

*CITY OF POMPANO BEACH,  
FLORIDA*

**PROFESSIONAL CONSULTING AGREEMENT No. 1597**

**with  
KIMLEY-HORN & ASSOCIATES,INC.**



***CONTINUING CONTRACT FOR ENGINEERING SERVICES  
for  
Airpark Consulting Services***

**CONTRACT FOR  
PROFESSIONAL CONSULTING SERVICES**

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This Contract is made on \_\_\_\_\_, by and between the City of Pompano Beach, a municipal corporation of the State of Florida, hereinafter referred to as "CITY," and Kimley-Horn and Associates, Inc. a North Carolina Corporation, authorized to do business in the State of Florida, hereinafter referred to as the "Consultant".

**WHEREAS**, the Consultant is able and prepared to provide such services as City requires under the terms and conditions set forth herein; and

**WHEREAS**, the City Commission has approved the recommendation that Consultant be employed by the City and authorized the negotiation of contractual terms.

**NOW, THEREFORE**, in consideration of the mutual promises herein, the City and the Consultant agree as follows:

**ARTICLE 1 – SERVICES/CONSULTANT AND CITY REPRESENTATIVES**

The Consultant's responsibility under this Contract is to provide professional consulting services as more specifically set forth in RLI No. E-10-22 attached hereto as Exhibit A and incorporated herein in its entirety.

The Consultant's representative shall be Thomas O'Donnell

The CITY's representative shall be City Engineer or designee,

**ARTICLE 2 – TERM**

The CONSULTANT shall adhere to the schedule given in each work authorization after receiving the "Notice to Proceed."

Reports and other items shall be delivered or completed in accordance with the detailed schedule set forth in individual Work Authorizations as negotiated.

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

### ARTICLE 3 – PAYMENTS TO CONSULTANT

A. City agrees to pay Consultant in consideration for its services described herein. It is the intention of the parties hereby to ensure that unless otherwise directed by the City in writing, Consultant will continue to provide services as specified in Exhibit A for the term of this Contract.

B. Price Formula. City agrees to pay Consultant as negotiated on a Work Authorization basis. Each work authorization shall specifically identify the scope of the work to be performed and the fees for said services. As set forth in RLI No. E-10-22, professional services under this contract will be restricted to those required for any project for which construction costs will not exceed four Million Dollars (\$4,000,000.00), and for any study activity fees shall not exceed five hundred thousand dollars (\$500,000.00).

C. Fee Determination. Each individual Work Authorization may be negotiated for fees to be earned by Time and Materials with a Not to Exceed Amount, Lump Sum, or a combination of both methods for subtasks contained therein. The total amount to be paid by the City under a Work Authorization shall not exceed specified amounts for all services and materials including “out of pocket” expenses as specified in Paragraph E below and also including any approved subcontracts unless otherwise agreed in writing by both parties. The Consultant shall notify the City’s Representative in writing when 90% of the “not to exceed amount” for the total Work Authorization has been reached. The Consultant will bill the City on a monthly basis, or as otherwise provided. Time and Materials billing will be made at the amounts set forth in Exhibit B for services rendered toward the completion of the Scope of Work. Where incremental billings for partially completed items are permitted, the total billings shall not exceed the estimated percentage of completion as of the billing date. It is acknowledged and agreed to by the Consultant that the dollar limitation set forth in this section is a limitation upon and describes the maximum extent of City’s obligation to pay Consultant, but does not include a limitation upon Consultant’s duty to perform all services set forth in Exhibit A for the total compensation in the amount or less than the guaranteed maximum stated above.

D. Invoices received by the City from the Consultant pursuant to this Contract will be reviewed and approved in writing by the City’s Representative, indicating that services have been rendered in conformity with the Contract, and then will be sent to the City’s Finance Department for payment. All invoices shall contain a detailed breakdown of the services provided for which payment is being requested. In addition to detailed invoices, upon request of the City’s representative, Consultant shall provide City with detailed periodic Status Reports on the project. All invoice payments by City shall be made after the Work has been verified and completed. Unless disputed by City as provided herein, upon City’s receipt of a Proper Invoice as defined in §218.72, Florida Statutes, as amended, City shall forward Consultant payment for work performed within forty five (45) days for all goods and services provided.

City may temporarily remove for review any disputed amount, by line item, from an invoice and shall timely provide Consultant written notification of any such disputed charge. Consultant shall provide clarification and a satisfactory explanation to City, along with revised

copies of all such documents if inaccuracies or errors are discovered, within ten (10) days of receipt of City's notice of the disputed amount

In the event City has a claim against Consultant for Work performed hereunder which has not been timely remedied in accordance with the provisions of this Article 3, City may withhold payment for the contested amount, in whole or in part, to protect itself from loss on account of defective Work, claims filed or reasonable evidence indicating probable filing of claims by other parties against Consultant, and/or Consultant's failure to make proper payments to subcontractors or vendors for material or labor. When the reason(s) for withholding payment are removed or resolved in a manner satisfactory to City, payment shall be made.

E. "Out-of-pocket" expenses shall be reimbursed up to an amount not to exceed amounts included in each Work Authorization. All requests for payment of "out-of-pocket" expenses eligible for reimbursement under the terms of this Contract shall include copies of paid receipts, invoices, or other documentation acceptable to the City's Representative and to the Finance Department. Such documentation shall be sufficient to establish that the expense was actually incurred and necessary in the performance of the Scope of Work described in a Work Authorization and this Contract. All out-of-pocket, reimbursables and expenses shall be billed at actual amount paid by Consultant, with no markup.

F. Final Invoice. In order for both parties herein to close their books and records, the Consultant will clearly state "Final Invoice" on the Consultant's final/last billing to the City. This final invoice shall also certify that all services provided by Consultant have been properly performed and all charges and costs have been invoiced to the City. Because this account will thereupon be closed, any and other further charges not properly included on this final invoice are waived by the Consultant.

#### **ARTICLE 4 – TRUTH-IN-NEGOTIATION CERTIFICATE**

Signature of this Contract by the Consultant shall also act as the execution of a truth in negotiation certificate, certifying that the wage rates, overhead charges, and other costs used to determine the compensation provided for this Contract are accurate, complete and current as of the date of the Contract and no higher than those charged the Consultant's most favored customer for the same or substantially similar service. Should the City determine that said rates and costs were significantly increased due to incomplete, non-current or inaccurate representation, then said rates shall be adjusted accordingly.

#### **ARTICLE 5 – TERMINATION**

City shall have the right to terminate this Contract, in whole or in part, for convenience, cause, default or negligence on Consultant's part, upon ten (10) business days advance written notice to Consultant. Such Notice of Termination may include City's proposed Transition Plan and timeline for terminating the Work, requests for certain Work product documents and materials, and other provisions regarding winding down concerns and activities.

If there is any material breach or default in Consultant's performance of any covenant or obligation hereunder which has not been remedied within ten (10) business days after City's written Notice of Termination, City, in its sole discretion, may terminate this Contract immediately and Consultant shall not be entitled to receive further payment for services rendered from the effective date of the Notice of Termination.

In the event of termination, City shall compensate Consultant for all authorized Work satisfactorily performed through the termination date under the payment terms set forth in Article 3 above and all Work product documents and materials shall be delivered to City within ten (10) business days from the Notice of Termination. If any Work hereunder is in progress but not completed as of the date of the termination, then upon City's written approval, this Contract may be extended until said Work is completed and accepted by City.

This Contract may be cancelled by the Consultant, upon thirty (30) days prior written notice to the City's Representative, in the event of substantial failure by the City to perform in accordance with the terms of this Contract through no fault of the Consultant.

#### **ARTICLE 6 – PERSONNEL**

The Consultant is, and shall be, in the performance of all work services and activities under this Contract, an independent Contractor, and not an employee, agent or servant of the City. All persons engaged in any of the work or services performed pursuant to this Contract shall at all times, and in all places, be subject to the Consultant's sole direction, supervision, and control and shall not in any manner be deemed to be employees of the City. The Consultant shall exercise control over the means and manner in which it and its employees perform the work. This contract does not create a partnership or joint venture between the parties.

The Consultant represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, nor shall such personnel be subject to any withholding for tax, Social Security or other purposes by the City, nor be entitled to any benefits of the City including, but not limited to, sick leave, pension benefits, vacation, medical benefits, life insurance, workers or unemployment compensation benefits, or the like from the City.

All of the services required hereunder shall be performed by the Consultant or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

Any changes or substitutions in the Consultant's key personnel, as may be listed in Article 1, must be made known to the City's Representative at the time substitution becomes effective.

The Consultant warrants that all services shall be performed by skilled and competent personnel to the degree exercised by consultants performing the same or similar services in the same location at the time the services are provided.

## **ARTICLE 7 – SUBCONTRACTING**

Consultant may subcontract any services or work to be provided to City with the prior written approval of the City's Representative. The City reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractors in order to make determination as to the capability of the subcontractor to perform properly under this Contract. The City's acceptance of a subcontractor shall not be unreasonably withheld. The Consultant is encouraged to seek small business enterprises and to utilize businesses that are physically located in the City of Pompano Beach with a current Business Tax Receipt for participation in its subcontracting opportunities.

## **ARTICLE 8 – FEDERAL AND STATE TAX**

The City is exempt from payment of Florida State Sales and Use Taxes. The City will provide the Consultant with the current state issued exemption certificate. The Consultant shall not be exempted from paying sales tax to its suppliers for materials used to fulfill contractual obligations with the City, nor is the Consultant authorized to use the City's Tax Exemption Number in securing such materials.

The Consultant shall be responsible for payment of its own and its share of its employees' payroll, payroll taxes and benefits with respect to this Contract

## **ARTICLE 9 – AVAILABILITY OF FUNDS**

The City's performance and obligation to pay under this contract is contingent upon appropriation for various projects, tasks and other professional services by the City Commission.

## **ARTICLE 10 - INSURANCE REQUIREMENTS**

The Consultant shall not commence work under this Contract until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the City, nor shall the Consultant allow any Subcontractor to commence work on its sub-contract until the aforementioned approval is obtained.

CERTIFICATE OF INSURANCE, reflecting evidence of the required insurance, shall be filed with the Risk Manager prior to the commencement of the work. The Certificate shall contain a provision that coverage afforded under these policies will not be cancelled, will not expire and will not be materially modified until at least thirty (30) days prior written notice has been given to the City. Policies shall be issued by companies authorized to conduct business under the laws of the State of Florida and shall have adequate Policyholders and Financial ratings in the latest ratings of A. M. Best and be part of the **Florida Insurance Guarantee Association Act**.

Insurance shall be in force until all work required to be performed under the terms of the Contract is satisfactorily completed as evidenced by the formal acceptance by the City. In the event the Insurance Certificate provided indicates that the insurance shall terminate and lapse

during the period of this Contract, the Consultant shall furnish, at least ten (10) days prior to the expiration of the date of such insurance, a renewed Certificate of Insurance as proof that equal and like coverage for the balance of the period of the Contract and extension thereunder is in effect. The Consultant shall not continue to work pursuant to this Contract unless all required insurance remains in full force and effect.

Limits of Liability for required insurance are shown in Exhibit C.

The City of Pompano Beach must be named as an additional insured for the Automobile and Commercial General Liability Coverage.

For Professional Liability, if coverage is provided on a claims made basis, then coverage must be continued for the duration of this Contract and for not less than one (1) year thereafter, or in lieu of continuation, provide an "extended reporting clause" for one (1) year.

Consultant shall notify the City Risk Manager in writing within thirty (30) days of any claims filed or made against the Professional Liability Insurance Policy.

For Workers' Compensation Insurance, coverage shall be maintained during the life of this Contract to comply with statutory limits for all employees, and in the case of any work sublet, the Consultant shall require any Subcontractors similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the Consultant. The Consultant and his Subcontractors shall maintain during the life of this Contract Employer Liability Insurance.

## **ARTICLE 11 – INDEMNIFICATION**

A. Consultant shall at all times indemnify, hold harmless the City, its officials, employees, volunteers and other authorized agents from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this contract. To the extent considered necessary by City, any sums due Consultant hereunder may be retained by City until all of City's claims for indemnification hereunder have been settled or otherwise resolved, and any amount withheld shall not be subject to payment or interest by City.

B. Consultant acknowledges and agrees that City would not enter into this Contract without this indemnification of City by Consultant. The parties agree that one percent (1%) of the total compensation paid to Consultant hereunder shall constitute specific consideration to Consultant for the indemnification provided under this Article and these provisions shall survive expiration or early termination of this Contract.

C. Nothing in this Agreement shall constitute a waiver by the City of its sovereign immunity limits as set forth in section 768.28, Florida Statutes. Nothing herein shall be construed as consent from either party to be sued by third parties.

## **ARTICLE 12 – SUCCESSORS AND ASSIGNS**

The City and the Consultant each binds itself and its partners, successors, executors, administrators and assigns to the other party of this Contract and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the City nor the Consultant shall assign, sublet, encumber, convey or transfer its interest in this Contract without prior written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the City, which may be a party hereto, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the City and the Consultant.

## **ARTICLE 13 – REMEDIES**

The laws of the State of Florida shall govern this Contract. Any and all legal action between the parties arising out of the Contract will be held in Broward County. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party of any right, power or remedy hereunder shall preclude any other or further exercise thereof.

## **ARTICLE 14 – CONFLICT OF INTEREST**

The Consultant represents that it has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in the Code of Ethics for Public Officers and Employees (Chapter 112, Part III, Florida Statutes). The Consultant further represents that no person having any interest shall be employed for said performance.

The Consultant shall promptly notify the City's representative, in writing, by certified mail, of a potential conflict(s) of interest for any prospective business association, interest or other circumstance, which may influence or appear to influence the Consultant's judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Consultant may undertake and request an opinion of the City as to whether the association, interest or circumstance would, in the opinion of the City, constitute a conflict of interest if entered into by the Consultant. The City agrees to notify the Consultant of its opinion by certified mail within thirty (30) days of receipt of notice by the Consultant. If, in the opinion of the City, the prospective business association, interest, or circumstance would not constitute a conflict of interest by the Consultant, the City shall so state in the notice and the Consultant shall at its option, enter into said association, interest or circumstance and it shall be deemed not a conflict



of interest with respect to services provided to the City by the Consultant under the terms of this Contract.

#### **ARTICLE 15 – EXCUSABLE DELAYS**

The Consultant shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the control of the Consultant or its subcontractors and without their fault or negligence. Such causes include, but are not limited to, acts of God; natural or public health emergencies; freight embargoes; and abnormally severe and unusual weather conditions.

Upon the Consultant’s request, the City shall consider the facts and extent of any failure to perform the work and, if the Consultant’s failure to perform was without it, or its subcontractors fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly; subject to the City’s rights to change, terminate, or stop any or all of the work at any time.

#### **ARTICLE 16 – DEBT**

The Consultant shall not pledge the City’s credit or attempt to make it a guarantor of payment or surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

#### **ARTICLE 17 – DISCLOSURE AND OWNERSHIP OF DOCUMENTS**

The Consultant shall deliver to the City’s representatives for approval and acceptance, and before being eligible for final payment of any amounts due, all documents and materials prepared by and for the City under this Contract.

All written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the City or at its expense will be kept confidential by the Consultant and will not be disclosed to any other party, directly or indirectly, without the City’s prior written consent unless required by a lawful order. All drawings, maps, sketches, programs, data base, reports and other data developed, or purchased, under this Contract for or at the City’s expense shall be and remain the City’s property and may be reproduced and reused at the discretion of the City.

A. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Consultant shall comply with Florida’s Public Records Law, as amended. Specifically, the Consultant shall:

1. Keep and maintain public records required by the City in order to perform the service.

2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law.

3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Consultant does not transfer the records to the City.

4. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Consultant, or keep and maintain public records required by the City to perform the service. If the Consultant transfers all public records to the City upon completion of the contract, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of the contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

B. Failure of the Consultant to provide the above described public records to the City within a reasonable time may subject Consultant to penalties under 119.10, Florida Statutes, as amended.

## **PUBLIC RECORDS CUSTODIAN**

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK  
100 W. Atlantic Blvd., Suite 253  
Pompano Beach, Florida 33060  
(954) 786-4611  
[RecordsCustodian@copbfl.com](mailto:RecordsCustodian@copbfl.com)**

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Contract and the consummation of the transactions contemplated thereby.

## **ARTICLE 18 – CONTINGENT FEES**

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract. Violation of this Article shall constitute a forfeiture of this Contract by Consultant.

## **ARTICLE 19 – ACCESS AND AUDITS**

The Consultant shall maintain adequate records to justify all charges, expenses, and cost incurred in estimating and performing the work for at least three (3) years after completion of this Contract. The City shall have access to such books, records and documents as required in this section for the purpose of inspection or audit during normal business hours, at the Consultant's place of business.

## **ARTICLE 20 – NONDISCRIMINATION**

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status and sexual orientation.

## **ARTICLE 21 – INTERPRETATION**

The language of this Contract has been agreed to by both parties to express their mutual intent and no rule of strict construction shall be applied to either party hereto. The headings are for reference purposes only and shall not affect in any way the meaning or interpretation of this Contract. All personal pronouns used in this Contract shall include the other gender, and the singular, the plural, and vice versa, unless the context otherwise requires.

## **ARTICLE 22 – AUTHORITY TO PRACTICE**

The Consultant hereby represents and warrants that it has and will continue to maintain all licenses and approvals required conducting its business, and that it will at all times conduct its business activities in a reputable manner. Proof of such licenses and approvals shall be submitted to the City's representative upon request.

## **ARTICLE 23 – SEVERABILITY**

If any term or provision of this Contract, or the application thereof to any person or circumstances shall, to any extent be held invalid or unenforceable, to remainder of this Contract, or the application of such terms or provision, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Contract shall be deemed valid and enforceable to the extent permitted by law.

## **ARTICLE 24 – ENTIRETY OF CONTRACTUAL AGREEMENT**

The City and the Consultant agree that this Contract, together with the Exhibits hereto, sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein. It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and off equal dignity herewith. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto in accordance with Article 25 – Modification of Work. In the event of any conflict or inconsistency between this Contract and the provisions in the incorporated Exhibits, the terms of this Contract shall supersede and prevail over the terms in the Exhibits.

## **ARTICLE 25 – MODIFICATION OF SCOPE OF WORK**

The City reserves the right to make changes in the Scope of Work, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the City's notification of a contemplated change, the Consultant shall, in writing: (1) provide a detailed estimate for the increase or decrease in cost due to the contemplated change; (2) notify the City of any estimated change in the completion date; and (3) advise the City if the contemplated change shall affect the Consultant's ability to meet the completion dates or schedules of this Contract.

