S., Mathematics - Clark Atlanta University

YEARS EXPERIENCE: 24

PROFESSIONAL CREDENTIALS:

Professional Engineering Licenses:

Florida, Georgia, Louisiana, Massachusetts, California, South Carolina, North Carolina, New York, New Jersey, Ohio, Pennsylvania, Texas, Virginia, Washington DC, West Virginia
Registered Communications Distribution Designer (RCDD)

PROFESSIONAL AFFILIATIONS:

American Institute of Architects
National Council of Architectural Registration Boards (NCARB)

QUALIFICATIONS SUMMARY

Professional Engineer with more than twenty-four years of experience in project management; electrical design of power distribution systems, lighting and controls, security systems, fire alarm systems, and voice and data communication systems; airfield engineering services; and cost engineering and analysis for transportation, industrial, commercial, utilities, institutional, military, and aviation clients.

EXPERIENCE

New Fuel Farm and Apron

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Provided electrical engineering design services for the construction of a new apron and new fuel farm. The scope of work included demolishing edge lighting at the Taxiway B intersection, installing new LED medium-intensity taxiway edge lights, new LED guidance signage and airfield lighting circuit cables.

Taxiway A Extension

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Provided electrical engineering design and bidding phase services for the extension of the existing Taxiway A between Taxiways A1 & B1.

Taxiway C & D Rehabilitation

Flagler Executive Airport (FIN) - Bunnell, FL

Provided design and construction administration services for the rehabilitation of Taxiways C, D & E. The design included airfield lighting, signage, airfield electrical vault modifications, and airfield lighting control system modifications.

Runway 11-29 Relocation & Extension

Flagler Executive Airport (FIN) - Bunnell, FL

Provided electrical engineering design services for the relocation and extension of the existing Runway 11-29. The design included airfield lighting, signage, airfield electrical vault modifications, and airfield lighting control system modifications.

Airfield Electrical Rehabilitation

Augusta Regional Airport (AGS) - Augusta, GA

Provided electrical engineering design services for the rehabilitation of Runway 17-35 and Taxiway C. The design included the replacement of the existing R/W 17-35 high-intensity runway lights, Distance Remaining signs, T/W C medium-intensity taxiway lights, and signage with new LED lighting. The electrical conductors were also replaced for these circuits.

Passenger Terminal Replacement

Northeast Florida Regional Airport (UST) - St. Augustine, FL

Provided MEP design and construction administration for the reconstruction of the airport's passenger terminal. The work included replacing the existing fabric hangar building with a new precast concrete building. The project included power, lighting, HVAC, new generators, CCTV, and access controls.



JAMES W. KAPPES, PE

Electrical Engineer

QUALIFICATIONS SUMMARY

James Kappes is a 19-year Professional Engineer in electrical design and construction management with an extensive background completing various electrical engineering projects throughout the State of Florida. He brings outstanding leadership and communication skills to any design team that was cultivated through his 21 years of military experience. James strives to be an innovator who excels in finding elegant solutions for difficult problems in the design and implementation of electrical systems.

James understands the importance of communication and has developed and implemented goals and targets for the team. He excels at finding constructive ways to keep projects on track while providing helpful feedback. As a detail-oriented and focused individual, he has a passion for working effectively with multidisciplinary, engaged teams to deliver time-sensitive programs while maintaining priorities and achieving project expectations.

His work in electrical design and construction management experience includes project management, utility coordination, shop drawing submittal review, testing, startups, and construction observation of medium and low voltage distribution systems. James's experience extends into electrical system studies, lighting systems, lighting control systems, fire alarm systems, emergency generation systems, FDOT roadway lighting systems, air carrier and general aviation airport terminal/concourse, and airfield systems.

Technical expertise includes electrical design in medium and low-voltage systems, lighting design/calculations, fire alarm design, short circuit/device coordination/arc flash studies, estimating, utility coordination, project management, submittal reviews, purchasing, client/owner interaction, third-party review, value engineering, change orders, and project closeout.

EXPERIENCE

Ackley Hangar

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

This project included designing the new airfield lighting system for a new taxiway connector, including the demolition plan, layout plan, details, and modification to the existing taxiway lighting system.

Taxiway E Extension

Venice Municipal Airport (VNC) - Venice, FL

Designed extension of existing Taxiway Echo (2,600 ft.) airfield lighting and signage systems. Included layout & design of new taxiway lighting fixtures, new conduits/duct bank and conductor systems, new airfield guidance signage, re-paneling existing airfield signage, and airfield regulator electrical calculations.

Runway 10L-28R Pavement Rehabilitation

Palm Beach International Airport (PBI) - West Palm Beach, FL

Served as Electrical Engineer of Record for the Project. Designed for Runway 10L-28R (10,000 ft.), (22) taxiway connectors electrical & lighting systems, (300) in pavement lighting fixtures, guidance signage, FAA MALSR system, airfield lighting vault electrical and airfield lighting computer control monitoring system modifications, (8) runway guard lighting bar systems and (3) LAHSO systems. Provided construction administrative services.

EDUCATION:

B.S., Electrical Engineering - Florida
Atlantic University

YEARS EXPERIENCE: 19

PROFESSIONAL CREDENTIALS:

Registered Electrical Engineer
Florida - No. 71499

JAMES W. KAPPES, PE

Electrical Engineer

Reconfigure Taxiways E, C4, C5 And Related Work

Treasure Coast International Airport And Business Park (FPR) - Fort Pierce, FL

Designed new airfield lighting and signage systems for the reconfiguration of Taxiway Delta and Taxiway Echo. Included layout & design of new runway/taxiway lighting fixtures, new conduits/duct bank and conductor systems, new airfield guidance signage, and airfield regulator electrical calculations.

Airport Central Airfield Improvements

Palm Beach International Airport (PBI) - West Palm Beach, FL

Provided design services for the rehabilitation of Runway 14-32 shoulders, Taxiway B extension, and the relocation of Taxiway F. The project included the demolition of existing runway and taxiway lighting and signage systems, the design of new runway and taxiway lighting systems, modification of the airfield electrical vault, new duct bank systems, new navigational aids, and lighting systems.

Rehabilitation of Taxiway C

Palm Beach International Airport (PBI) - West Palm Beach, FL

Designed new lighting and signage for the rehabilitation of Taxiway Systems (10,000 ft.). The project included the demolition of existing taxiway lighting and signage systems, design of taxiway lighting systems, modification of airfield electrical vault, new duct bank systems, new LED lighting fixtures, guidance signage, and RGL system.

Rehabilitation of Runway 9R-27L

North Palm Beach County General Aviation Airport (F45) - West Palm Beach, FL

Provided design services, including demolition of existing runway and taxiway lighting and signage systems, design of new runway and taxiway lighting systems, modification of airfield electrical vault, new duct bank, and junction can plaza systems.

Taxiway Foxtrot Relocation

Fort Lauderdale Executive Airport (FXE) - Fort Lauderdale, FL

This project included the design for the relocation of existing Taxiway (3,600 ft.) electrical & lighting systems. The design included the layout & design of new LED lighting fixtures, new homerun connectors, new regulators, LED guidance signage, airfield lighting vault electrical improvements, and airfield lighting computer control monitoring system modifications. Quantum also provided construction administration.

Runway 9 Run-Up Area and TW Intersection Improvements

Fort Lauderdale Executive Airport (FXE) - Fort Lauderdale, FL

This project included the design of new lighting and signage systems for the new Runway 9 run-up area and taxiway modifications. The design also included the layout and design of new LED lighting fixtures, a new duct bank system, LED guidance signage, and modifications to the airfield lighting computer control monitoring system.

Runway 31 Taxiway Bypass

Fort Lauderdale Executive Airport (FXE) - Fort Lauderdale, FL

This project included the design of a new lighting and signage system for a new Taxiway bypass connector. The design included the layout & design of new LED lighting fixtures, a new duct bank system, LED guidance signage, airfield lighting computer control monitoring system modifications

Taxiway G Rehabilitation

Fort Lauderdale Executive Airport (FXE) - Fort Lauderdale, FL

This project included the design of a new taxiway lighting and signage system for the Taxiway G and Taxiway M connectors impacted by the geometry change. It also included the layout and design of new LED guidance signage, new conductors, and electrical calculations of the existing regulators.

Rehabilitation of Runway 4-22

Palm Beach County Park Airport (LNA) - Lake Worth Beach, FL

Provided design services, including demolition of existing runway and taxiway lighting and signage systems, design of new runway and taxiway lighting systems, modification of airfield electrical vault, new duct bank, and junction can plaza systems.



DOUGLAS DICARLO

Airport Planning Support

QUALIFICATIONS SUMMARY

Doug has 30 years of experience in providing aviation consulting services for both general aviation and commercial service airports throughout the United States. He has served as project manager or senior aviation planner on various airport master plans, aviation planning studies, environmental documents, and airfield design projects. His expertise has involved forecasting, airfield geometry, heliport facilities, alternatives analysis, airspace evaluations, and feasibility studies. His project experience has also included airfield analyses, landside facilities, airside/landside capacity, land acquisition, land use compatibility, airport zoning, financial planning, and economic development.

Doug also authored numerous technical reports and has presented his work at symposiums, conferences, workshops, and public meetings/hearings. He has served as a lecturer for both undergraduate and graduate business and aviation classes at Florida Institute of Technology, Embry-Riddle Aeronautical University, and the Ecole Nationale de l'Aviation Civile in Toulouse, France.

EXPERIENCE

North Terminal Concept Design - Hillsborough County Aviation Authority Tampa International Airport (TPA) - Tampa, FL

Senior Planner. Doug evaluated previous aircraft and passenger forecasts, projected future aircraft fleet mixes, and created various aircraft ground movement demand/capacity scenarios for the Tampa International Airport (TPA). He developed a three-dimensional model of the existing and future Title 14 Code of Federal Regulations Part 77 and terminal instrument procedures surfaces. The various critical areas and line of sight requirements of the existing airport traffic control tower (ATCT), future ATCT, and future airport surveillance radar site were also modeled.

Runway 1-19 Extension Environmental Assessment Zephyrhills Municipal Airport (ZPH) - Zephyrhills, FL

Senior Airport Planner. Doug was the lead for conducting the aviation activity forecasts, critical aircraft evaluation and runway length analyses for the Zephyrhills Municipal Airport (ZPH) runway 1-19 extension environmental assessment. He was also the senior planner overseeing the required Interim Airport Layout Plan update and related narrative report.

Master Plan Update

Sebring Regional Airport (SEF) - Sebring, FL

Senior Planner. Doug was the lead for conducting the full aviation activity forecasts for the Sebring Regional Airport (SEF) master plan update. The analyses also included identifying the specific current and future critical aircraft for the airport in support of the effort to extend the primary runway.

Master Plan

St. Pete-Clearwater International Airport (PIE) - Clearwater, FL

Project Manager. Doug led the effort to provide a new master plan for the St. Pete-Clearwater International Airport (PIE). Key elements of this study included the need to evaluate the airport's passenger terminal facilities, infrastructure resiliency, and development plans for the east side of the airfield.