If the City so instructs in writing, the Consultant shall suspend work on that portion of the Scope of Work affected by a contemplated change, pending the City's decision to proceed with the change.

If the City elects to make the change, the City shall initiate a Work Authorization Amendment and the Consultant shall not commence work on any such change until such written amendment is signed by the Consultant and the City Manager, and if such amendment is in excess of ,000, it must also first be approved by the City Commission and signed by the appropriate City Official authorized by the City Commission

The City shall not be liable for payment of any additional or modified work, which is not authorized in the manner provided for by this Article.

## **ARTICLE 26 – NOTICE**

All notices required in this Contract shall be sent by certified mail, return receipt requested, to the following:

### **FOR CITY:**

City Manager  
City of Pompano Beach  
Post Office Drawer 1300  
Pompano Beach, Florida 33061

**FOR CONSULTANT:**

3660 Maguire Boulevard  
Suite 200  
Orlando, 32803

**ARTICLE 27 – OWNERSHIP OF DOCUMENTS**

All finished or unfinished documents, data, reports, studies, surveys, drawings, maps, models and photographs prepared or provided by the Consultant in connection with this Contract shall become property of the City, whether the project for which they are made is completed or not, and shall be delivered by Consultant to City within ten (10) days of notice of termination. If applicable, City may withhold any payments then due to Consultant until Consultant complies with the provisions of this section.

**ARTICLE 28 – PROMOTING PROJECT OBJECTIVES**

Consultant, its employees, subcontractors, and agents shall refrain from acting adverse to the City's interest in promoting the goals and objectives of the projects. Consultant shall take all reasonable measures necessary to effectuate these assurances. In the event Consultant determines it is unable to meet or promote the goals and objectives of the projects, it shall immediately notify the City and the City, may then in its discretion, terminate this Contract.

**ARTICLE 29 – PUBLIC ENTITY CRIMES ACT**

As of the full execution of this Contract, Consultant certifies that in accordance with §287.133, Florida Statutes, it is not on the Convicted Vendors List maintained by the State of Florida, Department of General Services. If Consultant is subsequently listed on the Convicted Vendors List during the term of this Contract, Consultant agrees it shall immediately provide City written notice of such designation in accordance with Article 26 above.

**ARTICLE 30 – GOVERNING LAW**

This Contract has been and shall be construed as having been made and delivered within the State of Florida, and it is agreed by each party hereto that this Contract shall be governed by the laws of the State of Florida, both as to interpretation and performance. Any action at law, or in equity, shall be instituted and maintained only in courts of competent jurisdiction in Broward County, Florida.

**ARTICLE 31 – EMPLOYMENT ELIGIBILITY**

By entering into this Contract, the Consultant becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility." This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly

hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit or County Court no later than 20 calendar days after the date of termination. If this contract is terminated for a violation of the statute by the Consultant, the Consultant may not be awarded a public contract for a period of 1 year after the date of termination

#### **ARTICLE 32 - BINDING EFFECT**

The benefits and obligations imposed pursuant to this Contract shall be binding and enforceable by and against the parties hereto.

**THE REMAINDER OF THE PAGE IS INTENTIONALLY LEFT BLANK**

**“CITY”**

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed the day and year hereinabove written.

Attest:

**CITY OF POMPANO BEACH**

\_\_\_\_\_  
ASCELETA HAMMOND, CITY CLERK

By: \_\_\_\_\_  
REX HARDIN, MAYOR

APPROVED AS TO FORM:

By: \_\_\_\_\_  
GREGORY P. HARRISON, CITY MANAGER

\_\_\_\_\_  
MARK E. BERMAN, CITY ATTORNEY

(SEAL)

“CONSULTANT”

**Kimley-Horn and Associates, Inc.**

Witnesses:

Brandon Kern  
Signature

Brandon Kern  
Name Typed, Printed or Stamped

By: Marwan H. Mufleh  
Marwan H. Mufleh, Senior Vice President

Jacob Lennertz  
Signature

Jacob Lennertz  
Name Type, Printed or Stamped

STATE OF FLORIDA  
COUNTY OF PALM BEACH

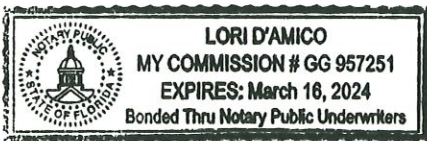
The foregoing instrument was acknowledged before me, by means of  physical presence or  online notarization, this 21 day of July, 2022 by Marwan Mufleh, as Senior Vice President of Kimley-Horn and Associates, Inc., a North Carolina foreign profit corporation, authorized to do business in Florida, on behalf of the corporation. He is personally known to me or who has produced \_\_\_\_\_ (type of identification) as identification.

NOTARY'S SEAL:

Lori D'Amico  
NOTARY PUBLIC, STATE OF North Carolina

Lori D'Amico  
(Name of Acknowledger Typed, Printed or Stamped)

GG957251  
Commission Number







Florida's Warmest Welcome

**CITY OF POMPANO BEACH  
REQUEST FOR LETTERS OF INTEREST  
E-10-22**

**CONTINUING CONTRACTS FOR  
AIRPARK ENGINEERING SERVICES**

**VIRTUAL ZOOM OPENING:  
March 31, 2022, 2:00:00 P.M.**

**For access go to:**

**<https://pompanobeachfl.gov/pages/meetings>**

Issue Date: February 14, 2022

**CITY OF POMPANO BEACH, FLORIDA**  
**REQUEST FOR LETTERS OF INTEREST**  
**E-10-22**

**CONTINUING CONTRACTS FOR AIRPARK ENGINEERING SERVICES**

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act", the City of Pompano Beach (the "City") invites qualified engineering companies/firms to submit qualifications and experience for consideration to provide engineering services at the Pompano Beach Airpark on a continuing as-needed basis.

The City will receive sealed proposals until **2:00:00 p.m. (local), March 31, 2022**. Proposals must be submitted electronically through the eBid System on or before the due date and time as provided herein. Any proposal received after the due date and time specified will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this Solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://www.pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum. To attend the virtual public meeting, go to <https://www.pompanobeachfl.gov/pages/meetings> to find the zoom link.

**Introduction**

The City is seeking qualified engineering companies/firms to work on various projects for the City. The projects range in magnitude from small-scale to large or specialized designs.

**The types of projects to be undertaken may include, but are not limited to the following:**

- Engineering design and construction management/inspection
- Surveying
- Environmental
- Structural
- Mechanical

- Electrical
- Geotechnical testing and analysis
- Cost estimating and scheduling
- Grant support services
- Site plan review and analysis
- Environmental Assessment
- Environmental Impact Statement preparation
- Land use review
- Zoning review
- Tall structures evaluation
- Terminal Approach procedures (TERP's)
- Federal Aviation Regulations (FAR) Part 77 evaluation
- Related aviation support functions
- Bidding services
- Architectural and landscape architectural services
- Design studies to establish the framework and detailed work program
- Airport data collection and facility inventories
- Aeronautical activity forecasts and demand/capacity analyses
- Facility requirements determination
- Airfield modeling for capacity and delay
- Airport layout and terminal area plan development
- Airport noise studies under 14 CFR parts 150 and 161
- Compatible land-use planning in the vicinity of airports
- Airport site selection studies

- Airport development schedules and cost estimates
- Airport financial planning and benefit cost analysis
- Participation in public information and community involvement programs and/or public hearings relating to airport development and planning projects
- Environmental assessments (EA)
- Environmental impact statements (EIS)
- Other studies in accordance with FAA Orders 5050.4 and 1050.1, airspace analysis.

The preceding list of projects are intended to encompass the design and construction of capital improvement projects at the Pompano Beach Airpark. These projects have been selected from the City's 5-year Capital Improvement Plan. The City's approved Capital Improvement Plan (CIP) is included in the 2022 Adopted Operating budget and may be found at the following link: <https://www.pompanobeachfl.gov/government/budget>

#### **A. Scope of Services**

The City intends to engage one or more qualified professional companies/firms to provide continuing professional services to the City various projects as-needed. Professional services under this agreement/contract will be restricted to those required for any project for which construction costs will not exceed \$4 million and for any study activity for which fees will not exceed \$500,000.00.

The scope of services may include, but is not limited to, the following;

- Prepare preliminary design reports and/or design alternative recommendations. These reports may include various types of utility modeling, surveying and field data analysis.
- Prepare all required bidding/construction documents for air field-related projects. This may include the preparation of surveys, design plans and construction documents, technical specifications, and cost estimates. Attendance at required pre-design, design, bidding and bid award meeting may also be required.
- Attend pre-bid conference, prepare possible bid addenda for contract document revisions. Assist in making bid award recommendations for contracting/construction services.
- Prepare all required permit applications and submittal packages as required for permit issuance of all agency permits (i.e. Federal, State, County and City).
- Preparing grant applications and obtaining grant funding through the Federal Aviation Administration and Florida Department of Transportation.
- Provide construction engineering/management/administration services for projects. Services during construction may include shop drawing/contractor submittal reviews and approvals, inspection and approval of project improvements, certification of

- projects for various permitting entities, possible field revisions, and review and approval of contractor pay applications.
- Provide project close-out services. This may include preliminary and final acceptance of projects, preparation and approval of punch list items and project certification as required to all permitting agencies.

The above projects and services represent the general types of projects that may be included in this Request for Letters of Interest (RLI). Task Orders may be issued for similar work or for services required for the development, operation and maintenance of the Pompano Beach Airpark.

Companies/Firms must have previous general engineering aviation experience and must be licensed to practice Professional Engineering in the State of Florida, Florida State Statute 471, by the Board of Professional Regulation.

**B. Task/Deliverables**

Tasks and deliverables will be determined per project. Each project shall require a signed Work Authorization (WA) form from the awarded company/firm to be provided to the City. Forms shall be completed in their entirety and include the agreed upon scope, tasks, schedule, cost, and deliverables for the project. Awarded company(ies)/firm(s) will be required to provide all applicable insurance requirements.

**C. Term of Agreement/Contract**

The Term of this Agreement/Contract is expected to be for an initial period of five (5) years from the date of execution by both the City and the company/firm. City reserves the right to negotiate the term of its respective agreement/contract with the awarded company(ies)/firm(s).

**D. Project Web Requirements:**

1. This project will utilize e-Builder Enterprise<sup>TM</sup>, a web-based project management tool. This web-based application is a collaboration tool, which will allow all project team members continuous access through the Internet to important project data as well as up to the minute decision and approval status information.

e-Builder Enterprise<sup>TM</sup> is a comprehensive project and program management system that the City will use to manage all project documents, communications and costs between the lead consultant, sub-consultants, design consultants, contractors and City. e-Builder Enterprise<sup>TM</sup> includes extensive reporting capabilities to facilitate detailed project reporting in a web-based environment that is accessible to all parties and easy to use. Training will be provided for all company(ies)/firm(s) selected to provide services for the City of Pompano Beach.

2. Lead and sub-consultants shall conduct project controls outlined by the City, project manager, and/or construction manager, utilizing e-Builder Enterprise<sup>TM</sup>. **The designated web-based**

**application license(s) shall be provided by the City to the prime consultant and sub-consultants.** No additional software will be required.

The lead consultant and sub-consultants shall have the responsibility for logging into the project website on a daily basis, and as necessary to be kept fully apprised of project developments and required action items. These may include but are not limited to: Contracts, Contract Exhibits, Contract Amendments, Drawing Issuances, Addenda, Bulletins, Permits, Insurance & Bonds, Safety Program Procedures, Safety Notices, Accident Reports, Personnel Injury Reports, Schedules, Site Logistics, Progress Reports, Correspondence, Daily Logs, Non-Conformance Notices, Quality Control Notices, Punch Lists, Meeting Minutes, Requests for Information, Submittal Packages, Substitution Requests, Monthly Payment Request Applications, Supplemental Instructions, City Change Directives, Potential Change Orders, Change Order Requests, Change Orders and the like. All supporting data including but not limited to shop drawings, product data sheets, manufacturer data sheets and instructions, method statements, safety SDS sheets, Substitution Requests and the like will be submitted in digital format via e-Builder Enterprise™.

#### **E. Required Proposal Submittal**

Sealed proposals shall be submitted electronically through the eBid System on or before the due date and time as provided herein. Proposer shall upload response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 10 MB, the response must be split and uploaded as two (2) separate files.

**Information to be included in the proposal:** In order to maintain comparability and expedite the review process, it is required that proposals be organized in the manner specified below, with the sections clearly labeled.

**Title page:**

Show the project name and number, the name of the Proposer's company/firm, address, telephone number, name of contact person and the date.

**Table of Contents:**

Include a clear identification of the material by section and by page.

**Letter of Transmittal:**

Briefly state the Proposer's understanding of the project and express a positive commitment to provide the services described herein. State the name(s) of the person(s) who will be authorized to make representations for the Proposer, their title(s), office and E-mail addresses and telephone numbers. Please limit this section to two (2) pages.

**Technical Approach:**

Companies/Firms or teams shall submit their technical approach to the tasks described in the scope, including details of how each phase of the project would be completed, and how their company/firm proposes to maintain time schedules and cost controls.

**Schedule:**

Proposer shall provide a timeline that highlights proposed tasks that will meet all applicable deadlines.

**References:**

References for past projects in the tri-county area (Broward, Palm Beach, and Miami-Dade). Describe the scope of each project in physical terms and by cost, describe the Proposer's responsibilities, and provide the contact information (name, email, telephone number) of an individual in a position of responsibility who can attest to Proposer's activities in relation to the project.

List any prior projects performed for the City of Pompano Beach.

**Project Team Form:**

Submit a completed "Project Team" form. The purpose of this form is to identify the key members of the proposed team, including any specialty subconsultants.

**Organizational Chart:**

Specifically, identify the management plan (if needed) and provide an organizational chart for the project team. The Proposer must describe at a minimum, the basic approach to these projects, to include reporting hierarchy of staff and sub-consultants, clarify the individual(s) responsible for the coordination of separate components of the scope of services.

**Statement of Skills and Experience of Project Team:**

Describe the experience of the entire project team as it relates to the types of projects described in the Scope of Services section of this solicitation. Include the experience of the prime consultants as well as other members of the project team; i.e., additional personnel, sub-consultants, branch office, team members, and other resources anticipated to be utilized for this project. Name specific projects [successfully completed within the past five (5) years] where the team members have performed similar projects previously.

**Resumes of Key Personnel:**

Include resumes for key personnel for prime and subconsultants.

**Office Locations:**

Identify the location of the office from which services will be rendered, and the number of professional and administrative staff at the prime office location. Also, identify the location of office(s) of the prime and/or sub consultants that may be utilized to support any or all of the professional services listed above and the number of professional and administrative staff at the prime office location.

If companies/firms are situated outside the local area (Broward, Palm Beach, and Miami-Dade counties), include a brief statement as to whether or not the companies/firms will arrange for a local office during the term of the agreement/contract, if necessary.

**Litigation:**

Disclose any litigation within the past five (5) years arising out your companies/firm's performance, including status/outcome.

**City Forms:**

The Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System. The City reserves the right to request additional information to ensure the Proposer is financially solvent and has sufficient financial resources to perform the agreement/contract and shall provide proof thereof of its financial solvency. The City may at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting agreement/contract and provide the required materials and/or services.

**Reviewed and Audited Financial Statements:**

Proposers shall be financially solvent and appropriately capitalized to be able to service the City for the duration of the agreement/contract. Proposers shall provide a complete financial statement of the company's/firm's most recent audited financial statements, indicating organization's financial condition. Must be uploaded to the Response Attachments tab in the eBid System as a separate file titled "FINANCIAL STATEMENTS" and marked "CONFIDENTIAL".

Financial statements provided shall not be older than twelve (12) months prior to the date of filing this solicitation's response. The financial statements are to be reviewed and submitted with any accompanying notes and supplemental information. The City of Pompano Beach reserves the right to reject financial statements in which the financial condition shown is of a date twelve (12) months or more prior to the date of submittals.

The City is a public agency subject to Chapter 119, Florida's Public Records Law, and is required to provide the public with access to public records, however, financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure.

The City reserves the right to request additional information to ensure the Proposer is financially solvent and has sufficient financial resources to perform the agreement/contract and shall provide proof thereof of its financial solvency. The City may at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting agreement/contract and provide the required materials and/or services.

A combination of two (2) or more of the following may substitute for audited financial statements:



- 1) Bank letters/statements for the past three (3) months
- 2) Balance sheet, profit and loss statement, cash flow report
- 3) IRS returns for the last two (2) years
- 4) Letter from CPA showing profits and loss statements (certified)

**F. Insurance**

The contractor/consultant shall not commence services under the terms of this agreement/contract until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the City's Risk Manager. If you are responding to a solicitation and have questions regarding the insurance requirements, please contact the City's Purchasing Division of the General Services Department at (954) 786-4098. If the agreement/contract has already been awarded, please direct any inquiries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

Contractor/Consultant is responsible to deliver to the City for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the City as an additional insured on all such coverage.

Throughout the term of this agreement/contract, the City, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this agreement/contract, including limits, coverages or endorsements. The City reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as the City review or acceptance of insurance maintained by contractor/consultant, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by the contractor/consultant under this agreement/contract.

Throughout the term of this agreement/contract, the contractor/consultant and all sub-contractors/sub-consultants or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements:

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. The contractor/consultant further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.
2. Liability Insurance.

- (a) Naming the City of Pompano Beach as an additional insured as City's interests may appear, on General Liability Insurance only, relative to claims which arise from the proposer's negligent acts or omissions in connection with contractor/consultant's performance under this agreement/contract.
- (b) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

<b>Type of Insurance</b>	<b>Limits of Liability</b>
<b>GENERAL LIABILITY:</b>	Minimum \$1,000,000 Per Occurrence and \$2,000,000 Per Aggregate
* Policy to be written on a claims incurred basis	
XX comprehensive form	bodily injury and property damage
XX premises - operations	bodily injury and property damage
___ explosion & collapse hazard	
___ underground hazard	
XX products/completed operations hazard	bodily injury and property damage combined
XX contractual insurance	bodily injury and property damage combined
XX broad form property damage	bodily injury and property damage combined
XX independent contractors'	personal injury
XX personal injury	
___ sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate
___ liquor legal liability	Minimum \$1,000,000 Per Occurrence and Aggregate
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<b>AUTOMOBILE LIABILITY:</b>	Minimum \$1,000,000 Per Occurrence and Aggregate. Bodily injury (each person) bodily injury (each accident), Property damage, bodily injury and property damage combined.
XX comprehensive form	
XX owned	
XX hired	
XX non-owned	
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<b>REAL &amp; PERSONAL PROPERTY</b>	
___ comprehensive form	Agent must show proof they have this coverage.
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<b>EXCESS LIABILITY</b>	Per Occurrence    Aggregate

___	other than umbrella	bodily injury and property damage combined	\$1,000,000	\$1,000,000
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**PROFESSIONAL LIABILITY**

Per Occurrence    Aggregate

XX	* Policy to be written on a claims made basis		\$1,000,000	\$1,000,000
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(c) If Professional Liability insurance is required, the Consultant agrees the indemnification and hold harmless provisions set forth in the agreement/contract shall survive the termination or expiration of the agreement/contract for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

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**CYBER LIABILITY**

Per Occurrence    Aggregate

___	* Policy to be written on a claims made basis		\$1,000,000	\$1,000,000
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- \_\_\_ Network Security / Privacy Liability
- \_\_\_ Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)
- \_\_\_ Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology related services and or products)
- \_\_\_ Coverage shall be maintained in effect during the period of the agreement/contract and for not less than four (4) years after termination/ completion of the agreement/contract.

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3. Employer's Liability. If required by law, the Consultant and all sub-contractors/sub-consultant shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

4. Policies: Whenever, under the provisions of this agreement/contract, insurance is required of the Awarded Proposer, the Awarded Proposer shall promptly provide the following:

- (a) Certificates of Insurance evidencing the required coverage;
- (b) Names and addresses of companies providing coverage;
- (c) Effective and expiration dates of policies; and

(d) A provision in all policies affording thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

5. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company/firm shall provide thirty (30) days written notice to the City.

6. Waiver of Subrogation. The awarded company/firm hereby waives any and all right of subrogation against the City, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement/contract to waive subrogation without an endorsement, then, awarded company/firm shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy, which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should Awarded Proposer enter into such an agreement/contract on a pre-loss basis.

### **G. Selection/Evaluation Process**

A Selection/Evaluation Committee (Committee) will be appointed to select the most qualified company(ies)/ firm(s). The Committee will present their findings to the City Commission.

Proposals will be evaluated using the following criteria:

<b>Line</b>	<b>Criteria</b>	<b>Point Range</b>
1	Prior experience of the company/firm with projects of similar size and complexity: <ul style="list-style-type: none"> <li>a. Number of similar projects</li> <li>b. Complexity of similar projects</li> <li>c. References from past projects performed by the company/firm</li> <li>d. Previous projects performed for the City (provide description)</li> <li>e. Litigation within the past five (5) years arising out of company's/firm's performance (list, describe outcome)</li> </ul>	0-40
2	Qualifications of personnel including sub-contractor/sub-consultants: <ul style="list-style-type: none"> <li>a. Organizational chart for project</li> <li>b. Number of technical staff</li> <li>c. Qualifications of technical staff:</li> <li>e. Number of licensed staff</li> <li>d. Education of staff</li> <li>e. Experience of staff on similar projects</li> </ul>	0-35
3	Proximity of the nearest office to the project location: <ul style="list-style-type: none"> <li>a. Location</li> </ul>	0-15

b. Number of staff at the nearest office

- 4 Is the company/firm a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985? (Certification of any sub-contractor/sub-consultants should also be included with the response.) 0-10

Total 100

**NOTE:**

Financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation, and are not required by the City, may be subject to public disclosure.

The City Commission has the authority to (including, but not limited to); approve the recommendation; reject the recommendation and direct staff to re-advertise this solicitation; or, review the responses themselves and/or request oral presentations and determine a ranking order that may be the same or different from what was originally presented to the City Commission.

**H. Hold Harmless and Indemnification**

Proposer covenants and agrees that it will indemnify, defend, save and hold harmless the City, its officials, employees, volunteers and other authorized agents and the CRA from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City and the CRA to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this contract. To the extent considered necessary by City and the CRA, any sums due Consultant hereunder may be retained by City and the CRA until all of City's claims for indemnification hereunder have been settled or otherwise resolved with awarded company(ies)/firm(s), and any amount withheld shall not be subject to payment or interest by City and the CRA.

**I. Right to Audit**

Awarded company's/firm's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, sub-contract/sub-consultants files (including proposals of successful and unsuccessful proposers), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to the agreement/contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by

City's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the Awarded Proposer or any of its payees pursuant to the execution of the agreement/contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with the agreement/contract.

For the purpose of such audits, inspections, examinations and evaluations, the City's agent or authorized representative shall have access to said records from the effective date of the agreement/contract, for the duration of the service, and until five (5) years after the date of final payment by the City to awarded company/firm pursuant to the agreement/contract.

The City agent or its authorized representative shall have access to the awarded company's/firm's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. The City agent or its authorized representative shall give auditees reasonable advance notice of intended audits.

The awarded company/firm shall require all sub-contractor/sub-consultants, insurance agents, and material suppliers (payees) to comply with the provisions of this article by insertion of the requirements hereof in any written agreement/contract. Failure to obtain such written agreements/contracts which include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the contractor/consultant pursuant to the agreement/contract.

**J. Retention of Records and Right to Access**

The City is a public agency subject to Florida Statutes Chapter 119. The awarded company/firm shall comply with Florida's Public Records Law, as amended. Specifically, the awarded company/firm shall:

1. Keep and maintain public records required by the City in order to perform the service;
2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida Statutes Chapter 119, or as otherwise provided by law;
3. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
4. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the agreement/contract term and following completion of the agreement/contract if the awarded company/firm does not transfer the records to the City; and

5. Upon completion of the agreement/contract, transfer, at no cost to the City, all public records in possession of the awarded company/firm, or keep and maintain public records required by the City to perform the service. If the awarded company/firm transfers all public records to the City upon completion of the agreement/contract, the awarded company/firm shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the awarded company/firm keeps and maintains public records upon completion of the agreement/contract, the awarded company/firm shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

**K. Communications**

No negotiations, decisions, or actions shall be initiated or executed by the company/firm as a result of any discussions with any City employee. Only those communications, which are in writing from the City, may be considered as a duly authorized expression on behalf of the City. In addition, only communications, which are in writing from an authorized representative of the company/firm will be recognized by the City as duly authorized expressions on behalf of the respective company/firm.

**L. No Discrimination**

There shall be no discrimination as to race, sex, color, age, religion, or national origin in the operations conducted under any agreement/contract with the City.

**M. Independent Contractor**

The awarded company/firm will conduct business as an independent contractor/consultant under the terms of the agreement/contract. Personnel services provided by the awarded company/firm shall be by employees of the awarded company/firm and subject to supervision by the awarded company/firm, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under the agreement/contract shall be those of the awarded company/firm.

**N. Staff Assignment**

The City of Pompano Beach reserves the right to approve or reject, for any reasons, Proposer's staff assigned to this project at any time. Background checks may be required.

**O. Agreement/Contract Terms**

The agreement/contract resulting from this solicitation shall include, but not be limited to the following terms:

The agreement/contract shall include as a minimum, the entirety of this solicitation, together with the awarded proposal. The agreement/contract shall be prepared by the City of Pompano Beach City Attorney.

If the City defends any claim, demand, cause of action, or lawsuit arising out of any act, action, negligent acts or negligent omissions, or willful misconduct of the contractor/consultant, its employees, agents or servants during the performance of the agreement/contract, whether directly or indirectly, awarded company/firm agrees to reimburse the City for all expenses, attorney's fees, and court costs incurred in defending such claim, cause of action or lawsuit.

**P. Waiver**

It is agreed that no waiver or modification of the agreement./contract resulting from this solicitation, or of any covenant, condition or limitation contained in it shall be valid unless it is in writing and duly executed by the party to be charged with it, and that no evidence of any waiver or modification shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising out of or affecting the agreement/contract, or the right or obligations of any party under it, unless such waiver or modification is in writing, duly executed as previously provided. The parties agree that the provisions of this paragraph may not be waived except by a duly executed writing.

**Q. Survivorship Rights**

The agreement/contract resulting from this solicitation shall be binding on and inure to the benefit of the respective parties and their executors, administrators, heirs, personal representative, successors and assigns.

**R. Manner of Performance**

Proposer agrees to perform its duties and obligations under the agreement/contract resulting from this solicitation in a professional manner and in accordance with all applicable local, federal and state laws, rules and regulations.

Proposer agrees that the services provided under the agreement/contract resulting from this solicitation shall be provided by employees that are educated, trained and experienced, certified and licensed in all areas encompassed within its designated duties. Proposer agrees to furnish the City of Pompano Beach with all documentation, certification, authorization, license, permit, or registration currently required by applicable laws or rules and regulations. Proposer further certifies that it and its employees are now in and will maintain good standing with such governmental agencies and that it and its employees will keep all licenses, permits, registration, authorization or certification required by applicable laws or regulations in full force and effect during the term of the agreement/contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of agreement/contract.



**S. Acceptance Period**

Proposals submitted in response to this solicitation must be valid for a period no less than one hundred and twenty (120) days from the closing date of this solicitation.

**T. Conditions and Provisions**

The completed proposal (together with all required attachments) must be submitted electronically to the City on or before the time and date as written herein. All proposers, by electronic submission of a proposal, shall agree to comply with all of the conditions, requirements and instructions of this solicitation as written or implied herein. All proposals and supporting materials submitted will become the property of the City.

Proposer's response shall not contain any alteration to the document posted other than entering data in spaces provided or including attachments as necessary. By submission of a response, Proposer affirms that a complete set of solicitation documents was obtained from the eBid System only and no alteration of any kind has been made to this solicitation. Exceptions or deviations to this proposal may not be added after the due date.

All proposers are required to provide all information requested in this solicitation. Failure to do so may result in disqualification of the proposal.

The City reserves the right to postpone or cancel this solicitation, or reject all proposals, if in its sole discretion it deems it to be in the best interest of the City to do so.

The City reserves the right to waive any technical or formal errors or omissions and to reject all proposals, or to award agreement/contract for the items herein, in part or whole, if it is determined to be in the best interests of the City to do so.

The City shall not be liable for any costs incurred by the Proposer in the preparation of proposals or for any work performed in connection therein.

**U. Standard Provisions****1. Governing Law**

Any agreement/contract resulting from this solicitation shall be governed by the laws of the State of Florida, and the venue for any legal action relating to such agreement/contract will be in Broward County, Florida.

**2. Licenses**

In order to perform public work, the awarded company/firm shall:  
Be licensed to do business in Florida, if an entity, and hold or obtain such Contractor and Business Licenses if required by State Statutes or local ordinances.

3. Conflict of Interest

For purposes of determining any possible conflict of interest, each Proposer must disclose if any Elected Official, Appointed Official, or City Employee is also an owner, corporate officer, or an employee of the company/firm. If any Elected Official, Appointed Official, or City Employee is an owner, corporate officer, or an employee, the Proposer must file a statement with the Broward County Supervisor of Elections pursuant to, Florida Statute, Section 112.313.

4. Drug Free Workplace

The awarded company(ies)/firm(s) will be required to verify it will operate a “Drug Free Workplace” as set forth in Florida Statute, Section 287.087.

5. Public Entity Crimes

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a proposal on a agreement/contract to provide any goods or services to a public entity, may not submit a proposal on an agreement/contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, sub-contractor, consultant or sub-consultant under agreement/contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute, Section 287.017, for Category Two for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

6. Patent Fees, Royalties, And Licenses

If the awarded company/firm requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright, the awarded company/firm and his surety shall indemnify and hold harmless the City from any and all claims for infringement by reason of the use of any such patented design, device, trademark, copyright, material or process in connection with the work agreed to be performed and shall indemnify the City from any cost, expense, royalty or damage which the City may be obligated to pay by reason of any infringement at any time during or after completion of the work.

7. Permits

The Awarded Proposer shall be responsible for obtaining all permits, licenses, certifications, etc., required by federal, state, county, and municipal laws, regulations, codes, and ordinances for the performance of the work required in these specifications and to conform to the requirements of said legislation.

8. Familiarity with Laws

It is assumed the selected company(ies)/firm(s) will be familiar with all federal, state and local laws, ordinances, rules and regulations that may affect its/their services pursuant to this solicitation. Ignorance on the part of the company/firm will in no way relieve the company/firm from responsibility.

9. Withdrawal of Proposals

A company/firm may withdraw its proposal without prejudice no later than the advertised deadline for submission of proposals by written communication to the General Services Department, 1190 N.E. 3<sup>rd</sup> Avenue, Building C, Pompano Beach, Florida 33060.

10. Composition of Project Team

Company(ies)/Firm(s) are required to commit that the principals and personnel named in the proposal will perform the services throughout the contractual term unless otherwise provided for by way of a negotiated agreement/contract or written amendment to same executed by both parties. No diversion or substitution of principals or personnel will be allowed unless a written request that sets forth the qualifications and experience of the proposed replacement(s) is submitted to and approved by the City in writing.

11. Invoicing/Payment

All invoices should be sent to City of Pompano Beach, Accounts Payable, P.O. Drawer 1300, Pompano Beach, Florida 33061. In accordance with Florida Statutes, Chapter 218, payment will be made within forty-five (45) days after receipt of a proper invoice.

12. Public Records

- a. The City of Pompano Beach is a public agency subject to Florida Statutes, Section 119. The awarded company/firm shall comply with Florida's Public Records Law, as amended. Specifically, the Awarded Proposer shall:
  - i. Keep and maintain public records required by the City in order to perform the service;
  - ii. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida Statutes, Section 119 or as otherwise provided by law;

- iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the agreement/contract term and following completion of the agreement/contract if the awarded company/firm does not transfer the records to the City; and
  - iv. Upon completion of the agreement/contract, transfer, at no cost to the City, all public records in possession of the awarded company/firm, or keep and maintain public records required by the City to perform the service. If the awarded company/firm transfers all public records to the City upon completion of the agreement/contract, the awarded company/firm shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the awarded company/firm keeps and maintains public records upon completion of the agreement/contract, the contractor/consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.
- b. Failure of the contractor/consultant to provide the above described public records to the City within a reasonable time may subject contractor/consultant to penalties under Florida Statute Section 119.10, as amended.

## **PUBLIC RECORDS CUSTODIAN**

**IF THE CONTRACTOR/CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S/CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT/CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK  
100 W. Atlantic Blvd., Suite 253  
Pompano Beach, Florida 33060  
(954) 786-4611  
[RecordsCustodian@copbfl.com](mailto:RecordsCustodian@copbfl.com)**

**V. Questions and Communication**

All questions regarding this solicitation are to be submitted using the Questions feature in the eBid System. Questions must be received at least seven (7) calendar days before the due date and time as specified herein. Oral and other interpretations or clarifications will be without legal effect. Addendum/Addenda will be posted to this solicitation in the eBid System, and it is the proposer's responsibility to obtain all addenda before submitting a response to this solicitation.

**W. Addenda**

The issuance of a written addendum or posting of an answer in response to a question submitted using the Questions feature in the eBid System are the only official methods whereby interpretation, clarification, or additional information can be given. If any addendum is issued to this solicitation, the addendum will be issued via the eBid System. It shall be the responsibility of each proposer, prior to submitting its response, to contact the City's Purchasing Division of the General Services Department at (954) 786-4098 to determine if addendum was issued and to make such addendum a part of its proposal. Each addendum will be posted to the solicitation in the eBid System.

**X. Contractor Performance Report**

The City will utilize the Contractor Performance Report to monitor and record the awarded company's/firm's performance for the work specified by the agreement/contract. The Contractor Performance Report has been included as Exhibit to this solicitation.

## PROPOSER INFORMATION FORM

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THIS FORM IN ITS ENTIRETY AND INCLUDE THIS COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

**RLI** \_\_\_\_\_, \_\_\_\_\_  
 (Number) (Title)

To: The City of Pompano Beach, Florida

The below named company/firm hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in this solicitation. I have read this solicitation and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept an agreement/contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) \_\_\_\_\_ Title \_\_\_\_\_

Company (Legal Registered) \_\_\_\_\_

Federal Tax Identification Number \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Email Address \_\_\_\_\_

**PROJECT TEAM**

**COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

RLI # \_\_\_\_\_

Federal I.D.# \_\_\_\_\_

**PRIME**

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	_____	_____	_____
Other Key Member	_____	_____	_____

**SUB-CONSULTANT**

Role	Company/Firm Name and Address of Office Handling the Project	Name of Individual Assigned to the Project
Surveying	_____	_____
	_____	_____
Landscaping	_____	_____
	_____	_____
Engineering	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.**

**VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS**

Proposer (Vendor) Name: \_\_\_\_\_

Vendor FEIN: \_\_\_\_\_

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this Solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this Solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify



**CONFLICT OF INTEREST:**

For purposes of determining any possible conflict of interest, all proposers must disclose if any City of Pompano Beach employee is also an owner, corporate officer, or employee of their business. Indicate either "Yes" (a City employee is also associated with your business), or "No". If answer is "Yes", you must file a statement with the Supervisor of Elections, pursuant to Florida Statutes Section 112.313.

No \_\_\_ Yes \_\_\_



**CONTRACTOR PERFORMANCE REPORT**



**City of Pompano Beach, Purchasing Division  
1190 N.E. 3rd Avenue, Building C  
Pompano Beach, Florida, 33060**

**CITY OF POMPANO BEACH  
CONTRACTOR PERFORMANCE REPORT**

- 1. Report Period: from \_\_\_\_\_ to \_\_\_\_\_
- 2. Contract Period: from \_\_\_\_\_ to \_\_\_\_\_
- 3 RLI/P.O. #: \_\_\_\_\_
- 4. Contractor Name: \_\_\_\_\_
- 5. City Department: \_\_\_\_\_
- 6. Project Manager: \_\_\_\_\_
- 7. Scope of Work (Service Deliverables): \_\_\_\_\_  
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## CONTRACTOR PERFORMANCE REPORT

CATEGORY	RATING	COMMENTS
<b>1. Quality Assurance/Quality Control</b> - Product/Services of high quality - Proper oversight - Communication	Poor =1 Satisfactory =2 Excellent =3	
<b>2. Record Keeping</b> -Accurate record keeping -Proper invoicing -Testing results complete	Poor =1 Satisfactory =2 Excellent =3	
<b>3. Close-Out Activities</b> - Restoration/Cleanup - Deliverables met - Punch list items addressed	Poor =1 Satisfactory =2 Excellent =3	
<b>4. Customer Service</b> - City Personnel and Residents - Response time - Communication	Poor =1 Satisfactory =2 Excellent =3	
<b>5. Cost Control</b> - Monitoring subcontractors - Change-orders - Meeting budget	Poor =1 Satisfactory =2 Excellent =3	
<b>6. Construction Schedule</b> - Adherence to schedule - Time-extensions - Efficient use of resources	Poor =1 Satisfactory =2 Excellent =3	
<b>SCORE</b>	_____	<b>ADD ABOVE RATINGS/DIVIDE TOTAL BY NUMBER OF CATEGORIES BEING RATED</b>

### **RATINGS**

**Poor Performance (1.0 – 1.59):** Marginally responsive, effective and/or efficient; delays require significant adjustments to programs; key employees marginally capable; customers somewhat satisfied.