EDUCATION:

MBA - University of Central Florida
B.S., Airway Science Management -
Florida Institute of Technology

YEARS EXPERIENCE: 30

CERTIFICATIONS:

Federal Aviation Administration (FAA)
Private Pilot

PROFESSIONAL AFFILIATIONS:

Airport Consultants Council - Past
Planning Committee Chair
Airports Council International - North
America
American Association of Airport
Executives
Florida Airports Council

DOUGLAS DICARLO

Airport Planning Support

On-Call Planning Services

Naples Airport (APF) - Naples, FL

Project Manager. Doug regularly assists the Naples Airport staff with various planning-related services. Examples include support of the airport's development program, requests for Modification of Standards, apron utilization plans, presentations, and elements of the airport's noise program.

Master Plan

Albert Whitted Airport (SPG) - St. Petersburg, FL

Project Manager. Doug is leading the effort to provide a new master plan for the Albert Whitted Airport (SPG) in downtown St. Petersburg. Key elements of this study include the need to evaluate the potential to extend and/or shift the primary runway into Tampa Bay; alternatives for facility configuration and phasing based on airport land expansion options; infrastructure resiliency and hardening; and compatibility with the City's Downtown Master Plan.

Master Plan Update

Lakeland Linder International Airport (LAL) - Lakeland, FL

Senior Planner. Doug led the effort to develop a number of sections for the Lakeland Linder International Airport (LAL) master plan update. Specific analyses included documenting the current critical aircraft, developing aviation activity forecast, identifying potential commercial service scenarios, and evaluating the need for a runway extension.

On-Call Aviation Planning Services

Kissimmee Gateway Airport (ISM) - Kissimmee, FL

Project Manager. These on-call planning assignments at the Kissimmee Gateway Airport (ISM) have included two airport layout plan updates, terminal area plans, and annual updates to the joint automated capital improvement program. Doug was the primary planner for evaluating all airport airspace issues, to include expansion of the City's on-airport central services, an on-airport YMCA, and the adjacent Thacker Elementary facilities. He facilitated the Hoagland Boulevard improvements impacting three sides of the airport by facilitating the property, right-of-use, and leasehold changes for Federal Aviation Administration compliance, as well as coordination for the numerous power and light poles installed with the road improvements. Doug also worked continuously with the airport to prevent incompatible land uses from being developed in the surrounding City and County limits.

Florida Department of Transportation Aviation Support Consultant

Florida Department of Transportation Aviation Office - Tallahassee, FL

Project Manager. Doug is the primary point of contact, responsible for all aspects of the work, assigning team resources, and ensuring the quality of services of this 5-year on-call contract with the state. Assignments range from aviation system and strategic planning; aviation operations support; revisions to the Florida Aviation Database (FAD); updates to the Florida Airport Directory and Aeronautical Chart; grant risk assessment; airport zoning compliance for political subdivisions; Advanced Air Mobility (AAM) planning and policy studies; and disaster preparedness. In addition to the ESA staff assigned to the state, Doug also manages a team of nine specialized subconsultants. Responsibilities for each task work order include managing the various contracts, budgets, and schedules, which includes tracking all man-hours and expenses with the state's auditing system.

On-Call Airport Planning Services

Melbourne Orlando International Airport (MLB) - Melbourne, FL

Project Manager. Doug is the primary contact for any on-call airport planning services assigned by the senior Melbourne Orlando International Airport (MLB) management. To date these have included interim airport layout plan updates, Federal Aviation Administration (FAA) coordination of the passenger terminal facilities, FAA coordination for development projects, an evaluation of individual aircraft noise/jet blast impacts, updates to the airport's capital improvement program, grant assistance, and various airspace analyses.

Master Plan

Naples Airport (APF) - Naples, FL

Project Manager. Doug led the effort to provide a new master plan for the Naples Airport (APF). As the last master plan was completed in 1997, this study included an entirely new evaluation of the airport's facilities and their role in the surrounding community. Key components of the study included exploring the future of commercial passenger service, general aviation terminal space, impacts associated with increased floodplain elevations, and the redevelopment of existing facilities. The study also analyzed a number of environmental issues, including sustainability, resiliency, stormwater, and solar feasibility.



JULIE SULLIVAN

Environmental Services

QUALIFICATIONS SUMMARY

Julie has more than 27 years of experience as a regulatory specialist and an FAA Qualified Airport Wildlife Biologist. She has provided the full range of environmental services from planning through design, construction and post-construction compliance for numerous airport projects. Julie is experienced in providing comprehensive National Environmental Policy Act (NEPA), wetland, listed species, mitigation, wildlife, and environmental permitting services. A former regulator, her relationships with state agencies, the Army Corps of Engineers (USACE), and numerous other regulatory agency staff allow her to facilitate expedited project review and approvals for her airport Clients. Julie is actively engaged in the evolving regulatory climate and is heavily involved in ongoing policy updates, agency actions, and rulemaking. She provides regulatory, wildlife, and NEPA services for clients, including the Miami-Dade Aviation Department, Treasure Coast International Airport, Greater Orlando Aviation Authority, and others.

EXPERIENCE

St. Pete-Clearwater International Airport (PIE) - Clearwater, FL

Julie and her team completed the EA for the redevelopment of the former Airco golf course property. As one of the last large undeveloped parcels in Pinellas County, the parcel is a prime location for economic development and both aviation and non-aviation uses. Julie also supported the airport's ESA-led master plan update and provides on-call environmental services to PIE.

Hillsborough County Aviation Authority (HCAA) - Tampa, FL

In support of this General Engineering Consultant (GEC), Julie provides as-needed environmental services in support of four airports in the HCAA system. Current tasks include managing the Wildlife Hazard Management program and Training for Tampa International Airport, facilitating the TPA Wildlife Hazard Working Group, managing the mitigation and nuisance species compliance activities at Tampa Executive Airport, and other as-needed assignments. Currently, Julie is supporting HCAA on a number of capital projects, including the removal of more than 180 acres of forested areas as part of the Authority's wildlife management program.

Greater Orlando Aviation Authority (GOAA) - Orlando, FL

Julie led the NEPA coordination through FDOT District 5 for the extension of Lake Nona Boulevard from Medical City to Boggy Creek Road. This was part of the multi-modal hub being developed at Orlando International Airport, which incorporates rail and other transit options. Julie also provides as-needed environmental services in support of ESA's subcontract with the general consultant for GOAA. Projects include wetland evaluations, NEPA support, listed species reviews, and a variety of other services.

Albert Whitted Airport (SPG) - St. Petersburg, FL

ESA is responsible for environmental support for projects under the general services contract at SPG. Julie provides regulatory permitting, environmental clearances, wildlife hazard management, and "as needed" environmental support for this on-call contract. Julie completed the 12-month WHA at SPG and a feasibility study for a runway extension at the airport. She also assisted in supporting the new airport master plan completed in 2023.

EDUCATION:

MS, Biology, University of Central Florida
BS, Zoology, University of Florida

YEARS EXPERIENCE: 27

CERTIFICATIONS:

National Pollutant Discharge Elimination
System Inspector and Trainer
FAA Qualified Airport Wildlife Biologist

PROFESSIONAL AFFILIATIONS:

Central Florida/Tampa
Bay/Florida/National Associations of
Environmental Professionals
ACI-NA Environmental Affairs and
Operations & Technical Affairs
Committees jointly formed the
NEPA/Project Planning Integration Task
Force (2009-2010)
AAAE Environmental Services Committee
(2009)

JULIE SULLIVAN

Environmental Services

Naples Airport (APF) - Naples, FL

Environmental Lead. Julie supports the airport with on-call and numerous other projects with a myriad of environmental compliance and permitting services. Typical projects include the west quad pond, Taxiway D extension, midfield drainage improvements, and the ESA-led airport MPU. ESA led the recent Part 150 study and serves as an on-call consultant to APF for noise services. ESA was also recently selected as APF's on-call Planning and Environmental consultant.

Lakeland Linder International Airport (LAL) - Lakeland, FL

Julie provides comprehensive environmental support to the prime engineering consultant for LAL, including wetland delineation, permit compliance, mitigation planning and implementation, wildlife hazard assessment and management, listed species services, regulatory coordination, NEPA compliance, and other as-needed support. She has led the implementation, maintenance, and monitoring of a wetland mitigation project, the NEPA compliance EA for a new MRO complex, permitting and compliance for the MRO complex, gopher tortoise relocations, permitting and mitigation strategy, and a variety of other projects. Julie supported the WHA, WHMP and supports the ongoing WHMT at LAL.

Kissimmee Gateway Airport (ISM) - Kissimmee, FL

Julie has conducted an FAA WHA for ISM. This assessment resulted in her preparation of the current Wildlife Management Plan for the airport including helping facilitate the required annual inspection and training.

Melbourne Orlando International Airport (MLB) - Melbourne, FL

Julie provides as-needed environmental support and led the NEPA evaluation (Categorical Exclusion [CatEx] and EAs) for multiple development projects at MLB. Julie also supported the ESA-led master plan update and Part 150 studies for MLB.

Treasure Coast International Airport (FPR) - St. Lucie County, FL

In support of this GEC, Julie leads the environmental services for FPR including permitting, regulatory compliance, stormwater pollution prevention plan (SWPPP) compliance activities, and other as-needed services. She recently completed a comprehensive environmental and planning study for a 400-acre parcel the airport is seeking to develop along the northern boundary of the FPR property.

Flagler Executive Airport (FIN) - Flagler County, FL

Julie and her team secured a binding wetland jurisdictional determination from the St. Johns River Water Management District (SJRWMD) and supported the NEPA EA for the Runway Safety Area Improvements (Runway 6-24) and all permitting and mitigation for the Runway Relocation (11-29) at FIN. She has conducted several additional NEPA compliance actions and reevaluations and is providing permit compliance, GIS mapping, planning support, mitigation planning (including grant support), and wildlife hazard services for the airport under this general services contract. Currently, Julie and her team completed a 12-month WHA for FIN and recently submitted the WHMP to the Orlando Airports District Office (ADO).

Sarasota Bradenton International Airport (SRQ) - Sarasota, FL

Julie led the 12-month WHA and follow-on WHMP update for SRQ. Currently, she is leading the environmental support for the airport-wide master drainage plan update including NEPA compliance through the Orlando ADO and permitting through Southwest Florida Water Management District (SWFWMD) and USACE.

Punta Gorda Airport (PGD) - Charlotte County, FL

Julie is supporting the permitting and mitigation for removal of wetlands across the Air Operations Area (AOA) at PGD. Tasks include wetland delineation, permit strategy, agency coordination, and mitigation planning and support.

Broward County Aviation Department (BCAD) - Broward County, FL

Julie is the contract manager for the Environmental Planning and Acoustical Consulting Services Contract for BCAD. This includes comprehensive environmental planning and regulatory compliance services, acoustical services, environmental site investigation and rehabilitation services, sustainability services, and on-call program management for Ft. Lauderdale-Hollywood International Airport (FLL) and North Perry Airport (HWO).

On-Call Environmental Consultant

Martin County Airport/Witham Field (SUA) - Martin County, FL

As subconsultant on this GEC contract, ESA is responsible for the environmental support for projects at SUA. Julie will serve as lead scientist for regulatory permitting, environmental clearances, and other "as needed" environmental support for projects at the airport. Julie recently completed the Stormwater Pollution Prevention Plan (SWPPP) update and WHA for SUA and is currently supporting a WHMP and training as well as coordinating the update and revisions to the airport's Preserve Area Management Plan.