**Satisfactory Performance (1.6 – 2.59):** Generally responsive, effective and/or efficient; delays are excusable and/or results in minor program adjustments; employees are capable and satisfactorily providing service without intervention; customers indicate satisfaction.

**Excellent Performance (2.6 – 3.0):** Immediately responsive; highly efficient and/or effective; no delays; key employees are experts and require minimal direction; customers expectations are exceeded.

Would you select/recommend this contractor again?     Yes     No

Please attach any supporting documents to this report to substantiate the ratings that have been provided.

_____ Ratings completed by (print name)	_____ Ratings completed by Signature	_____ Date
_____ Department Head (print name)	_____ Department Head Signature	_____ Date
_____ Vendor Representative (print name)	_____ Contractor Representative Signature	_____ Date

Comments, corrective actions, etc.; use additional page if necessary:

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**MINORITY BUSINESS ENTERPRISE PARTICIPATION**

RLI # \_\_\_\_\_

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each company/firm listed.

<b>Name of Company/Firm</b>	<b>Certificate Included?</b>



**City of Pompano Beach, Purchasing Division  
1190 N.E. 3rd Avenue, Building C  
Pompano Beach, Florida, 33060**

March 30, 2022

**ADDENDUM #1, RLI E-10-22**

**Continuing Contracts for Airpark Engineering**

To Whom It May Concern,

The following change has been made to the E-10-22 solicitation document:

- Page 12 “Hold Harmless and Indemnification” Section I currently reads:

*Proposer covenants and agrees that it will indemnify and hold harmless the City and the CRA and all of its officers, agents, and employees from any claim, loss, damage, cost, charge or expense arising out of any act, action, neglect or omission by the Proposer, whether direct or indirect, or whether to any person or property to which the City or said parties may be subject, except that neither the Proposer nor any of its sub-contractors/sub-consultant will be liable under this section for damages arising out of injury or damage to persons or property directly caused by or resulting from the sole negligence of the City or the CRA or any of its officers, agents or employees.*

- Page 12 “Hold Harmless and Indemnification” Section I has been revised to read:

*Proposer covenants and agrees that it will indemnify defend, save and hold harmless the City, its officials, employees, volunteers and other authorized agents and the CRA from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City and the CRA to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this contract. To the extent considered necessary by City and the CRA, any sums due Consultant hereunder may be retained by City and the CRA until all of City's claims for indemnification hereunder have been settled or otherwise resolved with awarded company(ies)/firm(s), and any amount withheld shall not be subject to payment or interest by City and the CRA.*

Addendum #1 is posted on the City's eBid website: <http://pompanobeachfl.ionwave.net>. Acknowledge receipt of this Addendum using the Addendum Attribute on the Attributes tab in the eBid System.

The deadline for receipt of written questions has passed.

The deadline for acceptance of proposals in the eBid system is **2:00:00 p.m. (local), March 31, 2022.**

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jeff English, Purchasing Agent

cc: website



**Supplier Award**  
**E-10-22 Addendum 1**  
**Continuing Contracts for Airpark Engineering**  
**Award Date: 5/10/22**  
**Kimley-Horn and Associates, Inc.**

**Contact Information**

Contact: Jeff English  
Address: Purchasing  
1190 NE 3rd Avenue  
Building C  
Pompano Beach, FL 33060  
Phone: (954) 786-4098  
Fax: (954) 786-4168  
Email: [purchasing@copbfl.com](mailto:purchasing@copbfl.com)

**Kimley-Horn and Associates, Inc.**

Address: 189 South Orange Ave., Suite 1000  
Suite 200  
Orlando, FL 32801  
Phone: (407) 898-1511





## E-10-22 Addendum 1

### Kimley-Horn and Associates, Inc.

### Supplier Response

#### Event Information

Number: E-10-22 Addendum 1  
 Title: Continuing Contracts for Airpark Engineering  
 Type: Request for Letters of Interest  
 Issue Date: 2/14/2022  
 Deadline: 3/31/2022 02:00 PM (ET)  
 Notes: Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act", the City of Pompano Beach (the "City") invites qualified engineering companies/firms to submit qualifications and experience for consideration to provide engineering services at the Pompano Beach Airpark on a continuing as-needed basis. The City will receive sealed proposals until **2:00:00 p.m. (local), March 31, 2022**. Proposals must be submitted electronically through the eBid System on or before the due date and time as provided herein. Any proposal received after the due date and time specified will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the proposer. Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this Solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://www.pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum. To attend the virtual public meeting, go to

<https://www.pompanobeachfl.gov/pages/meetings> to find the zoom link.

## Contact Information

Contact: Jeff English  
Address: Purchasing  
1190 NE 3rd Avenue  
Building C  
Pompano Beach, FL 33060  
Phone: (954) 786-4098  
Fax: (954) 786-4168  
Email: [purchasing@copbfl.com](mailto:purchasing@copbfl.com)

## Kimley-Horn and Associates, Inc. Information

Address: 189 South Orange Ave., Suite 1000  
Suite 200  
Orlando, FL 32801  
Phone: (407) 898-1511  
Web Address: www.kimley-horn.com

By submitting this Response I affirm I have received, read and agree to the all terms and conditions as set forth herein. I hereby recognize and agree that upon execution by an authorized officer of the City of Pompano Beach, this Response, together with all documents prepared by or on behalf of the City of Pompano Beach for this solicitation, and the resulting Contract shall become a binding agreement between the parties for the products and services to be provided in accordance with the terms and conditions set forth herein. I further affirm that all information and documentation contained within this response to be true and correct, and that I have the legal authority to submit this response on behalf of the named Supplier (Offeror).

Thomas O'Donnell

Signature

Submitted at 3/31/2022 10:50:05 AM

tom.odonnell@kimley-horn.com

Email

## Requested Attachments

### Proposal

Kimley-Horn\_Continuing Contracts for Airpark\_E-10-22\_FINALv.pdf

Proposer shall upload response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 10 MB, the response must be split and uploaded as two (2) separate files.

### Financial Statements

FINANICAL STATEMENT\_CONFIDENTIAL\_Kimley-Horn.pdf

Must be uploaded to the Response Attachments tab as a separate file. Title "FINANCIAL STATEMENTS" as "CONFIDENTIAL".

## Bid Attributes

### 1 Vendor Certification Regarding Scrutinized Companies Lists (Any Dollar Amount)

Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to electronically sign on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs. Select yes for Agree, No for disagree on the drop down menu.

Yes

### 2 Drug-Free Workplace

Whenever two or more bids which are equal with respect to price, quality, and service are received for the procurement of commodities or contractual service, a bid received from a business that certifies that it has implemented a Drug-free Workplace Program shall be given preference in the award process. If bidder's company has a Drug-free Workplace Program as outlined in General Conditions, section 32., indicate that by selecting yes in the drop down menu.

Yes

**3 Conflict of Interest**

For purposes of determining any possible conflict of interest, all bidders must disclose if any City of Pompano Beach employee is also an owner, corporate officer, or employee of their business. Indicate either "Yes" (a City employee is also associated with your business), or "No". (Note: If answer is "Yes", you must file a statement with the Supervisor of Elections, pursuant to Florida Statutes 112.313.) Indicate yes or no below with the drop down menu.

**4 Acknowledgement of Addenda**

Check this box to acknowledge that you have reviewed all addenda issued for this solicitation.

 Yes (Yes)**5 Terms & Conditions**

Check the box indicating you agree to the terms and conditions of this solicitation.

 Agree (Agree)



City of Pompano Beach  
*Continuing Contracts for*

# AIRPARK

ENGINEERING SERVICES

*E-10-22*

**Kimley»Horn**

Expect More. Experience Better.

AVOC0003.2022

City of Pompano Beach, Florida

*REQUEST FOR LETTERS OF INTEREST*

**Continuing Contracts For Airpark Engineering Services**  
*E-10-22*

**Kimley»Horn**

**Kimley-Horn and Associates, Inc.**

8201 Peters Road  
Suite 2200  
Plantation, FL 33324  
954.535.5100

Thomas O'Donnell, P.E.

*March 31, 2022*



Continuing Contracts for

**AIRPARK** ENGINEERING SERVICES *E-10-22***TABLE OF CONTENTS**

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## SECTION 1

# Letter of Transmittal

March 31, 2022  
Submitted via eBid System

**Jeff English**  
**City of Pompano Beach**  
General Services Department  
1190 N.E. 3rd Avenue, Building C  
Pompano Beach, FL 33060

**Tom O'Donnell, P.E.**  
**Kimley-Horn**  
8201 Peters Road, Suite 2200  
Plantation, FL 33324  
954.535.5100

## RE: CITY OF POMPANO BEACH Continuing Contracts For Airpark Engineering Services; E-10-22

**Kimley-Horn** has a long history of serving the City of Pompano Beach, and in particular with the Pompano Beach Airpark (PMP). Together we have accomplished many tasks including airfield pavement projects covering large portions of the Airpark. The cornerstone of Kimley-Horn's culture is our dedication to serving our clients. We have exemplified this mindset throughout our decades of service to the City. We will continue to do this as we serve you under this multi-year, on-call contract. You can continue to count on us to understand your business and to work proactively with you to help you be more successful.

In addition to the insights we have gained over the many years working with Airpark staff and the personal relationships built, we know that Kimley-Horn is uniquely qualified to perform your general engineering aviation services. When considering whom you would select to be your consultant, we would like to emphasize several key features that separate Kimley-Horn from the competition:



**Unparalleled Experience.** No other consultant has a better knowledge of Pompano Beach Airpark's infrastructure. Kimley-Horn has worked closely with you over the last 17 years. During that tenure, we have been your trusted partner for a diverse field of services including: Updating the Airpark's Master Plan and Airport Layout Plan, rehabilitating many airfield pavements including the Goodyear apron, Taxiways K and G, and Runway 15-33. Additionally, Kimley-Horn has exceptional experience in assisting the City with various airspace analysis matters, including the review of tall buildings proposed by developers versus City ordinances and the Airpark Overlay District.

**With Kimley-Horn you get a consultant who will not require a learning curve to solve your challenges. We have a deep bench of diverse consultants who can assist with any task. We understand the Airpark's goals and we have firsthand knowledge of your infrastructure and will customize the right design to suit your needs. This will save time and money during design and construction.**




**Experienced Project Team.** I, **Tom O'Donnell, P.E.**, will serve as the project manager and primary point of contact with PMP staff. I have more than 22 years of experience in airport engineering, consisting of all facets of airport development, including an extensive knowledge of airfield pavement design, project phasing, construction phase services, airspace analysis, and grant procurement and management. Most of my aviation career has been comprised of serving general aviation facilities, including PMP. My experience has taught me that these facilities have different needs and require a more hands-on innovative approach than larger commercial airports. Being responsive and flexible is vital. I am excited that our team, like me, has served you before and are eager to be your partner for the future.


I am supported by a strong team of professionals who have direct experience at PMP. In assembling this team I placed a strong emphases on: **1) responsiveness, 2) quality, 3) efficient use of budgets to control design and construction costs, and 4) prior successful experience in partnering together.** **Colin Wheeler** has over 15 years of experience in airport/aviation planning and has recently successfully completed PMP's Master Plan and Airport Layout Plan updates. **As the author of these documents, we understand them better than any consultant, which provides us with an unparallel understanding of the Airpark's goals, schedule, and budgets.** **Elizabeth McQueen** has 17 years of experience in airport/aviation planning, airspace analysis, and Advanced Air Mobility (AAM/UAM) planning. Elizabeth is currently serving PMP with performing airspace analysis in support of Pompano's Air Traffic Control Tower Siting Study. **Carlos Maeda, P.E.**, who will be serving as our Principal-in-Charge, is a former Federal Aviation Administration (FAA) Orlando Airport District Office employee. He has extensive relationships with the FAA and will be a valuable asset in the pursuit and managing of discretionary funding. Carlos was instrumental in assisting me with recently working with the FAA to protect \$150,000 in entitlement funding, for the Airpark, which was set to expire.

**With Kimley-Horn you get a consultant who understands your airfield's operations and goals. This is critical to properly phasing construction during design to minimize operational impacts to your tenants. This will simplify the contractor's activities and result in lower construction costs. We also have an excellent understanding of the City's administrative process as it applies to contracts.**





**Local Project Office.** A key ingredient to successful service is a local office. Our Fort Lauderdale office is just minutes from the Airpark and is the home to me and 70 other Kimley-Horn employees based in Broward County. As we have during our current contract, we will be a responsive partner to you and your needs.

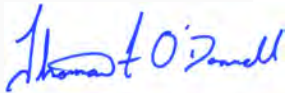


**Expert Subconsultant Partners.** We have added the services of four outstanding subconsultant firms to enhance our project team.

1. **Kenneth Carlson** will provide architectural services.
2. **Quantum Electrical Engineering, Inc. (WBE)** will provide electrical services.
3. **Stoner and Associates (Broward County CBE)** will provide survey.
4. **Tierra South Florida, Inc.** will provide geotechnical and materials testing services.

**Summary.** Our detailed knowledge of you and the Airpark, experience, and responsive service—coupled with the resources of a national leader in the aviation consulting industry—make the Kimley-Horn team the best candidate for this contract. We offer unmatched client service from our local Fort Lauderdale office, broad experience in airport design and planning, exceptional resources, commitment to quality, and knowledge of your goals. We welcome the opportunity to continue our partnership with the Pompano Beach Airpark.

Very Truly Yours,  
KIMLEY-HORN AND ASSOCIATES, INC.



Thomas O'Donnell, P.E.  
Project Manager



John McWilliams, P.E.  
Senior Vice President

Note: As a Senior Vice President, John McWilliams, P.E. is authorized to bind the firm for this contract.

Note: Kimley-Horn acknowledges receipt of Addendum #1 dated March 30, 2022. We appreciate the update and clarification to the indemnity language provided in the Addendum #1 and look forward to a successful contract negotiation upon award of this Continuing Services contract



**Experience with e-Builder Enterprise™ software.**

In your RLI document you mentioned using e-Builder software for this contract. For over 15 years Kimley-Horn has utilized this software for aviation, major roadway/multimodal projects, and transit/LRT projects during design and through construction. Our partners are well versed in e-Builder and have used it across the country for contracting, invoicing, document submission and filing, and construction documentation (RFI's, change orders etc.) We appreciate how the software can be customized for each client, and even each project, and can establish workflows for processes that automatically direct documents to an individual's or a "role's" court within the platform. That helps keep up accountability among other benefits. We look forward to joining PMP staff for specific training, so it is utilized to its fullest extent for Airpark projects.

## Why Team with KIMLEY-HORN?

- » The continuity of 17 years' worth of design and planning experience at your Airpark.
- » You will continue to have an experienced, client-oriented project manager to serve you. Tom O'Donnell, P.E., will be accessible and accountable to you throughout this contract.
- » You will be served by a team of aviation experts who perform this type of work every day.
- » We understand the intricacies of the permitting process. Your Kimley-Horn team will include individuals who have local knowledge of the permitting and review process or have successfully dealt with the decision-making agencies involved with your project.
- » We have shown you that our budget is important to us. We strive to complete projects on time and on budget.
- » We are a small enough firm to provide you with the individual attention you deserve, yet large enough to tackle even the most complex project.

### MORE THAN CORE VALUES.

*Honesty, Integrity, Ethics,  
Exceptional Client Service.*

### KIMLEY-HORN'S WAY OF LIFE.

## SECTION 2

# Technical Approach

## GENERAL APPROACH TO ON-CALL SERVICES

Our approach to this On-Call contract and any project associated with this contract starts with you in mind. It's our job to make these projects as effortless for the City of Pompano Beach as possible—to be an extension of your staff, coordinate with the FAA where appropriate, take care of the issues and keep you informed of the aspects of the projects as we move forward. The Kimley-Horn team is dedicated to taking a proactive approach to project coordination and implementation. We believe this is the best way to do business with our clients. By keeping the client in mind and being proactive, we listen to your needs and understand your perspective. That allows us to anticipate issues and implement effective solutions in line with your objectives.

Kimley-Horn has assembled a team of Key and Support Personnel that are available and will be completely focused on this program. This program requires skilled professionals having acute attention to detail and structured to effectively communicate and interact among all parties involved. We have selected **Tom O'Donnell, P.E.**, who brings 22 years of experience at General Aviation Airports to be your Project Manager. Tom is a “hands-on” project manager who listens and responds to your needs with a focus on running this program efficiently. Supporting Tom is the vast depth of resources available within Kimley-Horn. Our purpose is to serve you effectively to ensure a smooth experience—building and maintaining our relationship with PMP staff is our priority.

Understanding that the intent of the City is to select a consultant to perform a wide variety of types of services, our Technical Approach will be adjusted accordingly to suit the specific task assigned. That being said the following narrative outlines our typical Technical Approach.

Within the following narrative, we will describe our comprehensive approach to projects. The types of projects that will be assigned under this contract are very diverse. Therefore, the program requires skilled airside and landside design for both vertical and horizontal projects, attention to detail, frequent communication and interaction among all parties involved, and a focused project manager who listens and responds to the City of Pompano Beach's needs. We are fully prepared to serve the City throughout the various design and construction phases of this program.

To that end, the success of this program is contingent upon the City hiring an experienced team of professionals with a successful track record in both airside and landside development, as well as industry-proven procedures in the approach to the planning and design of projects from conception through completion. **The Kimley-Horn team is collectively committed to providing these quality professional services and we will be focused on meeting the specialized needs of this program.**

For each of the projects within the Program, our team's procedural approach to the work will be implemented in the following phases:

- Schematic Design Phase – 30%
- Design Development Phase – 60%
- Construction Documents Phases – 90% & 100%
- Bidding and Award Phase
- Construction Administration
- Resident Project Representative, if directed by the City (OPTIONAL)

Our team's approach to each phase of a project will be effectively executed using our industry-proven procedures for completeness, quality control, record keeping, technical problem resolution, and other vital support functions.