DANIEL R. RUEL, PE

Geotechnical Engineer

EDUCATION:

B.S., Civil Engineering - University of South Florida

YEARS EXPERIENCE: 11

PROFESSIONAL CREDENTIALS:

Florida Professional Engineer, No. 82404

QUALIFICATIONS SUMMARY

Mr. Ruel has over 11 years of experience in Geotechnical and Structural Engineering and has worked on a variety of infrastructure projects, including roadways and bridges, aviation facilities, water, waste water, and private developments.

He has worked on projects for numerous municipalities and state agencies. Through these projects, Mr. Ruel has analyzed slope stability, settlement, deep foundation design (drilled shafts and driven piles), shallow foundation design, laboratory testing and research, and forensic geotechnical investigations.

EXPERIENCE

Taxiway B Rehabilitation

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

The project included the reconstruction of approximately 5,000 linear feet of Taxiway B. The reconstruction included Full Depth Reclamation consisting of a 6-inch base (reclaimed asphalt pavement and base materials) and a 2-inch asphalt overlay. Tierra performed 19 pavement cores and 24 auger borings along Taxiway B. Two (2) CBR tests were collected, samples were classified in Tierra's in-house laboratory, and geotechnical engineering recommendations were provided to support the design and construction.

Taxiway C and Connector

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

The project primarily consisted of rehabilitating Runway 9-27, extending Runway 9-27, rehabilitating Taxiway C9, and designing a connector taxiway. Tierra provided geotechnical support for the Taxiway C9 and the proposed connector through a Ground Penetrating Radar (GPR) survey in an effort to identify potential buried debris, utility conflicts, and/or potential karst features.

Runway 9-27 Extension

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

Originally constructed in 1942, Runway 9-27 consisted of 8 inches of concrete over sand and silt soils. Based on FDOT's 2017 Pavement Management Program, Runway 9-27 had a PCI rating of 44 to 55 and was considered in poor condition. This project will transform Runway 9-27, a 7,000-foot x 150-foot runway, from concrete to asphalt and position it for a 1,000-foot extension. Tierra provided support services for the geotechnical and geophysical evaluation of the Runway to provide recommendations on the pavement design. Tierra performed a Ground Penetrating Survey (GPR) along the length and width of the proposed Runway 9-27 extension to aid in the characterization of the subsurface conditions present in the area.

Apron and Access Road

Brooksville-Tampa Bay Regional Airport (BKV) - Brooksville, FL

The project involved the construction of an aircraft parking apron and an access road to a new fueling facility, covering approximately 11,000 square yards. Tierra performed geotechnical services for the proposed apron and access road, including SPT and hand auger borings and California Bearing Ratio (CBR) tests.

DANIEL R. RUEL, PE

Geotechnical Engineer

Taxiway Bravo Rehabilitation

Sarasota Bradenton International Airport (SRQ) - Sarasota, FL

The project involved rehabilitating Taxiway Bravo. Tierra's services included twenty-eight (28) pavement cores, three (3) SPT borings, and the collection of two (2) bulk samples for California Bearing Ratio (CBR) testing to support the design.

Taxiway A Rehabilitation Phase 1

St. Pete-Clearwater International Airport (PIE) - Clearwater, FL

The project consisted of providing geotechnical services to support improvements for the Taxiway A rehabilitation/reconstruction project. Taxiways L and M were to be reconstructed, and Taxiway A was to be rehabilitated. Additionally, an apron area was being evaluated along with the project. The geotechnical services consisted primarily of asphalt pavement cores, borings, and laboratory testing to support the design.

Taxiway Rehabilitation Phase 2

St. Pete-Clearwater International Airport (PIE) - Clearwater, FL

The project consisted of providing geotechnical services to support improvements associated with Phase 2 of the Taxiway Rehabilitation project, which included the rehabilitation of Taxiways B, C, F, and K. Additionally, the existing pond on the northeast portion of the project was proposed to be expanded to accommodate the stormwater because of the improvements. Tierra executed a program of subsurface exploration consisting of pavement cores, borings, subsurface sampling, and laboratory testing.

Rehabilitation of Runway 18-36

Wauchula Municipal Airport (CHN) - Wauchula, FL

The project consisted of rehabilitating Runway 18-36 as well as the existing ponds north and south of the runway for expansion. The runway was planned to be milled and resurfaced. Tierra conducted a program of subsurface exploration consisting of auger and SPT borings, sampling, and field and laboratory testing. Geotechnical engineering recommendations were provided to assist in the rehabilitation.

North Quad Access Roadway

Sarasota Bradenton International Airport (SRQ) - Sarasota, FL

The project consisted of the construction of a new North Quad Roadway to connect with the existing Clyde Jones Road. Portions of the project included milling and resurfacing as well as reconstruction in the area of the proposed tie-in. Tierra's services included nine (9) SPT borings and eight (8) hand auger borings in the area of the proposed north quad roadway and one (1) SPT boring in a potential drainage improvement area. Additionally, four (4) CBR tests were performed on selected samples within the project area. Laboratory testing was conducted, and geotechnical engineering recommendations were provided to support the design team.

Runway 9-27 Lighting and Other Facilities Improvements

Lakeland Linder International Airport (LAL) - Lakeland, FL

The project consists of improvements to the existing Runway 9-27 lighting, the air traffic control tower, and a future glide slope location. Tierra provided geotechnical support through pavement cores, Standard Penetration Test (SPT) borings, hand auger borings, and laboratory testing.

Taxiway A and Bridge

Tampa International Airport (TPA) - Tampa, FL

The project consisted of designing and building a new taxiway (Taxiway A) with an associated three-span bridge located to the north of and parallel to the existing Taxiway B Bridge. Tierra's services included subsurface investigations (SPTs, hand augers, and pavement cores), laboratory testing, and associated geotechnical recommendations to support the design.

Runway 4-22, Taxiway, and Apron Pavement Rehabilitation

Peter O. Knight Airport (TPF) - Tampa, FL

The project consisted of performing geotechnical services to support the reconstruction of Runway 4-22 as well as the rehabilitation of Taxiways A, C & E, T-Hangar Taxilanes, and apron areas. The improvements consisted of Full Depth Reclamation throughout the project limits. Tierra executed a program of subsurface exploration consisting of asphalt pavement cores, auger borings, and subsurface sampling. Three (3) Limerock Bearing Ratio (LBR) tests were conducted on collected samples. Laboratory testing was performed to identify the soil conditions at each boring location, and geotechnical engineering recommendations were provided to assist the design.



JOSEPH CALAMARI, PWS

Site Environmental Evaluation

QUALIFICATIONS SUMMARY

Mr. Calamari has over 34 years of environmental experience and serves as the Environmental Division Director at COASTAL. Prior to coming to COASTAL, Joe was employed by the Southwest Florida Water Management District, where he gained a wide range of experience conducting inspections and evaluations of wetlands, wetland creation areas, and surface water management systems. He was also tasked with reviewing Environmental Resource Permits (ERP) and Water Use Permits (WUP). At COASTAL, he is tasked with managing the environmental division and performing tasks associated with wetland delineations, characterizations, UMAM assessments, State and Federal permitting, habitat/land cover/vegetative mapping, threatened/endangered listed species surveys, assessment and permitting, management plan development, mitigation design and implementation, habitat restoration, monitoring, water quality, erosion control, and ecological monitoring. Joe also prepares work proposals, manages the Division's budget, and meets with and updates clients.

EXPERIENCE

Future Taxiway C Stormwater Pond Modifications

Senior Environmental Scientist for Gopher Tortoise Services. Performed Wildlife Survey, Gopher Tortoise Burrow Location Mapping and Permitting. Also performed a listed plant and wildlife species survey in accordance with State and Federal survey methodologies identifying all listed plant and wildlife species within the project area. He obtained GPS coordinates of each gopher tortoise burrow within and adjacent to the proposed project area.

Zephyrhills Airport Runway 1-19 Extension

Senior Environmental Scientist and Project Manager for Gopher Tortoise Relocation. Permit and relocated gopher tortoises from the Zephyrhills Airport per FWC regulations.

BTBRA/Telcom & Technology Dr. Roadway Extension

Senior Environmental Scientist for Biotic Evaluation. Performed a gopher tortoise burrow survey, applied for an offsite relocation permit, and removed all gopher tortoises from the project site.

Inverness Airport-Industrial Site Development

Senior Environmental Scientist for Biotic Evaluation. Performed a pedestrian survey of the subject property to determine general plant and/or animal distributions and to identify protected plant and/or animal species under applicable jurisdictions and mitigation options available to the Client.

BKV FBO Facility

Senior Environmental Scientist and Project Manager for Environmental Site Review. Conducted a site visit of the project area and prepared a brief environmental summary report identifying & discussing any environmental issues (i.e., protected species, wetlands, floodplain, karst features, etc.)

Flight Path Aviation - Parcel Key No. 1354493, Tract A on Parcel 31.2

Senior Environmental Scientist for Biotic Evaluation. Performed a pedestrian survey of the subject property to determine general plant and/or animal distributions and to identify protected plant and/or animal species under applicable jurisdictions and mitigation options available to the Client.

EDUCATION:

B.S., Environmental Science -
St. Leo University
AAS Petroleum Engineering Technology -
Florida Institute of Technology

YEARS EXPERIENCE: 34

PROFESSIONAL CERTIFICATIONS:

FDOT Certified Stormwater, Erosion, and
Sediment Control Inspector

Authorized Gopher Tortoise Agent -
GTA 11-00029

AREAS OF SPECIALIZATION:

- ♦ Project Management
- ♦ Environmental Site Assessments
- ♦ Wetland Jurisdictional Line Determinations
- ♦ Wildlife Evaluations
- ♦ Protected Species Permitting
- ♦ Protected Tree Surveys
- ♦ NPDES Permitting
- ♦ Environmental Due Diligence



SCOTT M. OSBORNE, PSM

Surveyor

QUALIFICATIONS SUMMARY

Scott is the Senior Survey Manager for Coastal Engineering Associates, Inc. Scott has over 38 years of experience in a variety of land surveying projects.

- ◆ Project Management
- ◆ Right-of-Way Surveys
- ◆ Maintained Right-of-Way Surveys
- ◆ Field Construction Layout
- ◆ ALTA Boundary Surveys
- ◆ Boundary and Topographical Surveys
- ◆ Metes and Bounds
- ◆ Section Breakdown Surveys
- ◆ Record Drawing Surveys
- ◆ Platting
- ◆ Right-of-Way Surveys
- ◆ Flood Certifications
- ◆ Construction Staking-Commercial & Residential applications

EDUCATION:

Pasco Hernando State College -
 Surveying Certification

YEARS EXPERIENCE: 38

PROFESSIONAL CERTIFICATIONS:

Professional Surveying and Mapping -
 #LS6028, FL

AREAS OF SPECIALIZATION:

- ◆ Project Management
- ◆ Surveying & Mapping
- ◆ Platting
- ◆ Construction Staking
- ◆ Flood Certifications

EXPERIENCE

Wilfong Center for Success | Hernando County

Surveyor of Record for design survey and construction layout. Prepared topographic and tree surveys for the project in accordance with the County's current procedures. The survey services will comply with pertinent Florida statutes and applicable rules in the Florida Administrative Code.