## PROGRESS REPORTS

During the design phases, progress reports containing an executive summary of completed work, projected work, special concerns, project budgets, and project schedules will be provided to the City on a monthly basis. During construction, weekly status reports will be provided to the City outlining observations from periodic site visits, submittal status, requests for information (RFI) status, action required for requests for change order (RCOs), plan revisions, and change orders (COs).

## DOCUMENT CONTROL

Our team will place strong emphasis on effective, uniform record keeping, and thorough documentation throughout the project design, construction, and close out. Documentation, filing, and control of information for retrieval using our customized document control system will be implemented accordingly. This element will greatly assist tracking issues and their resolution during design and construction.

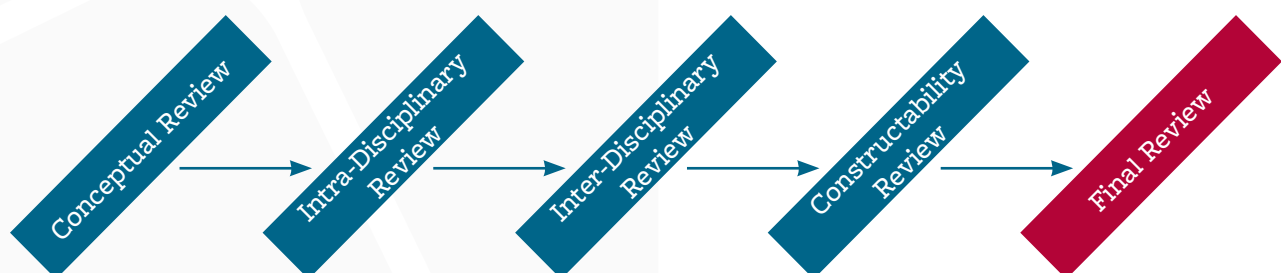
## QUALITY CONTROL

Quality control (QC) will commence during the conceptual/schematic verification phase and will exist throughout every aspect and phase of service provided by our Team. While each firm is responsible for its own internal QC process, the approach to this project is team-oriented: all quality control will be overseen by our Project Manager (PM), **Tom O'Donnell, P.E.**, and Kimley-Horn's Quality Control (QC) Officer, **Paul Piro, P.E.** In order to ensure quality control, a formal evaluation of the work product will take place at the completion of each design phase using Kimley-Horn's quality review checklists and procedures.

Quality control begins with our team, but also extends to the City for this project. Comments received from the City upon review of each submission will be reviewed and incorporated into subsequent submissions. Our team and the City will work closely together in the QC process to ensure that all review comments and other QC-related items are clearly communicated and implemented for this project.

The types of QC reviews to be conducted at the various completion stages include the following:

- **Conceptual review.** During the early design stages of the project, general concepts will be developed for implementation throughout the remainder of the design process. Our team will evaluate these concepts to ensure that the City's project goals are achieved.
- **Intra-disciplinary review.** Each technical discipline will be responsible for its own QC review. This review will ensure that an independent, experienced individual from each technical discipline checks applicable drawings, specifications, calculations, and reports produced by that particular discipline.
- **Inter-disciplinary review.** Each design submission will be reviewed for consistencies and coordination among all disciplines. This review will ensure that all technical disciplines involved in the project are consistent and complement one another.
- **Constructability review.** Our construction administration personnel will conduct a separate review to assess constructability. Constructability, for the various projects anticipated under this contract, requires an understanding of the schedule and sequence of ongoing development at the airport.
- **Final review.** The final QC review will be conducted to ensure that the concerns and comments of all contributing parties have been addressed and/or resolved in subsequent design submissions, as well as the final work product.



The QC Officer will be responsible for crosschecking the accuracy, completeness, and constructability of work tasks used in the course of completing particular assignments on the program.

The QC plan will include the following: definition of roles, standard procedures for reporting and communicating, definition of deliverables, project schedule, and man-hour budgets for each task by discipline/consultant. The QC plan will also incorporate pertinent state and federal standards, as well as applicable master specifications, design guidelines, and QC standards developed by Kimley-Horn.

**Additionally, at any time requested by the City, we will gladly provide evidence of our quality control reviews including markups, checklists and comment forms.**



## SCHEMATIC DESIGN PHASE

### 30%

The Schematic Design initiates the Design Phase and establishes a firm foundation for the project. The goal of the Schematic Design is to complete this phase with an agreed definition of the project including its scope, schedule, and budget. Furthermore, this phase of the project will be the launch of collecting all required field data. The scope of this work will vary based on the project. For example, on a horizontal facility project this information would consist of due diligence, utility investigation, topographic survey, geotechnical investigation, field review of project elements (i.e., pavement, electrical systems, markings, etc). When warranted, our Project Manager, with the appropriate support of specific disciplines, will meet on a pre-application basis with applicable permitting agencies.

### *Design Kick-Off Meeting and Due Diligence*

This phase of the project will commence, immediately upon issuance of a notice-to-proceed, with a design kick-off meeting to allow for personnel introductions, identification of specific stakeholders for each project and to discuss project requirements. At that time, we will address scheduling of field personnel for collecting required data (engineering, survey, geotechnical and other on-site investigations). The City's applicable record documents, studies, and other pertinent documentation and information in the vicinity of the project will be thoroughly reviewed in concert with an inventory of existing site features and conditions. Once these reviews are complete, internally our team will begin the production of the contract documents. Throughout the design, Kimley-horn will conduct coordination meetings with the City and other applicable parties at regular intervals to discuss design concepts, issues, and solutions that are best suited to the project requirements.

### *Schematic Design Phase Deliverables*

As part of this phase, the items of work listed below will be accomplished. Activities and deliverables submitted to the City during this phase will be development of the final recommendation and ongoing coordination with staff.

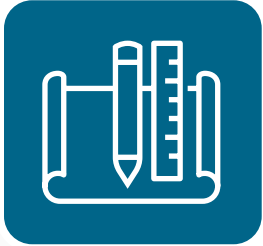
- Working group/coordination meeting
- Permitting agency coordination
- Completion of due diligence
- Review of existing record information regarding utilities, subsurface investigations, permitting, etc.
- Establishment of conceptual work limits
- Preliminary opinion of probable cost
- Preliminary schedules
- Preliminary construction, safety and phasing plan
- Quality control review



## DESIGN DEVELOPMENT PHASE

### 60%

The information obtained during program Schematic Design Phase will be reviewed and refined during the Design Development Phase - 60%. This phase will encompass the professional services required to furnish the City with a set of 60% documents, including technical specifications, 60% drawings, construction phasing and safety plans (for airfield projects), completed permit application forms for filing permits, engineer's report, and opinion of probable costs to reflect any adjustments to the project since the Study/Investigative phase. These documents will be developed and prepared in accordance with standards set by the authority having jurisdiction (i.e., FAA, County, etc.) and will provide sufficient detail for the review of proposed design by the City and all other appropriate parties. Outstanding project issues will be identified and/or discussed at the working group meetings conducted during this phase.



### *Site Access and Staging Area*

Determining the contractor's access to the work areas will be discussed and coordinated with City staff during this phase for each construction package. Specific consideration to neighboring construction projects is required. We want to avoid multiple contractors competing for one haul route. Similarly, if the project is located near open areas of the airport where users are traversing, care will be taken to minimize impacts to their beneficial enjoyment of the space. Therefore, the overall program schedule, sequencing and duration of each project will be mapped out in advance to identify potential concerns. Kimley-Horn will provide options and solutions to these concerns for discussion and resolution with the City.



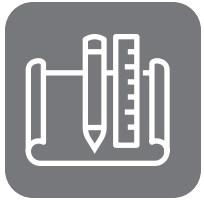
### *60% Design Deliverables*

As part of this phase, the items of work listed below will be accomplished. Activities and deliverables submitted to the City during this phase will be development of the final recommendation and ongoing coordination with staff.

Items completed up to this point will include:

- Working group/coordination meetings
- Permitting agency coordination
- Phasing and sequencing plans
- Refinement of work limits
- Updated opinion of probable cost
- 60% schedule
- Preliminary demolition limits and phasing
- 60% plan set
- 60% technical specifications
- Quality control review





## CONSTRUCTION DOCUMENTS PHASES 90% & 100%

The information obtained during 60% Design Phase will be reviewed and refined during the 90% Design Phase and further developed into final bid documents in the 100% Phase. These phases will encompass the professional services required to furnish the City with a set of contract documents, including specifications, drawings, construction phasing and safety plans, and opinion of probable costs to reflect any adjustments to the project since the 60% design phase. These documents will be developed and prepared in accordance with standards set by the authority having jurisdiction (FAA, County, etc.) and will provide sufficient detail for the review of proposed design concepts by the City and all other appropriate parties.

Our team will provide technical material, written descriptions and design data. We will also assist the City in consulting with appropriate authorities; however, no permitting authorities will be contacted without prior approval from the City. Outstanding project issues will be identified and/or discussed at the working group meeting conducted during this phase.

The overall project design/construction schedule will be updated and refined based on the schedule developed during the Schematic Design Phase and submitted to the City at the close of the design development phase.

Items completed as part of the Construction Document Phases include:

- |  |   |
|--|---|
| 1. Title sheet                                     | 7. Construction plans                   |
| 2. Approximate quantities                          | 8. Construction details                 |
| 3. Project location, haul route, and general notes | 9. Front-End Documents                  |
| 4. Final Construction Safety and Phasing Plans     | 10. Technical Specification             |
| 5. Work sequencing plan                            | 11. Engineer's Opinion of Probable Cost |
| 6. Demolition plan(s)                              | 12. Project Schedule                    |

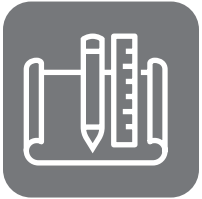
At the completion of the Contract Documents Phase, the City will have an opportunity for final comments. Comments received from the City and any remaining comments as a result of our team's quality control review will be accounted for and addressed prior to bidding. In addition to the plans, technical specifications and final opinion of probable cost, we will coordinate with the City to prepare the front-end contract documents, which will contain the standard contract language, bid tabulations, description of the project, and any assigned liquidated damages necessary for the City to enter into an agreement with a potential contractor. Final plans will be delivered to the City in 11x17" format with CAD files.

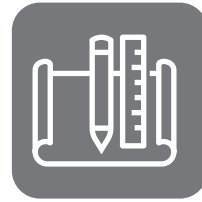


## BIDDING AND AWARD PHASE

Upon completion of the Construction Document Phase, the Bidding and Award Phase will begin. This phase is the timeframe elapsed between the completion of the design process and the commencement of actual construction, when the City publicly advertises and receives bids, awards contract(s), and executes a construction contract to perform the work (project) with the successful contractor(s).

Our team will assist the City in advertising for and obtaining bids for construction, materials, equipment, and services. We will attend the pre-bid conference, respond to pre-bid inquiries, and prepare addenda (as necessary). Our team will also provide services required by the City to assist in processing, reviewing, checking references, and recommending award of construction contract(s) for this project.



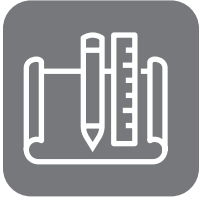


## CONSTRUCTION ADMINISTRATION

Upon receipt of the City's approval of our team's recommendation of construction contract award, a notice-of-intent (NOI) will be issued to the successful contractor, thus commencing the construction administration phase of the project. Professional services to be rendered by our team during this phase include the following:

- Attend Pre-NTP and pre-construction conferences
- Prepare, reproduce, and distribute conformed contract documents
- Administer the construction contract
- Attend construction coordination meetings at regular intervals
- Issue necessary clarifications/interpretations of contract documents (including RFIs and RFCs)
- Provide consultation and advice to the City
- Conduct periodic site visits to observe construction progress and to confirm that construction is in conformance with the construction documents. Call to the attention of the contractor and the City any issues which are non-conformant with the construction documents
- Review contractor submittals (schedules, samples, materials, and shop drawings)
- Assist in the preparation of RFI responses, field directives, and change orders
- Participate in field review and prepare punch lists for substantial completion and final acceptance
- Receive and review required certificates of inspections, tests and approvals
- Render initial decisions on the interpretation of the contract documents
- Determine and/or review recommended amounts of payment to the contractor
- Prepare supplemental drawings as necessary





## RESIDENT PROJECT REPRESENTATIVE (OPTIONAL)

If requested by the City, our team will provide a Resident Project Representative (RPR) during construction. Our PM will engage the attention of the RPR during the 90% Design Phase. This will permit complete familiarity of the project with the RPR prior to bidding. During that time, the RPR will review the documents and provide input for constructability and phasing durations. By doing so, the RPR will be well aware of the testing requirements within the project for both QC and QA.

Meetings, both formal and informal, will be conducted between our team, the City (and/or its duly authorized representative), and the successful Contractor. These meetings will occur on a weekly basis. They will serve as forums to discuss any schedule and/or cost concerns, as well as to resolve problems before they become critical. The Contractor will be required to submit a detailed schedule to the RPR at the pre-construction meeting. This schedule will be reviewed and approved by the RPR and the City. This schedule will be updated on a monthly basis.

Our team's RPR will be responsible for reviewing the contractor's schedule to confirm accuracy of the work activities completed. Analysis of the contractor's schedule will be on the basis of planned versus actual costs for the month and contract to date. A consolidated contract progress report will be developed.

The RPR will continuously review contractor performance, report status, check for variances or delays, and recommend work-arounds and adjustments that can be initiated to get the contractor back on schedule and/or within budget.

On-site (field) representation will be the responsibility of the RPR. Capabilities for any special engineering or testing needs not available at the site will be coordinated with our team through requests by the RPR. Our PM, office engineers, and clerical staff will support the RPR to ensure effective management of project activities.

Our team will implement a quality assurance (QA) plan in accordance with the quality management requirements of the City. Our team's materials testing consultant, will provide the needed services in accordance with the quality assurance requirements within the specifications.

Quality control during construction will be the responsibility of the contractor. Our team will support the City by requiring the contractor to develop and submit an acceptable quality control program prior to commencement of construction. This program will describe, in detail, the contractor's quality control organization, procedures, documentation and processes for each phase of the work that the contractor is responsible. As part of our quality assurance efforts, the RPR will monitor the contractor to ensure compliance with the approved quality control plan.

The RPR will review both work in progress and completed work on a daily basis. In addition to assuring quality workmanship in accordance with the contract documents, the RPR will record quantity of work placed, and will provide daily documentation of construction operations and activities.

The RPR will also be responsible for the review of contractor pay requests, implementation of change orders, supplemental agreements, claims management, oversight of safety and security, intermediate observations, final observations, record drawing maintenance, and materials testing.

## TIME SCHEDULE AND COST CONTROL

Controlling time schedules and cost starts with the inception of the project, the Kimley-Horn team will coordinate closely with Airpark staff to understand the City's project goals, budget, and scope of work. With this information we will enter into the design phase and use proven project management tools and methods which I have developed over time to control the design team, contract document development, schedule, budget, and quality. These tools and methods yield high quality contract documents which are well coordinated and easy to understand which allow the contractor to construct what they bid. This in turn results in a construction phase which minimizes delays and change orders.

### *Design Phase*

Our team brings decades of experience to the table and takes pride in delivering projects on time and on budget. We are prepared to commit the necessary resources to support the success of your efforts and maintain your schedule and budget. Moreover, we have the tools that tell us exactly how and when to implement these resources. The tools we use to manage and administer a project are for the clients' benefit, because a basis is established for on-time, within-budget delivery of the services. To assist our project managers in efficient administration of projects, Kimley-Horn maintains a detailed, integrated management information system (MIS). This system, designed primarily to focus on schedule adherence and cost control, has proven to be a valuable tool.

**Schedule control begins with the preparation of a detailed schedule that includes milestone completion dates for specific tasks and the overall project.** We will develop a work plan that allocates item and person-hour commitments by individual for each task. Twice monthly, the MIS generates a Project Effort Report showing actual effort expended by task. This internal control allows us to make, on a timely basis, any adjustments that may be necessary to maintain your schedule and stay within your budget.

Over the years we've seen the rising costs in the construction industry and have adapted to make sure our sources for cost and material stay current to promote smooth construction and project delivery, making sure our finger is always on the pulse of the industry.

This project team is dedicated to producing projects on time and finding creative solutions to design a project within available grant funding. Throughout the years we've seen the trend of rising construction costs. To keep up with the trends, Kimley-Horn reviews many sources when developing designs and projecting unit prices for use in Opinions of Probable Construction Costs (OPCC). Current bid summaries are reviewed and adjusted for projected bidding conditions, the type and complexity of the project, the size and location of the project, and the local economic climate at bid time.

### *Construction Phase*

At Kimley-Horn, we believe that the best results are achieved by working together to meet the common goal of completing your project on time and in budget. When a project goes to construction, we give priority to any issue that may arise. We work with the contractor to help ensure they understand the design intent and can successfully build the project on time and in budget. Our goal is to remove obstacles that may hinder the contractors' performance, therefore avoiding disputes and claims, which means a better project for you. This does not mean we give the contractor freedom to do whatever they please. During construction, we will utilize project specific, standardized forms to provide consistent and accurate project documentation, qualified site observation, certified inspection and testing, formalized manuals for procedures, and other monitoring and quality assurance programs. The intent is to help ensure the construction proceeds in a manner that is consistent with the design plans and meets your needs.

**With Kimley-Horn, you get a partner with a track record of successfully completing planning, design, and construction projects on or ahead of schedule and within budget.**

Below is a list of projects which exemplify our ability to control time schedule and cost:

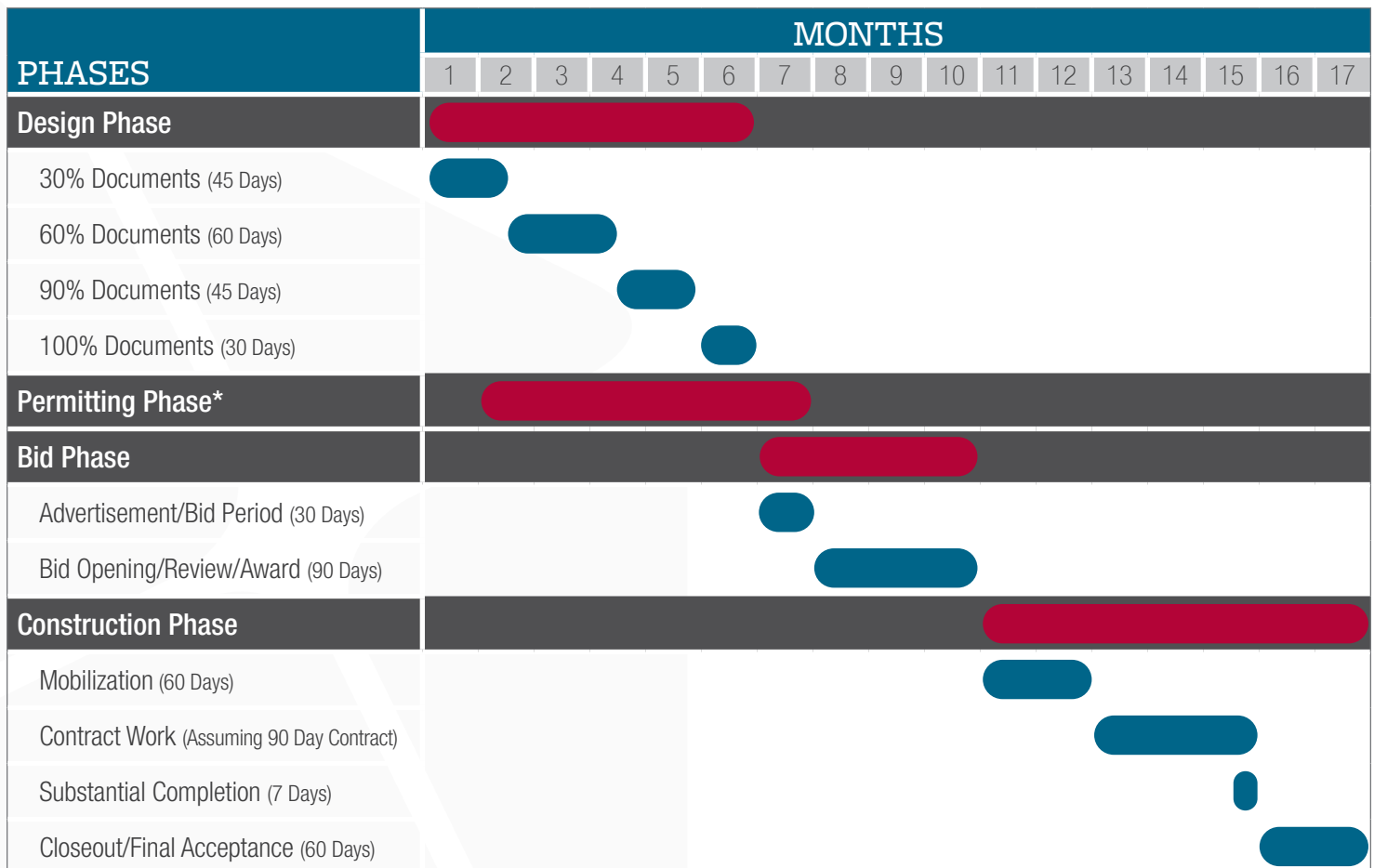
AIRPORT	PROJECT	ENGINEER'S ESTIMATE	ACTUAL BIDS	SCHEDULE	BUDGET
Fort Lauderdale Executive Airport	Taxiway Foxtrot Rehabilitation	\$2,613,220	\$1,898,799	Ahead of Schedule	Under
Naples Municipal Airport	Parallel Taxiway Reconstruction – Phase 1	\$1,023,423	\$991,118	Ahead of Schedule	Under
Naples Municipal Airport	Parallel Taxiway Relocation – Phase 2	\$1,028,360	\$1,028,360	On Schedule	Under
Naples Municipal Airport	East Apron Construction	\$1,026,062	\$969,159	Ahead of Schedule	Under
Naples Municipal Airport	Apron Reconstruction	\$1,288,439	\$1,284,219	On Schedule	Under
Naples Municipal Airport	Runway 5/23 Rehab	\$1,994,085	\$1,868,294	On Schedule	Under
Sarasota/Bradenton Intl	TW B South	\$1,797,842	\$1,738,884	On Schedule	Under
Safford Regional Airport	Runway 12-30 Reconstruction	\$3,050,000	\$2,322,938	Ahead of Schedule	Under
Tampa International Airport	Airfield Slab Replacement	\$1,796,017.30	\$1,385,016.00	On Schedule	Under
Tampa International Airport	Airside F Apron Joints and Slabs (Apron)	\$1,006,636.72	\$878,625.00	On Schedule	Under
Tampa International Airport	Airside F Apron Joints and Slabs (Taxilane)	\$350,317.72	\$345,850.00	On Schedule	Under
Tampa International Airport	TW N Reconstruction	\$2,422,916.95	\$1,699,762.00	On Schedule	Under
Tampa International Airport	TW W Reconstruction	\$15,666,909.06	\$12,250,061.00	On Schedule	Under

# SECTION 3

## Schedule

Scheduling is the responsibility of your project manager, **Tom O'Donnell, P.E.**, and it all begins with a clear understanding of the Airport's and project's scope, goals, and milestones. This information is then used to develop three key scheduling tools for Tom to manage and track the project's progress: **1) a project outline which Kimley-Horn calls a "work plan," 2) a project Gantt chart style schedule created with Microsoft Project, and 3) Kimley-Horn's "castahead" system which coordinates our staff's availability.**

A preliminary schedule is provided below. Our team will be forward thinking and looking ahead at potential issues. One of the main issues recently affecting many construction projects is the availability of materials due to supply chain issues. For example, airfield projects are currently seeing significant delays in the procurement of electrical equipment. Understanding these issues, we have adjusted project schedules to provide additional mobilization to offset these issues.



\*Permitting phase varies dependent on the assigned scope of work.

## SECTION 4

# References

### Belle Glade State Municipal Airport, Palm Beach County, FL

#### General Engineering Consultant

Kimley-Horn has served Belle Glade Municipal Airport for engineering and planning services since 2005. Below are several of the projects we have completed for the Airport.



Kimley-Horn is currently serving as general engineering aviation consultant and extension of staff for the Belle Glade State Municipal Airport (X10). Several services orders have assigned and completed by Kimley-Horn including the following three tasks:

**Runway 9-27 Rehabilitation.** The pavement on Runway 9-27, the airport's only runway, was in disrepair and was creating a potentially unsafe condition for operations. Despite the name of the project, the condition of the pavement was so poor that runway reconstruction was required due to loading, climate, and age distresses. In addition to the runway's pavement deficiencies, its geometry and pavement markings did not meet current FAA standards. The runway was also situated so an adjacent property encroached onto the runway's "object free area." The approach to Runway 9 was also obstructed by powerlines and tall trees.

Kimley-Horn provided design services to correct all these deficiencies. Full-depth pavement reconstruction was performed to address the pavement distresses. The original runway was demolished and realigned 35 feet to the south and 100 feet to the east, allowing the airport to correct its object-free area and obstruction issues. The runway was also widened to 60 feet to address FAA requirements and shortened slightly, on the west end, to mitigate other approach obstruction issues. The final dimensions for the runway are 3,450 feet by 60 feet, meeting all FAA General Aviation Facility requirements. Kimley-Horn also provided construction phase services and a full-time resident project representative to observe work.

**Construction Cost: \$1,980,000. Design was completed in 2016 and construction was completed in 2017.**

**Solar Power Lighting Project.** Prior to this project, Belle Glade State Municipal Airport was not lighted for nighttime operations. Per the airport's capital improvement plan, \$800,000 was earmarked for a future project to address this matter. City and State officials, however, anticipated that procuring the funds to install lighting would be difficult. Kimley-Horn, however, found an innovative solution for the lighting issue. For less money than would be required to design a conventional incandescent airfield lighting system, a solar LED lighting system could be designed, purchased, and installed. This project was the first time a solar-powered aviation lighting system has been installed at a publicly-owned airport in Florida. The Florida Department of Transportation is currently performing a study to determine if this solar lighting system is viable for other rural, unlit general aviation airports. Kimley-Horn's responsibilities consisted of designing the system and observing its installation.

**Construction Cost: \$126,000. Design was completed in 2016 and construction was completed in 2017.**

**Environmental Contamination Assessment and Mediation Planning.** The western section of the airfield is heavily contaminated with several organochlorine pesticides (OCPs), including toxaphene and dichloro-diphenyl-trichloroethane (DDT). Kimley-Horn helped secure funding from the Florida Department of Transportation (FDOT) to allow for completion of additional site assessment, soil pilot study, feasibility study, and remediation design at the facility. Kimley-Horn is currently in the process of completing a feasibility study evaluating several options for remediation of soil. The feasibility study includes evaluation of future use plans for the facility and integration of site future development with cleanup. **This study was completed in 2018.**



2017 General  
Aviation  
Airport Project  
of the Year  
(2017), Florida  
Department of  
Transportation

#### CLIENT REFERENCE

Diana L. Hughes, Director of Finance  
City of Belle Glade  
110 Dr. Martin Luther King, Jr., Blvd.  
Belle Glade, FL 33440  
561-992-2207 Direct Line  
561-449-7270 Cell Phone  
dhughes@belleglade-fl.com



## City of Fort Lauderdale Executive Airport (FXE), Broward County, FL

### General Engineering Consultant



Kimley-Horn has served FXE for engineering, planning, environmental, and security services since 2000, more than 18 years under a general consultant contract. Below are several of the recent projects we have completed for the Airport.

FXE is a high traffic general aviation airport located near the Fort Lauderdale-Hollywood International Airport (FLL). Kimley-Horn has served as a general consultant to the City of Fort Lauderdale for FXE for more than 18 years. In that role, we have completed numerous services, including the airfield-

wide rehabilitation of airside signage, lighting, and electrical services; campus wide wayfinding; the rehabilitation of Runway 8-26 and relocation of Taxiway Hotel; the rehabilitation of Runway 13-31; a new Airport Rescue and Fire Fighting (ARFF) station; a fiber-optic communications system connecting the airport gate system to a central computer; security improvements; relocation of Taxiway Alpha; evaluation of the existing customs facility and site selection for a new facility, design of an aviation equipment and services facility; rehabilitation of Taxiway Bravo; an airport master plan and strategic business plan; a pavement management study; and numerous other projects. We have truly functioned as an extension of FXE's staff, filling the gaps and helping the City as it operates one of the busiest general aviation airports in the country. In 2018, we were reselected to provide the City with on-call General Engineering Services. The following is the list of current projects which have been assigned under this contract:



**Taxiway Intersection Improvement Project.** The existing taxiways Hotel and Quebec connect existing aprons, located south of Taxiway Echo, directly to Runway 9-27. Kimley-Horn was selected to bring these areas of the airport into compliance with updated Advisory Circular's changes. Kimley-Horn prepared plans, specifications, and other contract documents. Taxiways will also be renamed to comply with FAA Engineering Brief 89. Services included contract administration services during construction and airport GIS surveying. **Design was completed in 2021. Construction is ongoing.**

**Airfield Signage Replacement Project.** The airport's airfield signage system was illuminated by incandescent lighting. Kimley-Horn prepared contract documents to convert the system from conventional to LED lighting. The design consists of preparing plans, specifications, and other contract documents for the removal and replacement of the signage system. The construction will be performed under seven phases with contract administration services. Additionally, most of the taxiways will be renamed to comply with FAA standards. **Design was completed in 2021. Construction was completed in 2021.**

**Stormwater Due Diligence.** The airport experienced an increase of onsite stormwater ponding that culminated in November 2020 during Tropical Storm Eta. Kimley-Horn was tasked to review the existing stormwater infrastructure and permits for the FXE campus and adjacent properties that may have an impact on the stormwater system. Emphasis was placed on projects that were completed after the conceptual Environmental Resource Permit. Modeling was performed to simulate a similar storm event to review the impact on the system. A watershed study was also performed. **Services were completed in 2020.**

**Burrowing Owl - Environmental Services.** Several active and inactive burrowing owl nests were located within the proposed construction limits for the Taxiway Foxtrot Relocation and Taxiway Intersection projects. In an effort to protect the owls, Kimley-Horn was tasked to perform a 100% Burrowing Owl Survey, permit the relocation of active nests, and excavate burrows in areas in conflict with future airport construction. The limits of this project were the area near Taxiway Foxtrot east of old Taxiway Golf and the area south of Runway 9-27 between Taxiways Hotel and Quebec. **Services are ongoing.**

#### CLIENT REFERENCE

Rufus James, Airport Manager  
Fort Lauderdale Executive Airport (FXE)  
6000 NW 21st Avenue  
Fort Lauderdale, FL 33309  
R.James@fortlauderdale.gov  
954.828.4969

## Fort Lauderdale-Hollywood International Airport, Broward County, FL

### Fort Lauderdale-Hollywood International Airport, Rehabilitation of North Airfield Pavements, Engineered Material Arresting System Beds, and RIM



Kimley-Horn has been serving Fort Lauderdale-Hollywood International Airport and North Perry Airport since 2006 through individual projects ranging from airfield and runway design, terminal design and expansion, master planning, parking, landside analysis, ADA planning, and ITS services.

Kimley-Horn provided professional engineering services to rehabilitate Runway 10L/28R and other airfield pavements at FLL to maintain the primary runway and other airfield pavements in good operational condition. The scope of services included geometric review of the airfield pavement, assessment of hotspot and runway/taxiway end geometry, runway incursion mitigation (RIM) design, existing pavement evaluation, runway and taxiway rehabilitation options benefit-cost analysis, Engineered Materials Arresting System (EMAS) evaluation and options review, environmental permitting review and development options, topographic survey, electrical systems inventory and review, stakeholders review, existing utilities review, and construction documents and design phase services.

During the construction closer, we upgraded the airfield electrical systems and signage; converted airfield lighting from quartz to light emitting diode (LED) technology; replaced the engineered material arresting system (EMAS) beds at each runway end; extended the east end of Runway 10L/28R EMAS in compliance with FAA requirements; changed the profile of 10L/28R to address drainage issues; addressed hotspots; realigned several connecting taxiways; and relocated a terminal parking apron connector to meet FAA safety standards and minimize the potential for runway incursions.

**Project Cost: \$2.5 million**



2020 Commercial Service Airport Project of the Year, Florida Department of Transportation

2020 Corporate Awards: Commercial Airport Project of the Year – Airfields, Southeast Chapter of the American Association of Airport Executives

2021 Engineering Excellence Honor Award: Category H, Transportation, American Council of Engineering Companies Florida

2021 National Excellence in Concrete Pavement Award: Commercial Service Airports, American Concrete Paving Association

#### CLIENT REFERENCE

Gasser Dougé, Project Manager  
Broward County Aviation Department  
1255 North Perimeter Road  
Fort Lauderdale, FL 33004  
954.359.6973  
gdouge@broward.org

## PRIOR PROJECTS FOR CITY OF POMPANO BEACH

Kimley-Horn is proud to serve Pompano Beach for over 20 years and the Airpark for the past 17 years. During this time we have provided services on over 100 projects/tasks for aviation, water utilities, transportation planning, traffic, environmental, roadway, structural design and assessment, signal design, and grant assistance.

Below is a listing of the projects started within the past five years:

- Pompano CRA ETOC TES
- Airport Zoning and Airspace
- PMP-Taxiway D CPS
- PB WA #2 Fairfield Res
- PMP-Driving Range Airspace
- PB WA #3 Atlantic One
- PMP-Aquatic Airspace Study
- PMP-Airpark Obstruct Perim
- PB WA #4 Oceanside Lt Lupa
- PMP Taxiway D Recon
- Pompano Beach Lane Elimination
- 11TH Ave Bridge Report
- WA #7 NW 2ND St Feasibility
- WA #8 SE 11TH Bridge Plans
- WA #5 N Riverside Dr
- 19357 McNab Road Improvements
- 19359 Ne 33rd Street Improvements
- NW 2 St & 31 Ave
- WA #10 Pilot Traffic Calming
- PB Planning WA #5 - HH
- Knox Farms PH 2
- McNab Road Design Support
- WA #4 TW Delta CPS
- PB Planning WA#4 - P.S.
- WA #6 Airport Access Rd
- Hidden Harbor Air Park
- PB Planning WA #6 400ATL
- SE 6TH Street Bridge Replacement
- WA #7 ATCT Study PH1
- WA #8 RW 28 Env Grant Application
- WA #9 Airpark Grant
- PB Planning - JKV
- McNab Road Offsite
- Pompano SE 6TH Grant Application
- McNab Grant Application
- Pompano Fire Station #52
- S. Palm Aire Drive Ops Review
- PB Planning - Soleste
- PB Planning - IDI Rezone
- SR A1A Improvements
- N Riverside/2ND Street
- 19361 Terra Mar Bridge
- 19357 McNab Road Bridge
- 19355 Dixie Hwy Improvements
- 19355 Dixie Additional Surv TRA
- McNab USCG Permitting
- Atlantic Blvd Development Services
- Transit ADA Review
- McNab Road Offsite 2
- 9TH ST At S Cypress TSWA
- SS FM McNab Rd
- McNab Road Offsite 3
- East Atlantic Safety
- Pompano Beach-FAA
- PMP-Pompano MP PO #182110

# 20 YEARS

Serving Pompano Beach

# 17 YEARS

Serving the Airpark



SECTION 5

# Project Team Form

**COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RLI IN THE EBID SYSTEM.**

**PROJECT TEAM**

RLI NUMBER E-10-22

Federal I.D.# 56-0885615

**PRIME**

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	<u>Carlos Maeda, P.E.</u>	<u>41</u>	<u>MS, BSCE</u>
Project Manager	<u>Tom O'Donnell, P.E.</u>	<u>22</u>	<u>BSCE</u>
Asst. Project Manager	<u>Aris Tirado, P.E.</u>	<u>7</u>	<u>BSCE</u>
Other Key Member	<u>Elizabeth McQueen</u>	<u>17</u>	<u>MS, BA</u>
Other Key Member	<u>Colin Wheeler</u>	<u>14</u>	<u>MA,BA</u>

**SUB-CONSULTANT**

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	<u>Stoner &amp; Associates, Inc.</u> <u>4341 SW 62nd Ave, Davie, FL 33314</u>	<u>James Stoner, PSM</u>
Landscaping	<u> </u>	<u> </u>
Engineering	<u>Quantum Electrical Engineering, Inc.</u> <u>5571 N University Dr #101, Coral Springs, FL 33067</u>	<u>Amy Champagne-Baker, P.E.</u>
Other Key Member	<u>Tierra South Florida</u> <u>2765 Vista Pkwy, West Palm Beach, FL 33411</u>	<u>Harmon Bennett, P.E.</u>
Other Key Member	<u>Kenneth Carlson Architects</u> <u>1166 W Newport Center Dr #311, Deerfield Beach, FL 33442</u>	<u>Kenneth Carlson, RA, AIA, LEED, AP</u>
Other Key Member	<u> </u>	<u> </u>
Other Key Member	<u> </u>	<u> </u>

(use attachments if necessary)