Taxiway A Rehab | Hernando County

Surveyor of Record for the BKV Pond construction staking and as-built Survey.

Flight Path Aviation - Parcel Key No. 1354493, Tract A on Parcel 31.2

Surveyor of Record for the boundary, topographic design, and tree location survey. Scott prepared a sketch and description of the parcel to define the parcel of land to be used as a lease boundary.

Parcel 31.24

Surveyor of Record for design survey.

Sinkhole Site South of Parcel 3.2 National Guard

Surveyor of Record for as-built survey and construction layout.

Jet I.C.U. Site

Surveyor of Record for design survey.

Runway 9-27 New P.A.P.I. System

Surveyor of Record for as-built survey and construction layout.

Approach to Meeting the County's Needs

THE COUNTY'S NEEDS:

Hernando County, named after the Spanish explorer Hernando de Soto, has grown significantly and consistently over the last decade. Its "accessibility, availability, and affordability" make it an ideal destination for businesses and families to grow. With space to expand, the 2400-acre property of Brooksville-Tampa Bay Regional Airport (BKV) is at the forefront of this growth.

Due to its proximity to the Tampa Bay area and planned developments within the region, BKV has become a main attraction for aeronautical and non-aeronautical businesses. In recent years, BKV has made critical improvements to its airfield, as well as expansions and developments within the commercial and industrial park. The Airport rehabilitated the primary Runway 9-27 and parallel Taxiway A and the connector taxiways, upgraded airfield lighting, signage, and navigational systems, improved safety by decoupling the two runways and clearing the Safety Areas, and rehabilitating Taxiway B and the connector taxiways. Other upcoming airfield improvements include the extension of Runway 3-21 to the south to maintain a 5,000-ft runway and the conversion of the abandoned runway on the west side of the airfield to an active taxiway, which will open up additional parcels for development.



MDG and our staff are proud to have been involved with nearly all of these airfield improvements at BKV.

To continue supporting the growth of the County, the Airport has several future improvements planned. To assist with implementing these plans, the County is requesting a consultant to provide full-service engineering and architectural consulting services. The selected consultant will be required to assist with Capital Improvement Program (CIP) projects, provide design and construction services, and adhere to the County's Disadvantaged Business Enterprise (DBE) goals for each project or assignment. Anticipated projects include runway and taxiway rehabilitation and extension, airfield access control and security upgrades, wildlife hazard mitigation and wildlife fencing, drainage improvements, and updating the Airport Layout Plan. Each project or assignment may require a different scope of service based on the nature of the project and the deliverable. Additional tasks include assisting with the Airport's multi-year CIP, preparing FAA grant pre-applications, applications, quarterly reports, and conceptual planning and design for future projects. **More importantly, the consultant must also be readily accessible to BKV and provide an immediate response to requests and questions.**

HOW MDG WILL MEET THOSE NEEDS:

Vast Knowledge of the Airport:

MDG's Project Manager and other MDG personnel are currently working with the County at BKV and have done so for over two decades. We have unmatched knowledge of airport operations, local regulations, and permitting requirements. This experience will provide continuity and seamless integration into the role of On-Call Consulting. More importantly, our partnership has resulted in many successful projects. A legacy that we want to continue.

Commitment to Client Service:

When it comes to client service, MDG prioritizes common sense over "standard operating procedure." We understand that each project and client has unique circumstances and deserves a unique and personal approach. Upon reviewing our Letters of Reference included in this Statement of Qualifications, you will find that our team has an excellent reputation within the aviation industry for providing the best client service.

Ability to Meet DBE Goals:

As a Minority Business Enterprise (MBE), we value the importance of diversity and supporting small businesses. To ensure that we meet the County's DBE participation goal, we have added The Ohmega Group, Quantum Electrical Engineering, and DPS Corp. to our team of subconsultants. In addition, our Project Manager, Mohsen Mohammadi, will be monitoring DBE participation and, if necessary, will seek out qualified firms to supplement the team and meet the County's goals.

Experience with Similar Projects:

Our team has served on over 20 Continuing Engineering Services contracts. Our comprehensive experience, spanning over decades, positions MDG as a leader in our field, capable of handling complex projects with precision and innovation.

Availability and Accessibility:

At MDG, we want our clients to feel supported and valued every step of the way. We have assembled a team that is available and ready to assist the County immediately. We commit to working hand in hand with the County and BKV staff to help achieve their goals.

Relationships with Funding Agencies:

Mohsen has worked for over two decades with FAA and FDOT, assisting clients with programming, funding, and grant compliance. He has an excellent relationship with FAA and FDOT Program Managers, Jennifer Ganley and Ray Clark, respectively, and has worked with them on multiple projects at BKV.



Value Engineering/Cost Control

Adherence to the established budget is critical in determining a project's success. The MDG team will proactively seek ways to reduce project costs, including value engineering at every phase of design and construction. We will take the necessary steps to verify all work is accomplished within the scope parameters, maximizing efficiency and limiting costly redesigns.

Scope Definition

The first step in developing a fee proposal is to establish a clear and detailed scope of work for a project. As necessary, Mohsen and other team members will meet with the County to discuss the detailed scope of work and the schedule for deliverables. Once approved, this scope will be the basis for preparing a fee for the proposal. The scope will include detailed information on each phase, including the schedule and the required submittals.

Projects typically consist of several phases during design, including the Planning and Conceptual Design, Preliminary Design (30%), Design Development (60%), Construction Documents (90%), and Bid Documents (100%). MDG will provide a detailed scope of work for a project's bidding and award phase in addition to the construction phase, which will include Construction Administration, Resident Project Representative Services, and Quality Assurance Testing.

Fee Preparation

MDG will prepare the labor-hour breakdown for the tasks in each phase. The level of detail we include will help the County review every element of work and the proposed hours for each team member. Our estimate will be based on several factors, including the detailed scope of work and the approved project schedule. Using a percentage of construction to determine the fees is a helpful tool. However, it may not reflect the level of effort involved, especially when the scope includes special services in addition to basic services.

Budget Monitoring

Monitoring the budget during the design is relatively straightforward when a good understanding of the scope, fees, and schedule exists. Mohsen will review timesheets weekly and compare the percentage of hours spent to the level of work completed. He will also ensure an adequate workforce is assigned to each task to keep a project on schedule. A direct correlation exists between adhering to the schedule and staying within budget.

Mohsen will provide a report to the County during the design progress meetings. The report will detail the percentage of work completed, the portion of fees spent, and a schedule of milestones. Mohsen will also compare the estimated work remaining with the budget left for each project task. Continuous communication between our team and the County will ensure that the budget will be maintained and, more importantly, less than initially negotiated.

Value Engineering

Based on our recent experience with bids at the Airport and the Tampa Bay area, we anticipate construction costs will remain the same or increase over time. Our team constantly evaluates ways to reduce construction costs by considering different design and construction alternatives. A good example was Mohsen's involvement with value engineering for Taxiway A and Runway 9-27 rehabilitations, which saved millions of dollars and resulted in securing sufficient FAA funding to complete the projects. We can also consider a bid package that includes base and alternate bids to maximize funding availability. As the design of a project progresses, we will continue evaluating possible design alternatives to further reduce construction costs.

Preparing Estimates

As mentioned above, to ensure a project's budget is controlled throughout the programming and design process, MDG will update the costs at each submittal phase and inform the Airport of any potential cost increases early in the process. This will help the Airport coordinate early with the funding agencies for any additional required funding or modify the scope of work to ensure a portion of the project is constructed with the available funding. We will monitor the construction industry and update unit prices based on recently completed projects at BKV or nearby airports and use FDOT's recent pricing index to validate costs. MDG staff have worked with multiple contractors at BKV and other airports and can coordinate with them to verify costs and schedules during the design. This level of proactiveness has helped keep cost estimates up to date and realistic to prevent any surprises during the bidding process and to help identify and secure additional funding if necessary.

MDG takes the following steps to estimate project costs and ensure cost controls are safeguarded adequately:

- ◆ Engage Airport personnel to identify needs, potential challenges, and desired outcomes.
- ◆ Involve experienced and qualified staff.
- ◆ Coordinate with regulatory agencies and departments at the Airport.
- ◆ Review prior bids to establish a baseline.
- ◆ Thoroughly review existing record documentation.
- ◆ Conduct field verification of existing conditions.
- ◆ Determine any supply chain or labor shortages.
- ◆ Confirm local market conditions and pricing for asphalt, aggregate, and other necessary construction materials.
- ◆ Ensure accurate quantities have been established and independently reviewed.
- ◆ Consider the potential number of qualified bidders and how long the bids must remain open.
- ◆ Account for the complexity of the project's phasing.

Schedule Maintenance Methodology

The following briefly describes our approach to managing the required work and meeting an established schedule from initial field investigations to final project closeout.

Due-Diligence, Planning, and Conceptual Design

During this project phase, our team will review the project scope and evaluate multiple design alternatives, as necessary, to provide the most efficient and cost-effective plan for projects. We will review the CIP, validate the cost estimates and schedules, and assist BKV with preparing applications for any funding necessary to complete these projects. Other services that may be included in this phase will be the following:



Environmental Site Assessment. We will visit the site to address any environmental impact on these projects. For example, on new construction, we may encounter protected species, floodplains, and wetlands that must be mitigated. We will work closely with the FAA to determine the NEPA process and whether the projects fall under a CATEX or may require an Environmental Assessment.



Site Planning. Site planning may be required for specific projects to ensure that the project's construction is consistent with the overall Master Plan for the Airport. For example, regarding apron and taxiway expansions, we must verify that the project meets all the airspace and separation requirements to maximize the use of the new facilities. This initial planning and verification will ensure that the projects will be consistent with the future development plans at BKV.



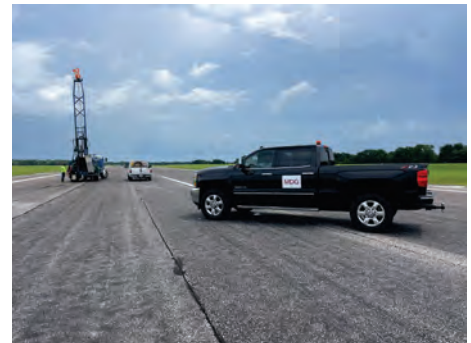
Stormwater Evaluation. The Airport has recently completed a Stormwater Master Plan that addresses most of the developments included in the overall Airport Master Plan. Our team will work closely with the Airport to address any stormwater requirements early on and assess the extent of permitting required through Southwest Florida Water Management District and Hernando County.



Funding. In this phase, our team will validate the project costs and determine if additional funding may be necessary. As material costs rise and the supply chain continues to be constrained, current funds identified in the CIP may not be sufficient to complete the planned projects. Our team will work with the Airport, FDOT, and the FAA to evaluate funding cycles and availability and update the CIP accordingly. Our team has extensive knowledge of the grant process and grant compliance on Federal and State funded projects. MDG has in-house capabilities to prepare grants and monitor for grant compliance throughout the design and construction of projects if requested by the County. We have recently worked with many clients to utilize their Bipartisan Infrastructure Law (BIL) funding for their eligible and safety-critical projects. We have also assisted clients in pursuing and receiving additional BIL funding for Airport Terminals.