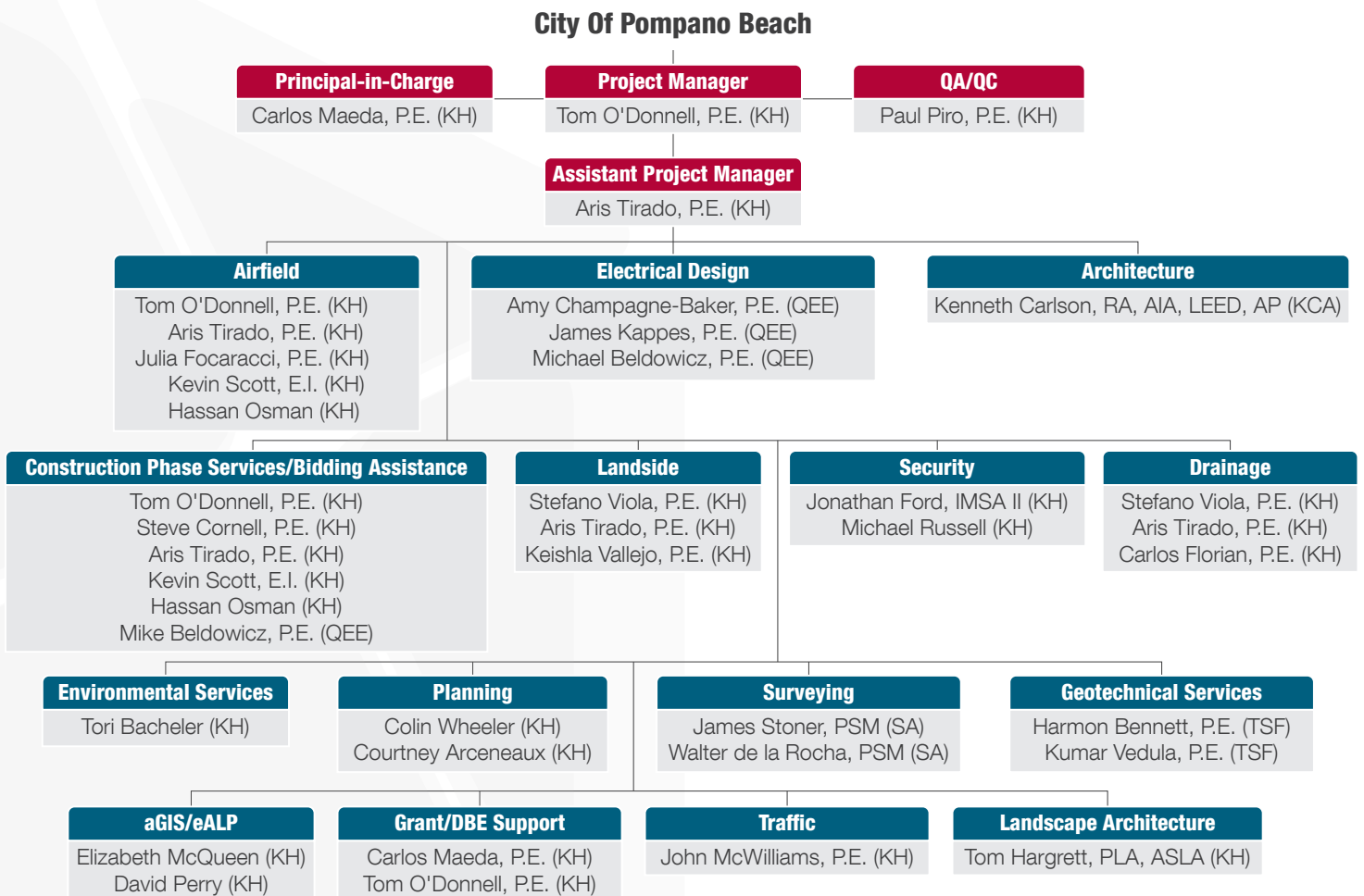
## SECTION 6

# Organizational Chart

We have organized a core team of practiced professionals to provide a high level of responsiveness to the City of Pompano Beach, both in terms of exceptional local interaction and support, and extensive technical experience in the services required for your future projects. Our local engineering and planning staff are backed by over 1,000 employees in offices throughout Florida and more than 5,500 employees nationwide. Most importantly, you have access to over 150 dedicated Aviation specialists plus their support team with Kimley-Horn.

Our team is led by **Tom O'Donnell, P.E.**, who has spent his career designing and managing airfield project in Florida. He has more than 22 years of aviation airfield design, civil engineering design, project management and construction management experience, including numerous runway and taxiway projects. Providing Quality Control / Quality Assurance is **Paul Piro, P.E.** with 39 years of aviation experience and serving as Principal-in-Charge is **Carlos Maeda P.E.**, a former FAA program manager with 41 years of experience.

*Resumes of key Kimley-Horn staff and representatives of each of our subconsultant team members are included in Section 8 of this proposal.*



**Legend**

KH - Kimley-Horn      QEE - Quantum Electrical Engineering      TSF - Tierra South Florida      SA - Stoner and Associates      KCA - Kenneth Carlson Architect - P.A.

## SECTION 7

# Statement of Skills

## OVERALL EXPERIENCE AND QUALIFICATIONS

**Kimley-Horn** takes pride in its ability to tailor comprehensive consulting services for airports of any size or complexity. Our aviation professionals possess diverse backgrounds in the programming, planning, design, construction, funding, operations, safety, logistics, and administration from public airport projects across the country. Our experience allows our team to meet any technical challenge an airport may encounter. The depth and breadth of our resources permits us to assign highly experienced staff to projects; bring the right expertise to bear as needed; and allows us the flexibility to accelerate and compress schedules as needed.

Our philosophy of providing professional services is based on client service and technical expertise. This philosophy is especially applicable for airport consulting projects that encompass a broad variety of disciplines and experience. Kimley-Horn's engineers, planners, scientists, geologists, and landscape architects, provide a full range of aviation services including the following services requested by the City:

- Aviation Planning, Design, and Construction
- Environmental
- Landside Services
- Stormwater Management
- Construction Administration
- Grant Writing and Administration

Our overall experience with these disciplines and services is described further below.

**Kimley-Horn appreciates that we have had the opportunity to serve the City with these and other professional services for over the last 17 years. We look forward to having the opportunity to continue to be of service to you.**

## AVIATION PLANNING, DESIGN, AND CONSTRUCTION

General aviation, air carrier, and military clients have found in Kimley-Horn the full-service expertise their airfields need. Since the 1960s, our staff has provided engineering, planning, environmental, and surveying services for a large number of federally, state, and locally funded airport projects across the United States. Our experience includes thorough understanding of FAA Advisory Circulars, comprehensive airport planning, design, construction administration, site selection, environmental assessment, and Part 150 noise studies. We have designed terminal aprons, taxiways, runways, run ups, ingress and egress roadway networks, lighting, signage, landscaping, utilities, security, and a variety of other landside and airside facilities.

We have the unique ability to provide comprehensive landside and airside services tailored to our clients' specific needs. Our track record also includes helping airport owners obtain approvals and/or grants from the Federal Aviation Administration (FAA) and state departments of transportation to approve and finance their airport improvement projects. We are altogether familiar with the procedures and requirements of the FAA and other review and permitting agencies whose approval is required for construction of projects. Specific areas of Kimley-Horn's airfield design and construction service expertise include:

- Site planning and master planning
- Airport/heliport licensing
- Local permitting approvals
- Infrastructure planning and design, including utility coordination
- Environmental permitting, assessment, and remediation
- Water and wastewater systems design
- Ingress and egress roadway networks
- Runway, taxiway, apron, and terminal design
- Paving and drainage design
- Airfield and taxiway lighting
- Airfield and terminal security systems
- NAVAIDS
- Pavement management systems
- Landscape architecture
- GIS mapping
- Construction observation

## ENVIRONMENTAL

Florida's natural environment is unique and diverse and environmental regulations are some of the most complex in the nation. Knowing how to successfully navigate the regulatory maze and providing the appropriate level of documentation is critical to successful project implementation. Kimley-Horn has that knowledge through extensive experience working on complex projects throughout Florida. Our approach is to understand our client's business, the regulatory requirements, and build relationships with the regulatory personnel. Our environmental staff knows Florida – they have provided their services from Pensacola to the Florida Keys. Our environmental staff also knows issues specifically associated with aviation projects and the National Environmental Policy Act (NEPA) process. We know the regional issues, and we interact with federal, state, and local government agencies daily. We stay up-to-date on current environmental regulations and regularly participate in rule making decisions.



Kimley-Horn maintains an experienced team of environmental scientists, geologists, hydrogeologists, biologists, planners, and field technicians with expertise in a wide range of ecological planning and problem-solving services. The firm's in-house capabilities include, but are not limited to:

- NEPA Compliance
- Wetland assessments and mapping
- Wetland delineation in accordance with state and federal regulations
- Mitigation plan design, implementation and monitoring
- Listed species survey, permitting, biological assessments, biological opinions and habitat management
- Environmental Resource Permitting
- Environmental sampling, analysis and evaluation
- Water quality assessment and monitoring
- U.S. Army Corps of Engineers (404) Permitting
- Environmental Master Planning and Site Feasibility Reports
- Geographic information system mapping
- Phase I and Phase II Environmental Site Assessments
- Environmental impact studies/NEPA documentation
- Storage tank closure (AST and UST)
- Hazardous waste investigations/remediation
- Hydrologic and hydraulic modeling
- Environmental contamination assessments
- Environmental remediation engineering
- Waste Characterization
- Risk management assessments

## LANDSIDE SERVICES

At Kimley-Horn we have a wide range of services to support our aviation team on many landside tasks. We have extensive experience in providing surveying, permitting, drainage, stormwater, utilities, traffic, and roadway design services. In addition to these capabilities, we also have a nationally recognized land development team that has an impressive resume accomplishing many projects for several nationally recognized corporations, working on everything from commercial development and master planned home developments to restaurants and banks. This wide range of experience has prepared our team to handle anything that comes their way. We have used this expertise in designing ARFF stations, maintenance facilities and other landside infrastructure. Additionally, we have added **Kenneth Carlson Architects** to augment our capabilities for vertical construction and smaller projects. Kimley-Horn has partnered with Ken Carlson on several projects.

Ken Carlson, RA, AIA, LEED AP has a reputation as one of the leading architectural firms in south Florida and their ability to provide quality architectural solutions meet the needs, timeframes and budgets of clients.



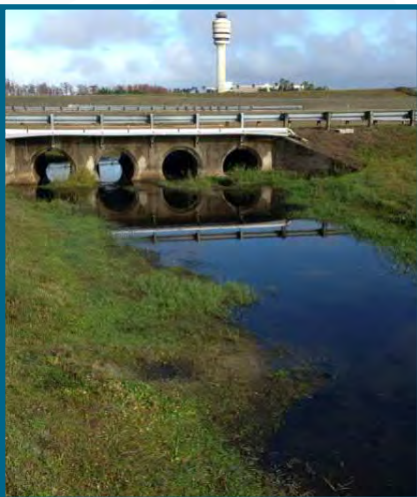
## STORMWATER MANAGEMENT

Our extensive stormwater management experience ranges from small backyard drainage issues and resolutions to large stormwater master planning. We have the depth of resources and experience in the City and adjacent areas to address all your stormwater management issues. We will assist you in handling all investigation, public involvement, retrofit resolution, design, permitting, and construction needs from start to finish, including:

- Stormwater management master planning
- Community assessment and modeling
- Surface water quality planning and monitoring
- Environmental assessment and mitigation
- Drainage and roadway improvement projects
- Erosion and sediment control plans
- Drainage system design and retrofitting
- Design of structural and non-structural BMPs (best management practices)
- NPDES (National Pollutant Discharge Elimination System) monitoring and compliance programs
- Water control structure and pump station design
- Canal and flood management modeling and bank erosion prevention and control

We have personnel experienced in various types of stormwater modeling and design software and have prepared stormwater management plans for a wide variety of clients, including municipal and county public works agencies, the Florida Department of Transportation, and a wide range of commercial, industrial, and residential developments. Our expertise includes hydrological and hydraulic analyses; stormwater quantity and quality issues; surveying, planning, and permitting; and the design of all major water control and pump structures. We have also designed culvert

crossings, roads, levees, and bridges. The best design in the world does you no good if it cannot be permitted. We have demonstrated our ability to develop quick, common-sense solutions and the ability to secure permits from multiple regulatory agencies and water management districts on many complex projects.



## CONSTRUCTION ADMINISTRATION

Our full-service consulting includes comprehensive construction administration services with staff experienced in all types of construction including airside and landside. Staffing typically includes the engineer of record, a resident project representative, and support staff capable of administering the contract, conformance with FAA Advisory Circulars (and other applicable rules and regulations), and coordinating with all stakeholders. Kimley-Horn has strong experience as an extension of your staff in the field, our construction phase personnel can attend preconstruction conferences and regular project meetings, review and recommend approval of pay applications, review and respond to shop drawings submittals, respond to requests for information, enforce the contract documents, review and respond to change order requests, ensuring DBE requirements and reporting are being met, and all other activities required to make sure that you achieve well-coordinated construction of the proposed improvements, both on-time and under budget.



## GRANT WRITING AND SUPPORT SERVICES

We understand that soliciting for and obtaining successful funding sources is critical to the Airpark's Capital Improvement Program. Kimley-Horn has a level and breadth of experience with grant funding support that few consultants can provide. Kimley-Horn staff works hand-in-hand with airports to identify eligible projects, proper project descriptions and other grant required data to provide FAA and FDOT with all required grant application information. Our efforts do not stop with the procurement of a grant. The Kimley-Horn team will serve as an extension of staff during the life of the project providing support and documentation services required under the grant assurances. Kimley-Horn has a long and extensive relationship with both the FAA and FDOT. We understand the minimum standards which must be complied with, the grant assurance which must be followed and the reporting requirements during the life of the grants. We routinely support our airport clients with needed grant support activities including on-line reporting and closeout documents.

Our project manager, **Tom O'Donnell, P.E.** has a strong working relationship with the Office of Multimodal Development and the Aviation Coordinator at FDOT District 4. Tom works closely with District 4's Aviation Coordinator on an extensive basis as he manages Belle Glade State Municipal Airport's Capital Improvement Program and JACIP portal. Our responsibilities include but are not limited to working with the City's administration to determine annual updates to the five-year CIP, writing requests for state funding via JACIP, and once received managing the grant (i.e. quarterly updates, scheduling, budgeting, etc.)

**Carlos Maeda, P.E.** is a former employee of the FAA Orlando Airport District Office and maintains strong relationships with their staff. Leveraging his relationships, we have successfully supported the City with obtaining FAA funding for the following projects: Runway 15-33 rehabilitation, Taxiway K relocation, the Extension of Taxiway G, and the Extension of Runway 28. As part of the Extension of Runway 28 grant writing services we worked with the FAA to hold \$150,000 of entitlement funding for the City which was set to expire.

Beyond the typical FAA and FDOT airport CIP funding, as of 2021, Kimley-Horn has provided assistance to our clients that have resulted in more than \$275 million in grants and outside funding. We have developed a resource library of information on state and federal funding sources and will assist you in making the most of available resources.

## AIRSPACE SERVICES

### *Preparation and Submittals of Air Space Study Checklists and FAA Form 7460 (Notice of Proposed Construction or Alterations) for Required Airport Construction Projects.*

Kimley-Horn has a thorough understanding of the FAA's Obstruction Evaluation/ Airport Airspace Analysis (OE/AAA) process. Using computer modeling similar to the FAA's, Kimley-Horn has the ability to model airspace above subject properties for Federal Air Regulation Part 77 surfaces, airport traffic pattern surfaces, and Terminal Instrument Procedure surfaces. With this information, Kimley-Horn can study the subject property's airspace and determine the most stringent imaginary surfaces and advise clients as to limitations on vertical development. In addition to modeling capabilities, Kimley-Horn can also assist with filing FAA Form 7460-1 Notice of Proposed Construction or Alteration. **With Kimley-Horn, you get a firm who understands how the FAA's process works, which will help expedite review times, and if needed, help negotiate for additional vertical clearance.**

As your consultant, one of the primary duties we will perform is the preparation or review of airspace studies. As part of its current contract with the City, Kimley-Horn has performed numerous studies and has been successful in obtaining approvals to install high mast lighting in Community Park and next to the Air Park maintenance facility. Kimley-Horn has successfully worked with obtaining airspace approvals for a fixed based operator (FBO) development on Parcel BB, beachside high rises, and commercial developments on all sides of the Air Park. In each of these cases, Kimley-Horn completed the airspace study, submitted the on-line application on behalf of the City, and obtained determinations. Based on current trends, the City will need a knowledgeable consultant who can work with a variety of entities to obtain determinations.

### *Assisting City Planning Department in Review of Properties within the Air Park Overlay District*

In addition to the airspace studies performed on behalf of the City, Kimley-Horn has stepped into the role of advisor to the City in reviewing the heights of proposed buildings within the City's Airport Overlay District. Under its General Engineering Contract with the City, Kimley-Horn has evaluated the heights of proposed buildings both on the mainland and the barrier island. They proposed elevations are compared to the applicable FAA Part 77 surfaces and aircraft departure paths. Kimley-Horn provides opinions to the City as to whether the development complies with the terms of the Air Park Overlay District and provides recommendations for further review by the FAA or FDOT.

## SPECIFIC RELEVANT SIMILAR EXPERIENCE

Kimley-Horn has a long history of successfully completing projects, task assignments and providing sound advice to our aviation clients. Our success is due to a combination of effective project management, strong technical expertise, and a steadfast quality control program. With our depth of experience come lessons learned in airport design and construction. We focus on providing detailed plans, specifications and studies while being innovative in our project approaches. We believe the sampling of projects and task summarized below (ongoing or completed within the past five years) best illustrate our team's qualifications and experience relevant to this contract.

### *Fort Lauderdale Executive Airport (FXE) – General Aviation Engineering Consulting Services Contracts*

FXE is a high traffic General Aviation airport located in close proximity to the Fort Lauderdale-Hollywood International Airport (FLL). Kimley-Horn has served as a general consultant to the City of Fort Lauderdale for FXE for more than 18 years. In that role, we have completed numerous services, including the airfield-wide rehabilitation of airside signage, lighting, and electrical services; the rehabilitation of Runway 8-26 and relocation of Taxiway Hotel; the rehabilitation of Runway 13-31; a new Airport Rescue and Fire Fighting (ARFF) station; a fiber-optic communications system connecting the airport gate system to a central computer; security improvements; relocation of Taxiway Alpha; evaluation of the existing customs facility and site selection for a new facility, design of an Aviation Equipment and Services Facility; rehabilitation of Taxiway Bravo; an Airport Master Plan and Strategic Business Plan; a pavement management study; and numerous other projects. We have truly functioned as an extension of FXE's staff, filling the gaps and helping the City as it operates one of the busiest general aviation airports in the country.