Preliminary design - 30% Concepts

During this project phase, our team will complete all the fieldwork, including surveys, subsurface utility engineering, and geotechnical investigations. We will prepare preliminary drawings and the associated cost estimates. We will meet with the Airport to discuss the design, costs, and project schedule and make any adjustments before preparing the contract documents. Our team will investigate the County's permitting requirements for site development and buildings. Many protected species, including gopher tortoises, call BKV their home. Coordinating early with FWC to relocate them before construction will be necessary. #



Contract Documents - 60% Design

This phase entails continuing the design of project elements such as pavement design, stormwater design, facilities design, and construction phasing. If federal funding is used, the FAA will require a Construction Safety and Phasing Plan (CSPP) for airside projects. Therefore, for these projects, our team will prepare a CSPP at the end of this phase for submission to the FAA via the OE/AAA web portal, along with the airspace evaluation (7460s).

In addition, we will coordinate with the Airport and Air Traffic Control to begin the Safety Risk Management (SRM) process for all airfield-related projects. Initially, the construction plans and the CSPP would be submitted to Air Traffic Control to coordinate the level of SRM process required for each project. Our team has experience participating in the SRM panels, including the Air Traffic Control Tower at BKV. We can assist with this process and provide all the documentation necessary to evaluate potential risks to air traffic and the proposed mitigations.

Risk Assessment Matrix					
Likelihood		Severity			
		Catastrophic	Critical	Marginal	Negligible
Probable	High	High	Serious	Low	
Occasional	High	Serious	Medium	Low	
Remote	Serious	Medium	Low	Low	
Improbable	Low	Low	Low	Low	

Contract Documents - 90% Design

During the 90% design phase, our team will complete the design and prepare 90% level construction plans and technical specifications. We will assist with preparing the bidding documents, including a bidding schedule, bid forms, and other required documents. We will also complete the final cost estimate and coordinate with the Airport on any value engineering needed to keep the project within budget. Permitting through the County would be initiated for either site development or building.



Bid Documents - 100% Design

Once the final review comments are received, our team will compile all the bid documents, including plans, specifications, geotechnical investigation report, bid schedule, and other general and special provisions required, and submit them to the authority for advertising the project for bids. Once bids are opened, MDG will assist the Airport in submitting grant applications to the FAA and update the JACIP as necessary to help FDOT with programming all the required funding for construction.

Construction Administration

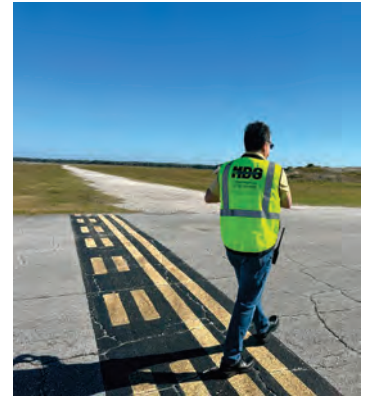
To maintain a smooth transition between design and construction, our team will ensure that the Project Manager or engineer and our designated construction personnel stay involved with the construction activities. We will assign a Construction Manager and a project control person to monitor and document all activities throughout construction proactively. These activities include, but are not limited to, the following:

- a. **Prior to Notice-to-Proceed:** Before construction on any project, a member of our team will be assigned to provide oversight and ensure proper execution of the design plans. We will conduct a pre-construction conference before issuing a notice to proceed to the contractor. The Airport, the contractor, the design team, and any other invested stakeholders will be invited to attend. This meeting will review the project scope according to the design plans, discuss the construction schedule, phasing, and safety requirements, and examine the grant obligations.
- b. **After Notice-to-Proceed:** Once construction begins, it is critical to ensure construction activities follow the contract documents, specifically scope, cost, and schedule. Proper documentation is vital. The construction management team will manage the project's record keeping, financial and schedule details, and coordination with interested stakeholders and other parties. This includes maintaining a record of all communications, submittals, responses to Requests for Information (RFIs), change orders, pay requests, construction meetings, and other construction management tasks. Coordination between the Airport, the contractor, the design team, and the construction manager must be accurately documented. As the Project Manager, Mohsen will work closely with Karla Dowd, our Construction Manager, throughout this process to ensure that our team quickly addresses any construction-related items to keep the project on schedule.
- c. **FAA Compliance:** If FAA funding is used on any of these projects, the contractor must meet all grant compliance via data reporting obligations during construction. To ensure these obligations are met for the duration of the project, MDG has assigned Alicia Vanderpool to handle this task. She will collect and review the contractor's DBE Participation reports, Monthly Pay Applications, Weekly Certified Payrolls, Subcontractor Payment Certifications, compliance with the Buy American Clause, E-Verify documentation, Davis-Bacon wage interviews, and other grant assurances required when accepting FAA funding.



Full-time On-Site Inspections

For each project, as the Airport requires, MDG will assign a full-time Resident Project Representative (RPR) to observe construction activities daily. Jackie Curry is one of our RPRs assigned to this Contract. She has worked with Mohsen on numerous airport projects, including several projects at BKV, and will bring years of experience in inspections and materials testing to the projects. The RPR will be involved with the following tasks throughout the project:



- ◆ Prepare daily logs of the contractor's activities and progress.
- ◆ Use daily photos and videos to document site conditions.
- ◆ Assist the construction manager in keeping track of RFI's and submittals.
- ◆ Review and verify quantities and progress payments.
- ◆ Coordinate quality assurance testing activities with the contractor's quality control process.
- ◆ Assist the construction manager in monitoring the project schedule and budget.
- ◆ Attend all construction progress meetings and prepare agendas and meeting minutes.
- ◆ Inform Airport Operations and the construction manager of any safety and security concerns.
- ◆ Perform Davis Bacon wage interviews, if required.
- ◆ Attend and document punch list inspection and final acceptance site visits.
- ◆ Assist the construction manager in project closeout and compile final documentation such as record drawings, warranty manuals, and testing results.

A competent and proactive RPR on site would help ensure a successful project is completed on schedule and within budget. MDG will assign experienced on-site inspectors, such as Jackie, with extensive experience in facilities construction and airfield pavements, as required under this Contract.

Quality Control Methodology

The MDG approach to quality requires understanding a project's priorities and a solid commitment by all team members to quality control. For any project or task, MDG promises to deliver a quality product that exceeds the expectations of the County. At a minimum, technical accuracy, budget, and schedule adherence are the leading indicators of the success of a project. The diligent program at MDG goes beyond just that. It is a culture that our personnel commit to daily, from our project managers and engineers to our CAD designers and administrative personnel.

The Quality Review process at MDG begins with the individual who prepares a document or a set of plans. This individual is responsible for reviewing their work before releasing it for review by others. Designers check each other's work before submission to the engineer. The engineer's review is essential in ensuring the documents meet the design scope of work and budget. With this process, a document or set of plans is reviewed and edited multiple times before the Independent Quality Reviewer begins their review. The aforementioned process will be followed throughout this Contract, ensuring projects are designed accurately, estimated cost within budget, and with a realistic construction schedule.

Our general approach is to assign the appropriate subject matter expert for technical consultation and to perform independent quality control reviews of all project deliverables. Deliverables include plans, project manuals, technical specifications, reports, and cost estimates. In assembling our team, we identified quality control as a specific role and position on the organizational chart. Karla Dowd will lead our QC efforts for constructability, phasing, and schedules. She has over 30 years of experience in construction and the aviation industry. Karla brings a wealth of knowledge and expertise in delivering successful projects regardless of size and complexity. She will also work outside the design team, independently reviewing project deliverables.

The ultimate responsibility for Quality Control (QC) rests with Mohsen, our designated Project Manager and Principal in Charge. Mohsen has worked with Airport staff for over 24 years and understands the high standards of quality and vision for the future of the Airport.

4.0

SIMILAR EXPERIENCE AND REFERENCES

The MDG team has served over 20 clients on Continuing Engineering Services contracts. Our team has provided planning, design, and construction services for countless airside and landside projects at commercial and general aviation airports. We have a wealth of experience, not only in providing consulting services but also in completing projects similar to those anticipated at BKV.

At MDG, we assist our clients with services that our competitors simply do not. These services include assistance in planning Capital Improvements Projects, updating the JACIP, coordinating with the FAA and FDOT on funding availability, preparing Pre-Applications and Grant Applications, ensuring grant compliance during construction, and closing out projects and grants on time.

The following pages highlight our team’s extensive experience and success on projects of similar scope and complexity to those listed in the County’s Request for Qualifications.

AIRPORT CONTINUING ENGINEERING SERVICES EXPERIENCE IN FLORIDA	
<ul style="list-style-type: none"> Venice Municipal Airport Zephyrhills Municipal Airport Albert Whitted Airport Brooksville-Tampa Bay Regional Airport Citrus County (2 Airports) Henry E. Rohlsen Airport Sebastian Municipal Airport 	<ul style="list-style-type: none"> St. Pete-Clearwater International Airport Daytona Beach International Airport Palm Beach County Department of Airports (4 Airports) Okaloosa County Airports (3 Airports) Jacksonville Aviation Authority (3 Airports) Tallahassee Regional Airport

ANTICIPATED PROJECTS AT BKV	Venice Municipal Airport	Zephyrhills Municipal Airport	Albert Whitted Airport	Crystal River Airport	Jacksonville International Airport	Plant City Airport	Peter O. Knight Airport	Miami International Airport	Palm Beach International Airport	Atlantic City International Airport	North Palm Beach General Aviation Airport	Henry E. Rohlsen Airport
Airfield Access Control & Security Upgrade	X											X
Wildlife Hazard Mitigation	X	X	X	X								
Airfield Wildlife Fencing	X		X		X							X
ALP Update	X	X	X									X
Flight Path Drainage Improvements	X	X	X	X	X			X	X	X	X	
Taxiway B Rejuvenation	X	X	X	X		X	X					X
FBO Apron Rehabilitation	X	X	X	X		X	X	X	X	X		X
Taxiway D Rehabilitation	X	X	X	X		X	X	X	X		X	X
Taxiway C Reconstruction & Design	X	X	X	X		X	X	X	X		X	X
Runway 9-27 Extension - Construction	X	X		X							X	X
Taxiway A Extension	X	X		X		X					X	

Experience at Brooksville-Tampa Bay Regional Airport

The team at MDG has worked on various airside and landside projects at BKV for over two decades. During that time, we truly became an extension of the County and the Airport. We have worked with the Airport to help prioritize improvements based on available FAA and FDOT funding. During construction, our on-site representatives have proven to be proactive and solution-focused, minimizing delays and change orders. Our partnership with Hernando County and BKV has resulted in many successful projects as demonstrated below.

RUNWAY 9-27 REHABILITATION



Mohsen was the Engineer of Record and served as the Project Manager for this project. Other MDG personnel held critical roles in providing airport planning services, geotechnical engineering, Resident Project Representative services, SWFWMD permitting, and CAD design.

Runway 9-27 was rehabilitated by milling two inches of the existing concrete and overlaying it with 5 ½ inches of asphalt. The runway is 7,000 feet long by 150 feet wide. This procedure for the pavement design reduced the construction cost by 50%, making the project feasible and fundable. Taxiway Connector C9 was also rehabilitated by milling two inches of the existing concrete and overlaying it with four inches of asphalt. Other elements of this project included the relocation of the windsock at Runway 9 end, relocation of Runway 9L localizer, regrading of the Runway Safety Area (RSA), removal of obstructions within the Runway Object Free Area (ROFA) and Primary Surface, construction of a new asphalt paved service road to the Glideslope Antenna, runway pavement grooving, and installation of pavement markings.

TAXIWAY A REHABILITATION



Mohsen was the Engineer of Record and served as the Project Manager for this project. Other MDG personnel held critical roles in providing airport planning services, geotechnical engineering, Resident Project Representative services, and CAD design.

The rehabilitation of Taxiway A consisted of milling the existing eight inches of concrete by 1 ½ inches to remove defects and replacing it with an asphalt leveling course before placing three inches of new asphalt surface course. A thorough geotechnical investigation revealed several underground anomalies adjacent to the Taxiway. Low-impact demolition and construction methods were required to avoid disruption of these anomalies. This project also included the rehabilitation of all the taxiway connectors and the construction of new Taxiway A5.

OTHER PROJECTS COMPLETED AT BKV IN WHICH MDG PERSONNEL HELD CRITICAL ROLES:

- ♦ Taxiway B Rehabilitation
- ♦ Runway 9-27 Extension
- ♦ Runway 3-21 Decoupling and Localizer
- ♦ Runway 9 MALSR Upgrade
- ♦ Helicopter Drive Extension
- ♦ Airport Zoning Ordinance Update
- ♦ New Air Traffic Control Tower
- ♦ Self-Service Fuel Farm and Apron Design
- ♦ Maintenance Hangar, Apron, and Parking Lot Development
- ♦ DBE Program Updates (2 most recent)
- ♦ Airport Emergency Plan Update
- ♦ Stormwater Pollution Prevention Plan (SWPPP)
- ♦ Airfield Signage Improvements - Construction Administration

GENERAL CONSULTING AND PLANNING SERVICES*

Venice Municipal Airport (VNC)



OWNER:

City of Venice, Florida

CONTACT:

Mark Cervasio, Airport Director
(941) 486-2711

DATES:

2010 - Current

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., PE - Project Manager
Nabil Hmeidi, P.E. - Geotechnical Engineer
Timeka Carter - Planning
Karla Dowd - QC & Construction Services
Marisela Hernandez - Permitting
Dan Wolcott, Yan Yang, & Ahmad Farahbakhsh - Civil Design

RELEVANCE TO SCOPE:

Airport Consulting Services
Civil engineering
Key personnel collaboration
Local permitting
Environmental Studies
FAA/FDOT coordination
Grant assistance & compliance
Airport planning
Architectural/MEP services
Stormwater/drainage improvements
Geotechnical services
Construction management
Construction Administration
Resident Project Representative/Inspections

Since 2010, Mohsen Mohammadi, Ph.D., P.E., and key MDG staff held critical roles as part of a General Consulting & Planning Services contract at Venice Municipal Airport. Mohsen served as the Project Manager, Engineer of Record, or Principal in Charge of multiple projects completed at the Airport. He and the proposed MDG key personnel have provided services to the Airport, including civil design, geotechnical services, planning and airspace analysis, grant applications and compliance, construction administration, construction management, and resident project representative (RPR) services.

MDG currently serves as a subconsultant on the Airport's existing on-call contract, providing professional engineering services for the construction of a new terminal, Master Plan update, and security improvement projects.

PROJECTS COMPLETED:

- ♦ Runway 5-23 and Taxiways Seal Coating
- ♦ New Taxiway D Construction
- ♦ New Taxiway E Construction
- ♦ Runway 5-23 Reconstruction, Runway Safety Area and Object Free Area Improvements, and Taxiway E Realignment
- ♦ Taxiway E Extension
- ♦ Taxiways A and C Reconstruction
- ♦ Runway 13-31 Rehabilitation and Taxiway D Reconstruction
- ♦ Runway 31 EMAS Construction
- ♦ Apron Reconstruction
- ♦ Shade Hangar Rehabilitation
- ♦ T-Hangar Design and Taxilane Construction
- ♦ Airport Planning
- ♦ Floodplain Study and Stormwater Master Plan Update
- ♦ DBE Program Update

*Mohsen Mohammadi and MDG staff were key personnel in these representative projects while working with another firm.

GENERAL ENGINEERING CONTRACT*

Albert Whitted Airport (SPG)



OWNER:

City of St. Petersburg, Florida

CONTACT:

Richard Lesniak, Airport Manager
(727) 893-7657

DATES:

2000-2022

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., PE - Project Manager
Nabil Hmeidi, P.E. - Geotechnical Engineer
Timeka Carter - Planning
Karla Dowd - QC & Construction Services
Marisela Hernandez - Permitting
Dan Wolcott, Yan Yang, & Ahmad Farahbakhsh - Civil Design
Alicia Vanderpool - Grant Compliance

RELEVANCE TO SCOPE:

Airport Consulting Services
Civil engineering
Key personnel collaboration
Local permitting
Environmental Studies
FAA/FDOT coordination
Grant assistance & compliance
Airport planning
Architectural/MEP services
Stormwater/drainage improvements
Geotechnical services
Construction management
Construction Administration
Resident Project Representative/Inspections

Mohsen Mohammadi, Ph.D., P.E., has been the Project Manager, Engineer of Record, or Principal in Charge of multiple projects completed at Albert Whitted Airport (SPG) since 2000 as part of a General Engineering Contract. He and the proposed MDG key personnel have provided services to the Airport, including civil design, geotechnical services, planning and airspace analysis, grant applications and compliance, construction administration, construction management, and Resident Project Representative (RPR) services.

PROJECTS COMPLETED:

- ♦ Runway 7-25 and Connector Taxiway Rehabilitation
- ♦ Runway 18-36 Rehabilitation
- ♦ Taxiway C Rehabilitation
- ♦ Tie-Down Aprons
- ♦ T- Hangar and Taxilane Design
- ♦ Southwest Hangar Redevelopment
- ♦ Stormwater Master Plan
- ♦ DBE Program Update
- ♦ Wildlife Management Plan



*Mohsen Mohammadi and MDG staff were key personnel in these representative projects while working with another firm.

PROFESSIONAL ENGINEERING CONSULTING SERVICES AND SINGLE PROJECTS

Zephyrhills Municipal Airport (ZPH)



OWNER:

City of Zephyrhills, Florida

CONTACT:

Nathan Coleman, Airport Director
(813) 780-0030

DATES:

1999-Current

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., PE - Project Manager
Nabil Hmeidi, PE - Geotechnical Engineer
Timeka Carter - Planning
Marisela Hernandez - Stormwater Design & Permitting
Jackie Curry - RPR
Yan Yang - Civil Designer
Alicia Vanderpool - Grant Compliance

RELEVANCE TO SCOPE:

Airport Consulting Services
Civil engineering
Key personnel collaboration
Local permitting
Environmental Studies
FAA/FDOT coordination
Grant assistance & compliance
Airport planning
Architectural/MEP services
Stormwater/drainage improvements
Geotechnical services
Construction management
Construction Administration
Resident Project Representative/Inspections

Since 1999, Mohsen Mohammadi, Ph.D., P.E., has served as the Project Manager, Engineer of Record, or Principal in Charge of multiple projects completed at ZPH. He and the proposed MDG key personnel have provided services to the Airport, including civil design, geotechnical services, planning and airspace analysis, grant applications and compliance, construction administration, construction management, and resident project representative (RPR) services.

PROJECTS COMPLETED AS PART OF A PROFESSIONAL ENGINEERING SERVICES CONTRACT*:

- ♦ Runway 1-19 Extension
- ♦ Environmental Assessment
- ♦ Airport Layout Plan (ALP) Update
- ♦ Stormwater Master Plan
- ♦ Update Zoning Ordinance
- ♦ Roadway Design

**Mohsen Mohammadi and MDG staff were key personnel in these representative projects while working with another firm*

In addition to the abovementioned projects, MDG also provides professional engineering services for several other improvement projects at ZPH that are currently underway. These include the rehabilitation of Runway 1-19, a new terminal, a new Taxiway F, and new box hangars.



GENERAL CONSULTING CONTRACT*

Citrus County, Florida (Crystal River and Inverness Airports)



OWNER:

Citrus County, Florida

CONTACT:

Todd Regan, Airport Manager
(352) 527-5247

DATES:

2000 - 2022

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., PE - Project Manager
Nabil Hmeidi, PE - Geotechnical Engineer
Timeka Carter - Planning
Marisela Hernandez - Stormwater Design & Permitting
Jackie Curry - Resident Project Representative
Dan Wolcott, Yan Yang, Ahmad Farahbakhsh - Civil Design

RELEVANCE TO SCOPE:

Airport Consulting Services
Civil engineering
Key personnel collaboration
Local permitting
Environmental Studies
FAA/FDOT coordination
Grant assistance & compliance
Airport planning
Architectural/MEP services
Stormwater/drainage improvements
Geotechnical services
Construction management
Construction Administration
Resident Project Representative/Inspections

For over 20 years, Mohsen Mohammadi, Ph.D., P.E., was the Project Manager, Engineer of Record, or Principal in Charge of multiple projects completed at the Crystal River and Inverness Airports. He and the proposed MDG key personnel have provided a variety of services, including civil design, geotechnical services, grant applications and compliance, construction administration, construction management, and Resident Project Representative Services.

PROJECTS COMPLETED:

CRYSTAL RIVER AIRPORT

- ♦ Runway 9-27 Rehabilitation
- ♦ Obstruction Clearing
- ♦ Runway 9 Displaced Threshold
- ♦ Taxiway and Taxilanes Rehabilitation
- ♦ Apron Rehabilitation
- ♦ Master Plan Update (subconsultant)
- ♦ Zoning Ordinance Update

INVERNESS AIRPORT

- ♦ Taxiway A1 Relocation
- ♦ Taxiways B and C and Apron Rehabilitation
- ♦ Business Industrial Park Design
- ♦ Hangar Airspace Analysis

*Mohsen Mohammadi and MDG staff were key personnel in these representative projects while working with another firm.

CONSULTING ARCHITECTURAL/ENGINEERING SERVICES*

Henry E. Rohlsen Airport (STX)



OWNER:

Virgin Islands Port Authority (VIPA)

CONTACT:

Preston Beyer, PE, Director of Engineering
(340) 717-1629

DATES:

1999 - 2022

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., PE - Project Manager
Nabil Hmeidi, P.E. - Geotechnical Engineer
Timeka Carter - Planning
Karla Dowd - QC & Construction Services
Jackie Curry - Inspections
Marisela Hernandez - Permitting
Dan Wolcott, Yan Yang, & Ahmad Farahbakhsh - Civil Design
Alicia Vanderpool - Grant Compliance

RELEVANCE TO SCOPE:

Airport Consulting Services
Civil engineering
Key personnel collaboration
Local permitting
Environmental Studies
FAA coordination
Grant assistance & compliance
Airport planning
Architectural/MEP services
Stormwater/drainage improvements
Geotechnical services
Construction management
Construction Administration
Resident Project Representative/Inspections

Mohsen Mohammadi, Ph. D., P.E., was the Project Manager, Engineer of Record, and Principal in Charge for multiple projects completed at STX for over 23 years. He, along with the proposed MDG key personnel, provided services to the Virgin Islands Port Authority, including civil design, geotechnical services, planning and airspace analysis, grant applications and compliance, construction administration, construction management, and resident project representative (RPR) services, as well as acting as the owner's representative and extension of staff.

PROJECTS COMPLETED:

- ♦ Runway 10-28 & Taxiway A Rehabilitation
- ♦ Terminal, Military, General Aviation, and Cargo Apron Rehabilitation
- ♦ Terminal Improvements, Phase 1
- ♦ New Aircraft Rescue and Fire Fighting (ARFF) Facility
- ♦ Runway 10-28 Lighting and Shoulder Construction and New Electrical Vault
- ♦ Taxiways A and B Rehabilitation
- ♦ Airfield Security Improvements
- ♦ Airport Layout Plan (ALP) Update
- ♦ Pavement Management Plan Update
- ♦ Grant Services
- ♦ PFC Application Preparation



**Mohsen Mohammadi and MDG staff were key personnel in these representative projects while working with another firm.*

RAMP, BLAST DEFLECTORS, AND TAXILANE IMPROVEMENTS

Miami International Airport (MIA)



OWNER:

Signature Flight Support

CONTACT:

Nicole Elijah
(407) 590-5470

DATES:

2022 - Ongoing

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., P.E. - Project Manager & EOR
Karla Dowd - Quality Control
Nabil Hmeidi, P.E. - Civil & Geotechnical Engineering
Daniel Wolcott - Lead Designer
Ahmad Farahbakhsh - Civil Designer
Graham Feland, P.E - Drainage Engineer
Marisela Hernandez - Stormwater Design and Permitting
Timeka Carter - Airspace Analysis

RELEVANCE TO SCOPE:

Airport engineering services
Key personnel collaboration
Local permitting
Environmental Studies
Airport planning
Stormwater/drainage improvements
Geotechnical services
Construction Administration

MDG provides professional engineering services for this project, which primarily involves constructing a new ramp and blast deflector fence for the Signature Flight Support facility at MIA. The new ramp requires demolishing an existing building, parking lots, and ramp pavements and installing a new concrete ramp designed to accommodate aircraft such as Antonovs, B-757s, B-747s, and A-340s. The concrete from the existing ramp will be recycled and incorporated into the new ramp. The ramp is approximately 450,000 SF. A new taxiway (ADG II, TDG 2) will also be constructed to improve maneuverability and provide a new aircraft taxiing route to increase parking capacity on the existing ramp.

Other project components include installing blast deflectors and new AOA fencing, replacing an existing Oil/Water Separator (OWS), and constructing an additional +/- 2,000 SF asphalt paved equipment parking area. In addition, the apron stormwater pipe network will be removed and redesigned. The stormwater network redesign involves the installation of grit chambers and drainage ditches to direct water into the OWS. Due to grading constraints, the apron pavement will be raised about five feet (5') along its north boundary line and will be graded to meet the existing service road pavement along its south boundary line.

MDG provides civil engineering design services and coordination with consultants, subconsultants, MDAD, and local agencies to permit and approve design plans. MDG also prepared the Construction Safety and Phasing Plan (CSPP) and airspace analysis.

The design of this project is complete. Construction is estimated to be completed in 2025, costing approximately \$25M.

FBO AND HANGAR DEVELOPMENT

Palm Beach International Airport (PBI)



OWNER:

Signature Flight Support

CONTACT:

Brian Coyle
(256) 975-5740

DATES:

2022 - Ongoing

MDG PERSONNEL INVOLVED:

Mohsen Mohammadi, Ph.D., P.E. - Project Manager & EOR
Karla Dowd - Quality Control
Nabil Hmeidi, P.E. - Civil & Geotechnical Engineering
Daniel Wolcott - Lead Designer
Yan Yang - Civil Designer
Ahmad Farahbakhsh - Civil Designer
Marisela Hernandez - Stormwater Design and Permitting

RELEVANCE TO SCOPE:

Airport architectural/engineering services
Key personnel collaboration
Local permitting
Environmental Studies
Airport planning
Stormwater/drainage improvements
Geotechnical services
Construction Administration

The main elements of this ongoing multi-phase project consist of constructing three hangar structures (39,600 SF each) with attached office/shop spaces and associated parking areas, a new concrete paved ramp (250,000 SF), a two-story terminal building, a fuel farm, and a GSE building. Other elements include environmental permitting for the relocation of burrowing owls, utility design, and airspace evaluation. MDG provides civil engineering design services and coordination with consultants, subconsultants, and local agencies to permit and approve design plans.

Construction for this project is currently underway with an estimated construction cost of \$17M





160 Aviation Drive North • Naples, Florida 34104-3568 | 239.643.0733 | www.FlyNaples.com

July 8, 2024

Ms. Erin Kluis Briggs
Procurement Coordinator
Hernando County, Florida
15470 Flight Path Drive
Brooksville, FL 34604

RE: LETTER OF REFERENCE: Mohsen Design Group Incorporated (MDG)

Dear Selection Committee Members:

I have worked with Mohsen Mohammadi since 2010. While serving as the Manager of Venice Municipal Airport, I had the pleasure of working with Mohsen and many of his MDG team members as part of multiple On-Call Airport Engineering contracts. Over the duration of the contracts, many projects were completed, including the Runway 13-31 extension (EMAS), central apron expansion, and Runway 5-23 rehabilitation, which won FDOT's General Aviation Project of the Year.

At Naples Airport, their team members has held key roles in projects such as GA terminal improvements, Northwest Quadrant development, Runway 5-23 drainage improvements, and the North Road Terminal ramp improvements.

Not only are Mohsen and his team extremely experienced, but they consistently provide the best client service. They put a high level of pride in their work and their relationships. I am honored to recommend the MDG team for these reasons and many more.

Please feel free to contact me if you have any questions at 239-643-0733.

Sincerely,

Christopher A. Rozansky
Executive Director



July 8, 2024

Ms. Erin Kluis Briggs
Procurement Coordinator
Hernando County Board of County Commissioners
15470 Flight Path Drive
Brooksville, Florida 34604

RE: LETTER OF REFERENCE
Mohsen Design Group Incorporated (MDG)

Dear Selection Committee Members:

For over ten years, I have had the privilege of working with Dr. Mohsen Mohammadi and many of the staff members at MDG. During my tenure as Airport Manager at Brooksville- Tampa Bay Regional Airport, their team held key roles in many capital projects completed as part of an ongoing General Engineering Services contract. Projects included A/E tasks such as runway and taxiway rehabilitation, NAVAID improvements, airfield electrical improvements, and landside projects. Other one-off assignments included DBE plans, feasibility studies, and conceptual site planning. Mohsen served as the project manager and liaison for these assignments. Every project was completed on schedule and within budget. We were always pleased with the services provided, all final products, and the professionalism of the firm.

In addition to the services provided by MDG for BKV, they are currently providing various services for the Titusville-Cocoa Aviation Authority.

I highly recommend MDG for this contract due to their professionalism, technical skill set, and overall expertise in aviation. If you need additional information or further details, don't hesitate to contact me at (321) 267 -8780 or electronically at kdaugherty@flyspacecoast.org.

Sincerely,

Kevin Daugherty, AAE
Director of Airports + Exploration Spaceport



CITY OF ST. PETERSBURG
107 8TH Avenue Southeast
St. Petersburg, FL 33701-3961
Telephone: 727-893-7657
www.albertwhittedairport.com

July 5, 2024

Ms. Erin Kluis Briggs
Procurement Coordinator
Hernando County, Florida
15470 Flight Path Drive
Brooksville, Florida 34604

RE: LETTER OF REFERENCE: Mohsen Design Group Incorporated (MDG)

Dear Selection Committee Members:

I have worked with Mohsen Mohammadi and many of the staff members at MDG since 2012. Their team held key roles in many projects that were completed as part of a General Engineering Services Contract for the Albert Whitted Airport. They completed projects ranging from runway and taxiway rehabilitation to hangar developments and DBE program updates among other engineering, architectural, and planning services. All projects were completed on schedule and within budget.

I highly recommend the MDG team due to their experience, ability to resolve challenges, accessibility, and excellent client service. If you have any additional questions, please feel free to contact me via phone at 727-893-7657 or via email at richard.lesniak@spete.org.

Sincerely,

A handwritten signature in black ink that reads "Richard J. Lesniak". The signature is written in a cursive style with a large, prominent "R" and "L".

Richard J Lesniak,
Airport Manager



July 10, 2024

Ms. Erin Kluis Briggs
Procurement Coordinator
Hernando County Board of County Commissioners
15470 Flight Path Drive
Brooksville, Florida 34604

**RE: LETTER OF REFERENCE
Mohsen Design Group Incorporated (MDG)**

Dear Selection Committee Members:

I have worked with Mohsen Mohammadi and other MDG staff since I joined St. Pete-Clearwater International Airport, PIE, since 2014. (Personally, Mohsen and I have worked together since the 1990's when he and I were engineers with The LPA Group).

Mohsen served either as the Project Manager, Engineer of Record, or Construction Manager on several projects including the Rehabilitation of Taxiway A and associated taxiway connectors, (Phases 1 and 2), Terminal Renovations and Expansions, Parking Lot Improvements, and Stormwater Master Planning. Mohsen and his staff have always provided exemplary service to PIE. Not just from a technical standpoint, but also from a client service aspect as well. (Mohsen and his staff are very proactive on their approach to issues that always seem to inevitably appear during construction).

I highly recommend MDG for this contract due to their technical knowledge of airports and their commitment to their clients.

If you need additional information or further details, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Scott A. Yarley'. The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

Scott A. Yarley, P.E.
Airport Engineer
syarley@fly2pie.com
727-453-7830

July 9th, 2024

Ms. Erin Kluis Briggs
Procurement Coordinator
Hernando County, Florida
15470 Flight Path Drive
Brooksville, Florida 34604

RE: Letter of Reference for MDG

To Whom It May Concern,

It is with pleasure that I write this letter of reference for MDG. Signature Aviation has worked with Mohsen and many of MDG staff since 2010 on numerous airside and landside projects throughout Florida and the United States. They have completed many projects for Signature Aviation's FBO facilities, including aircraft parking aprons, taxiways, parking lots, fuel farms, civil/site design for hangars and FBO facilities, and other airside and landside improvements.

Their team is professional and experienced and consistently provides a high-quality product. Mohsen and MDG staff are client service oriented and extremely responsive. I recommend MDG without hesitation and trust that your experience will be as positive as ours has been.

If you have any other questions, please contact me at tom.vliek@signatureaviation.com or at 407-902-7611.

Regards,



Tom Vliek

Vice President, Facilities



MOHSEN DESIGN GROUP INCORPORATED

2202 N. Westshore Blvd., Suite 200
Tampa, Florida 33607

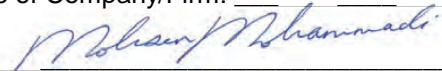
Convicted or Discriminatory Vendor List Statement

Those who have been placed on the convicted vendor list following a conviction for a public entity crime or on the discriminatory vendor list may not submit a bid on the contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with a public entity, and may not transact business with any public entity in excess of \$25,000.00 for a period of 36 months from the date of being placed on the convicted vendor list or on the discriminatory vendor list.

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

It is certified that neither the below identified firm nor its principals are presently suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Name of Company/Firm: Mohsen Design Group Incorporated

By:  Date: 7/15/2024
Authorized Signature

Title: Principal

Instructions for Certification

1. Certifies the company/firm are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by the federal department or agency;
2. have not within a five-year period preceding this proposal been convicted of or had a civil judgment rendered against them for fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. are not presently indicated or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any offenses enumerated in this document; and
4. have not within five-year period preceding this Agreement had one or more public transactions (federal, state or local) terminated for cause or default.

If the above is unable to certify to any of the statements in this certification, then the company/firm shall attach an explanation to this agreement.

STATEMENT OF GOOD FAITH EFFORTS

The Bidder shall demonstrate the good faith efforts made to meet the DBE goals established as long as all of the requested information is included. Failure to include all requested information shall result in the bid being determined as nonresponsive to the DBE requirements.

The following list is not intended to be exclusive or exhaustive and the Owner will look not only at the different kinds of efforts the bidder has made, but also the quality, quantity, intensity and timeliness of those efforts. It is the responsibility of the bidder to exercise good faith efforts. Any act or omission by the Owner shall not relieve the bidder of this responsibility.

Criteria listed below are excerpted from Appendix A of 49 CFR 26, as amended. A response is required to address each cited paragraph. Additional pages may be added as necessary.

1. Whether the Bidder attended the Pre-Bid conference, if held:

Attended _____ Not Attended _____ Not Held ✓

2. Whether and when the bidder provided written notice to all certified DBE's that perform the type of work to be subcontracted and advising the DBE's of the specific work the bidder intends to subcontract; that their interest in the contract is being solicited; and how to obtain information for the review and inspection of contract plans and specifications.

All letters from bidders to prospective DBE subcontractors must be post marked or fax recorded a minimum of 12 calendar days prior to bid opening.

3. Provide complete list of all DBE's solicited.

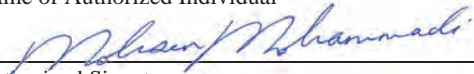
DBE SUBCONTRACTOR	DBE TYPE¹	TYPE OF WORK
The Ohmega Group, Inc.	Black American	Airfield Electrical Engineering
Quantum Electrical Engineering, Inc.	Women	NAVAIDs & Electrical Engineering
Diversified Professional Services Corp.	Women	

4. Provide complete list of all DBE's who submitted bids which were not the low responsive bids.

DBE SUBCONTRACTOR	DBE TYPE¹	TYPE OF WORK

Note: 1 – Note: Women, Black American, Hispanic American, Native American, Asian-Pacific American, Subcontinent Asian American, Other (Specify)

Mohsen Mohammadi, Ph.D., PE
Name of Authorized Individual


Authorized Signature

7/15/2024
Date

Disadvantaged Business Enterprise (DBE) Affirmation Statement

Prime Contractor/Prime Consultant: Mohsen Design Group Incorporated

Telephone Number: 813-244-6609

Address: 2202 N. Westshore Blvd., Suite 200 Tampa, FL 33607

I hereby certify that the above stated contractor/consultant is a (select one):

DBE

Non-DBE

Subcontractor Services List

Please list all subcontractors for services:

• Company Name: The Ohmega Group, Inc.

Telephone Number: 904-807-6512

Address: 25 N. Market Street, Suite 300A Jacksonville, FL 32202

The above company named is a (select one):

DBE

Non-DBE

• Company Name: Quantum Electrical Engineering, Inc.

Telephone Number: 561-210-9224

Address: 2755 Vista Parkway, Suite I-12 West Palm Beach, FL 33411

The above company named is a (select one):

DBE

Non-DBE

• Company Name: Diversified Professional Services Corp.

Telephone Number: 352-588-2811

Address: 27915 Johnston Rd., Dade City, FL 33523

The above company named is a (select one):

DBE

Non-DBE

• Company Name: HDg Architecture

Telephone Number: 407-739-9000

Address: 127 W. Fairbanks Avenue #140 Winter Park, FL 32789

The above company named is a (select one):

DBE

Non-DBE

• Company Name: Environmental Science Associates

Telephone Number: 813-207-7200

Address: 5404 Cypress Center Dr. Unit 125 Tampa, FL 33609

The above company named is a (select one):

DBE

Non-DBE

Tierra, Inc.
813-989-1354
7351 Temple Terrace, Hwy. Tampa, FL 33637
Non-DBE

Coastal Engineering Associates
352-796-9423
966 Candlelight Blvd. Brooksville, FL 34601
Non-DBE

DISCLOSURE OF LOBBYING ACTIVITIES

OMB Control Number: 4040-0013

Expiration Date: 2/28/2025

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

N/A

Review Public Burden Disclosure Statement

1. * Type of Federal Action: <input type="radio"/> a. contract <input checked="" type="radio"/> b. grant <input type="radio"/> c. cooperative agreement <input type="radio"/> d. loan <input type="radio"/> e. loan guarantee <input type="radio"/> f. loan insurance	2. * Status of Federal Action: <input type="radio"/> a. bid/offer/application <input checked="" type="radio"/> b. initial award <input type="radio"/> c. post-award	3. * Report Type: <input checked="" type="radio"/> a. initial filing <input type="radio"/> b. material change For Material Change Only: year <input type="text"/> quarter <input type="text"/> date of last report <input type="text"/>
4. Name and Address of Reporting Entity: <input checked="" type="radio"/> Prime <input type="radio"/> SubAwardee Tier if known: <input type="text"/> * Name <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/> Congressional District, if known: <input type="text"/>		
5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime: * Name <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/> Congressional District, if known: <input type="text"/>		
6. * Federal Department/Agency: <input type="text"/>	7. * Federal Program Name/Description: <input type="text"/> CFDA Number, if applicable: <input type="text"/>	
8. Federal Action Number, if known: <input type="text"/>	9. Award Amount, if known: \$ <input type="text"/>	
10. a. Name and Address of Lobbying Registrant: Prefix <input type="text"/> * First Name <input type="text"/> Middle Name <input type="text"/> * Last Name <input type="text"/> Suffix <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/>		
b. Individual Performing Services (including address if different from No. 10a) Prefix <input type="text"/> * First Name <input type="text"/> Middle Name <input type="text"/> * Last Name <input type="text"/> Suffix <input type="text"/> * Street 1 <input type="text"/> Street 2 <input type="text"/> * City <input type="text"/> State <input type="text"/> Zip <input type="text"/>		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. * Signature: <input type="text"/> *Name: Prefix <input type="text"/> * First Name <input type="text"/> Middle Name <input type="text"/> * Last Name <input type="text"/> Suffix <input type="text"/> Title: <input type="text"/> Telephone No.: <input type="text"/> Date: <input type="text"/>		
Federal Use Only:	STANDARD FORM LLL (REV. 7/1997) Authorized for Local Reproduction	

**CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES
ON FEDERAL-AID CONTRACTS
(Compliance with 49CFR, Section 20.100 (b))**

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:


(1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities", in accordance with its instructions. (Standard Form-LLL can be obtained from www.gsa.gov/forms-library/disclosure-lobbying-activities)

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

Name of Company/Firm: Mohsen Design Group Incorporated

By:  Date: 7/15/2024
Authorized Signature

Title: Principal

Representation Regarding Felony Convictions or Tax Delinquent Status

All applicants must complete the paragraph (1) of this representation, and all corporate applicants also must complete paragraphs (2) and (3) of this representation.


(1) Applicant, Mohsen Design Group Incorporated, [insert applicant name] is is not (check one) an entity that has filed articles of incorporation in one of the fifty states, the District of Columbia, or the various territories of the United States including American Samoa, Federated States of Micronesia, Guam, Midway Islands, Northern Mariana Islands, Puerto Rico, Republic of Palau, Republic of the Marshall Islands, U.S. Virgin Islands. (Note that this includes both for-profit and non-profit organizations.)

For those applicants who indicate above that they are a corporation, the applicant must complete paragraphs (2) and (3) of the representation.

(2) Applicant, Mohsen Design Group Incorporated, [insert corporation name] has has not (check one) been convicted of a felony criminal violation under Federal or State law (check as applicable) in the 24 months preceding the date of application. Applicant has has not (check one) had any officer or agent of Applicant convicted of a felony criminal violation for actions taken on behalf of Applicant under Federal or State law in the 24 months preceding the date of signature.

(3) Applicant, Mohsen Design Group Incorporated, [insert corporation name] has does not have (check one) any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

Providing the requested information is voluntary. However, failure to furnish the requested information will make the applicant ineligible to enter into a contract, memorandum of understanding, grant, loan, loan guarantee, or cooperative agreement with USDT.

APPLICANT'S SIGNATURE (BY)	TITLE/RELATIONSHIP OF THE INDIVIDUAL IF SIGNING IN A REPRESENTATIVE CAPACITY	DATE SIGNED (MM-DD-YYYY)
	Principal	7/15/2024

The U.S. Department of Treasury (USDT) prohibits discrimination in all of its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact Disability Resources, U.S. Department of Treasury, 1500 Pennsylvania Avenue, NW, Washington, DC 20220, United States, USDT is an equal opportunity provider and employer.

Anti-Human Trafficking Affidavit

In compliance with Fla. Stat. § 787.06(13), this affidavit must be completed by an officer or representative of a nongovernmental entity that is executing, renewing, or extending a contract with Hernando County or any of its subordinate units (the “Governmental Entity”).

1. My name is **Mohsen Mohammadi** and I am over eighteen years of age. The following information is given from my own personal knowledge.

2. I am an officer or representative with **MOHSEN DESIGN GROUP INCORPORATED**, a non-governmental entity (the “Nongovernmental Entity”). I am authorized to provide this affidavit on behalf of Nongovernmental Entity.

3. Neither Nongovernmental Entity, nor any of its subsidiaries or affiliates, uses *coercion for labor* or *services*, as such italicized terms are defined in Fla. Stat. § 787.06, as it may be amended from time to time.

4. If, at any time in the future, Nongovernmental Entity does use coercion for labor or services, Nongovernmental Entity will immediately notify Governmental Entity and no contracts may be executed, renewed, or extended between the parties.

5. This declaration is made pursuant to Fla, Stat. § 92.525. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I **Mohsen Mohammadi**, declare that I have read the foregoing Anti-Human Trafficking Affidavit and that the facts stated in it are true.

FURTHER AFFIANT SAYETH NAUGHT.

MOHSEN DESIGN GROUP INCORPORATED

Name of Nongovernmental Entity

Mohsen Mohammadi

Printed Name of Affiant

Principal

Title of Affiant

Signature of Affiant

11/07/2024

Date