In 2018 we were once again selected to provide the City with on-call General Engineering Services. The following is the list of current projects which have been assigned to us under this contract:

**Taxiway Intersection Improvement Project.** Fort Lauderdale Executive Airport's existing taxiways Hotel and Quebec connect existing aprons, located south of Taxiway Echo, directly to Runway 9-27. Recent revisions to Advisory Circular 150/5300-13A, Change 1, provide new guidance on apron layout and runway incursion prevention, discourage taxiways from being geometric configuration in this fashion. The FAA recommends providing movements to promote good situational awareness by forcing pilots to consciously make turns.

The City of Ft. Lauderdale has contracted with Kimley-Horn and Associates to bring this area of the airport into compliance with the Advisory Circular's changes. Kimley-Horn has prepared plans, specifications, and other Contract Documents to demolish Taxiways Hotel and Quebec between Taxiways Alpha and Echo. Removing these taxiways will eliminate direct access from the aprons to Runway 9-27. A new hot mixed P-401 asphalt Taxiway E4 has been

designed to replace Taxiway Hotel and Quebec. Taxiway E4 will be located between the demolished taxiways, forcing pilots make turning movements as they taxi between Taxiway Alpha and Echo.

Ancillary to the taxiway reconfiguration, existing Taxiway Echo required maintenance. Accordingly, the contract documents include the rehabilitation of a, approximately 1,900 linear feet by 50 feet wide, section of Taxiway Echo. The rehabilitation will be performed by milling 2 inches of and overlaying 4 inches of hot mixed P-401 asphalt. The extra 2 inches of asphalt were added to the taxiway to address larger plans which operate more frequently on Taxiway Echo.

The geometry and pavement thickness of the remaining sections of Taxiway Hotel and Quebec, south of Taxiway Echo, do not meet current Advisory Circular geometry criteria. The contract documents modify these locations to update the intersections and bring them into compliance with current standards. This will require the addition of approximately 3 inches of hot mixed P-401 asphalt.

The contract documents will include phasing plans which have been carefully prepared to minimize impacts to airfield operations and upgrades to the electrical system. All taxiway lights and guidance signs, which are currently incandescently lit, will be replaced with LED lighting. Taxiways will also be renamed to comply with FAA Engineering Brief 89.

**Signage Replacement Project.** The airport's airfield signage system is currently illuminated by incandescing lighting. The City has contracted with Kimley-Horn to prepare contract documents to convert the system from conventional to LED lighting. More specifically this project consists of the design of an LED runway and taxiway guidance signage system to replace the existing incandescent system airfield wide. The limits of work are the entire airfield except for the area just north of Runway 9-27's northern safety area. The design will consist of preparing plans, specifications, and other contract documents for the solicitation of competitive bids for the removal and replacement of the signage system. The construction is intended to be performed under seven phases. The scope will also include renaming nearly all of the taxiways to comply with FAA Engineering Brief 89, updating the airport lighting control and monitoring system in the air traffic control tower, updating the modifications to existing infrastructure which is to remain (such as the equipment in the electrical vault) and locating the new signs in conformance with FAA Advisory Circular (AC) 150/5300-13A Airport Design setbacks.





### *Belle Glade State Municipal Airport (X10) – General Engineering Contract*

Kimley-Horn currently provides on-call services to City of Belle Glade for the Belle Glade State

Municipal airport. These services were provided across all disciplines including, aviation planning, civil engineering, and environmental. Recent projects include:

**Runway 9-27 Rehabilitation.** The pavement on Runway 9-27, the airport's only runway, was in disrepair and was creating a potentially unsafe condition for operations. Despite the name of the project, the condition of the pavement was so poor that runway reconstruction was required due to loading, climate, and age distresses. In addition to the runway's pavement deficiencies, its geometry and pavement markings did not meet current FAA standards. The runway was also situated so an adjacent property encroached onto the runway's "object free area." The approach to Runway 9 was also obstructed by powerlines and tall trees.



Kimley-Horn provided design services to correct all these deficiencies. Full-depth pavement reconstruction was performed to address the pavement distresses. The original runway was demolished and realigned 35 feet to the south and 100 feet to the east, allowing the airport to correct its object-free area and obstruction issues. The runway was also widened to 60 feet to address FAA requirements and shortened slightly, on the west end, to mitigate other approach obstruction issues. The final dimensions for the runway are 3,450 feet by 60 feet, meeting all FAA General Aviation Facility requirements. Kimley-Horn also provided construction phase services and a full-time resident project representative to observe work. Based on this project the Florida Department of Transportation awarded Belle Glade 2016's General Aviation Airport of the year.



**Solar Power Lighting Project.** Prior to this project, Belle Glade State Municipal Airport was not lighted for nighttime operations. Per the airport's capital improvement plan, \$800,000 was earmarked for a future project to address this matter. City and State officials, however, anticipated that procuring the funds to install lighting would be difficult. Kimley-Horn, however, found an innovative solution for the lighting issue. For less money than would be required to design a conventional incandescent airfield lighting system, a solar LED lighting system could be designed, purchased, and installed. This project was the first time a solar-powered aviation lighting system has been installed at a publicly-owned airport in Florida. The Florida Department of Transportation used this project as a pilot study to determine if this solar lighting system is viable for other rural, unlit general aviation airports. Kimley-Horn's responsibilities consisted of designing the system and observing its installation.

**Environmental Contamination Assessment and Mediation Planning.** The western section of the airfield is heavily contaminated with several organochlorine pesticides (OCPs), including toxaphene and dichloro-diphenyl-trichloroethane (DDT). Kimley-Horn helped secure funding from the Florida Department of Transportation (FDOT) to allow for completion of additional site assessment, soil pilot study, feasibility study, and remediation design at the facility. Kimley-Horn is currently in the process of completing a feasibility study evaluating several options for remediation of soil. The feasibility study includes evaluation of future use plans for the facility and integration of site future development with cleanup.

## *Treasure Coast International Airport and Business Park Engineering and Planning Services, St. Lucie, FL*

Kimley-Horn was selected in 2020 to serve St. Lucie County on a continuing contract for various aviation services. To date we have been working on the following projects:

**Treasure Coast International Airport and Business Park NPDES Multi-Sector General Permit Compliance Services.** Kimley-Horn is providing environmental compliance services in support of Treasure Coast International Airport's Stormwater Pollution Prevention Plan (SWPPP). Tasks included conduction annual reviews, updating the SWPPP, conducting annual training, and renewal of NPDES permit.

**Treasure Coast International Airport and Business Park Limited Construction Phase Services Rehabilitation of Runway 14-32 and Related Work Project.** Kimley-Horn is providing Resident Project Representative (RPR) services for milling and overlay of Runway 14-32 plus Taxiway connectors.

## *Pompano Beach Airpark Continuing Services, Pompano Beach, FL*

Kimley-Horn has provided consulting services to this airport for more than 17 consecutive years. Completed tasks include a capital improvement plan update, airfield signage and lighting improvements, Taxiway Lima rehabilitation, Taxiway Mike extension, construction of T-hangars for private fixed based operator, and a five-year pavement maintenance management program. Recent projects include:

**Environmental and Grant Application for Runway 28 Extension.** Kimley-Horn provided environmental and grant application assistance services in support of the future design and construction of PMP's Runway 28 extension. This was recommended by FAA for the runway's construction.

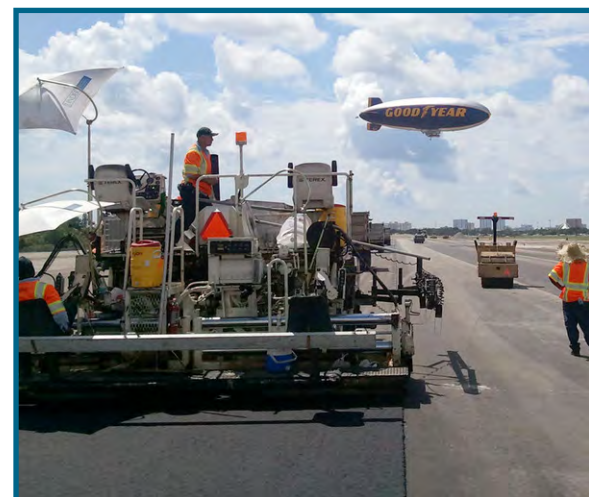
**Aircraft Traffic Control Tower (ACTC) Study.** Kimley-Horn coordinated with the City of Pompano Beach to determine potential locations for a new Aircraft Traffic Control Tower (ACTC) at the Pompano Beach Airpark (PMP). A due diligence report was provided for three (3) potential locations and preliminary site layouts, parking analysis, drainage requirements, potential water and sewer connections and airspace review coordination.

**Various Airspace Study Checklist and FAA Form 7460 Reviews and Submittals.** Working with the City of Pompano Beach, Kimley-Horn has been able to obtain airspace approval for ball field lighting in the community park, a new maintenance facility located on the airfield and have worked with developers intending to build facilities at the Air Park and throughout the City of Pompano Beach.

**Update to Airpark Master Plan.** Kimley-Horn was retained by Pompano Beach to update the Airpark's master plan for short, intermediate, and long-term development. Elements included the development and evaluation of airside alternatives, the preparation of cost estimates and capital programming, public involvement, and development of new airport layout plan drawing set documents. Alternatives studied included runway extensions, runway closure and replacement, new runways, and preferential runway utilization.

**Taxiway G Extension.** Kimley-Horn designed the relocation of the primary taxiway serving the Airpark's primary runway, Runway 15/33. The relocation was designed to be fully compliant with the geometry requirements implemented in FAA Advisory Circular (AC) 150/5300-13A, Change 1.

**Taxiway Kilo Relocation.** Kimley-Horn completed the design of the relocation of Taxiway Kilo at the Airpark and the project is currently being publicly bid. This will be the first federally funded project at the Airport in many years. The project includes the relocation of Taxiway Kilo to meet current FAA Design Standards. The taxiway is parallel to Runway 10-28 and is integral to the flow of traffic into and out of the south side of the airport. Runway 10-28 is the critical cross-wind runway supporting the primary Runway 15-33.





## TEAM EXPERIENCE

### Kenneth R. Carlson – Architect. P.A.

#### *FLL Westside Hangars, Fort Lauderdale, FL*

Architect and selected consulting engineers design and coordinated (8) Class "A" hangars with associated office support areas. Design included coordination of landside and airside access including taxi extension, security, civil engineering, landscape and structural engineering. Design involved use of metal building structure and combination of tilt panel construction for optimal cost and long-term maintenance. Total building footprint is in excess of 150,000 SF with state-of-the-art airside hangar doors. Support operations were designed as shall only for future client improvement.



#### *Pompano Air Park, Pompano Beach, FL*

Architect and his consulting landscape architect shall design and develop architectural and landscape documents as required to receive site plan approval. The Architect and the Client's consulting civil engineer and environmental engineer shall jointly represent the Client in generating a master site plan. The Architect will jointly represent the Client and his civil consultant at the Airport Authority meetings. He will aid the Team in generating a master plan for Airport Authority approval.



#### *Goodyear Hangar, Pompano Beach, Florida*

Architect designed a 7,776 sf addition to the existing 44,784 Airship Storage Facility. A new 760 sf hazard storage building. Also modified associated paving, expansion and adjusted northern property line by adding an additional .65 acres to the existing parcel.

### *Federal Aviation Administration Offices, Miramar, FL*

Architect custom designed this two (2) story tilt wall office building and developed 71,000 s.f. of tenant improvement documents for administration and general office space in accordance with the project's requirements as outlined in the Solicitation for Offers for FAA coordination of flights throughout South America.



Architect worked jointly with contractor to meet or exceed all required design and building deadlines. He generated shell documents in advance to acquire building permits. Simultaneously, he and the contractor jointly coordinated with the GSA contracting officer to develop the tenant improvement documents.

This fast-track procedure allowed us the Architect to aid the team in acquiring a certificate of occupancy 1.5 months in advance of the FAA move in date. The project remained in budget and design build construction issues were coordinated and worked out in the field.

### *Banyan Air Service, Fort Lauderdale Executive Airport*

The Banyan Air Service Fixed Base of Operations (F.B.O.) at Ft. Lauderdale Executive Airport intertwines Old Florida and Key West styles. Designed by Kenneth Carlson, this exciting structure features a whimsical entry tower, stirring the emotions of aviation enthusiasts while becoming Banyan Air's trademark. The project consists of a 25,000 SF aviation terminal and operations-related offices housed on the second story, and a 20,000 SF. maintenance hangar. The Architect chose to create a unique air side entry feature simulating a traditional control tower with a wind sock. To date, the building has received the City of Fort Lauderdale's Community

Appearance Board Award for Best Special Project Design (2007) and the Developer's and Builder's Alliance Community Advancement Award for Transportation Project of the Year (2008).



### *Spirit Airlines Training Center, Ft. Lauderdale International Airport*

Architect and Engineers to design and develop construction documents for an interior remodel of existing office space. Work to include site visit, demolition plan, revised floor plan, reflected ceiling plan, power plan, specifications, and detailing. MEP Engineer to design and develop plans to reflect requested changes. Work to include removal of existing partitions and construction of a new ceiling height wall to subdivide the room. Portions of the existing partitions will be reinstalled as requested by Owner. New door added into renovated space. Existing electrical, data, lighting, HVAC, and fire suppression to remain existing and be adjusted as required.





### *Sheltair FBO, Panama City, FL*

Architect designed the Fixed Base of Operations aviation facility. In addition, he coordinated the site development by integrating the site design of the FBO with the maintenance hangar, storage hangar, and parking lot. The building was designed to be a LEED certified facility. The architect incorporated design features such as maximizing daylight, energy conservation, and water reduction. The building shell was constructed of materials that were locally mined and manufactured, and the interior finishes all have low VOC characteristics. The design is only 5,000 s.f., but with good planning and incorporation of natural day-lighting, the facility has a grander feel to it. At its opening, the building received the Panama City Chamber of Commerce's Architectural Appearance Award.



## Quantum Electrical Engineering, Inc.

### *Pompano Beach Airpark East Access Entrance Security Gate and Lighting*

This project consists of the addition of an airport entrance gate and a westbound right turn lane, on NE 10th Street. The design includes a new entrance gate operator, gate loops, grounding, gate lighting, and electrical distribution systems. The design calls for coordination for the relocation of FP&L lighting systems along NE 10th Street impacted by the turn lane.

### *Pompano Beach Airpark Taxiway D Reconstruction and Construction Services*

This project included the design of the new electrical, signage & lighting system for Taxiway D reconstruction. The design included the layout & design of new LED lighting fixtures, new homerun connectors, and LED guidance signage. Quantum also conducted construction services including shop drawing review, field observations, provided RFI responses and pay application review.

### *Pompano Beach Airpark Runway 28 Extension and Related Work*

This project included the design of a 185' runway extension, new bypass taxiway connector and demolition of 3 "hot spot" taxiway connectors. The project included runway and taxiway lighting and signage system, relocation of existing REIL system on Runway 28 and the design of a new REIL system for Runway 33.

### *City of Pompano Beach North Riverside Drive Lighting Assessment*

This project included the assessment of the existing roadway lighting for North Riverside Dr. The assessment included review of the existing conditions, onsite photometric calculations with comparison to the City of Pompano Beach Lighting criteria.

## Stoner & Associates, Inc.

### *Broward County Aviation*

- Annual Runway Approach Surface Surveys
- Numerous Lease Parcel Surveys
- Design Surveys for Expansion of Airport Terminals

## Tierra South Florida

### *Pompano Air Park (PMP)*

- Runway 28 Extension and Related Work
- Access Road NE 10th Street
- Taxiway Delta Relocation/Replacement
- Taxiway Kilo
- Runway 15-33 Rehab
- Master Drainage Plan

### *Fort Lauderdale Executive Airport (FXE)*

- Taxiway G Rehab
- Taxiway H and Q Modifications
- Private Parking Lot – Parcel 21B
- Taxiway Intersection Improvements
- Aviation and Service (AES) Facility Expansion
- Airport Design Services for Maintenance Run-Up Area Expansion
- Runway 31 Bypass Taxiways

### *Fort Lauderdale-Hollywood International Airport (FLL)*

- Terminal 2 Connector Bump Outs
- Terminal 1 Repairs
- Terminal 2 Modernization
- Terminal Connector Bridge and Terminal 2 Bump-Outs
- Terminal 3 Connector Bump Outs
- Terminal 4 Expansion – Area A-1
- Terminal 4 Apron-Phases G1, G2 and G3
- Terminal 4 Federal Inspection Services Modernization
- Roadway & Garage Wayfinding Signage Project

### *North Perry Airport (HWO) Perimeter Security System*

SECTION 8

# Resumes



# Tom O'Donnell, P.E.

*Project Manager; Airfield; Construction Phase Services/Bidding Assistance; Grant/DBE Support*

## SPECIAL QUALIFICATIONS

- Staff engineer with 21 years of experience providing planning, design, and zoning services for various aviation and civil projects
- Thorough knowledge of Federal Aviation Administration (FAA) standards
- Responsible for performing obstruction evaluation and airspace analysis (Part 77)
- Responsible for performing structural calculations on a number of aviation and civil projects
- Provides drainage design, pavement design, lighting design, marking layout, signage design, obstruction evaluation, airspace analysis, and coordination with local, state and federal agencies

## PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, University of Florida, 2000
- Professional Engineer in Florida, #62478, February 14, 2005
- Colegio de Ingenieros y Agrimensores de Puerto Rico

## RELEVANT EXPERIENCE

### **City of Fort Lauderdale Executive Airport (FXE) General Engineering Consultant, Fort Lauderdale**

— Kimley-Horn has served as a general consultant to the City of Fort Lauderdale for FXE for more than 18 years. In that role, we have completed numerous services, including the airfield-wide rehabilitation of airside signage, lighting, and electrical services; the rehabilitation of Runway 9-27 (formerly 8-26) and relocation of Taxiway Hotel; the rehabilitation of Runway 13-31; a new Airport Rescue and Fire Fighting (ARFF) station; a fiber-optic communications system connecting the airport gate system to a central computer; security improvements; relocation of Taxiway Alpha; evaluation of the existing customs facility and site selection for a new facility, design of an Aviation Equipment and Services Facility; rehabilitation of Taxiway Bravo; an Airport Master Plan and Strategic Business Plan; a pavement management study; and numerous other projects. We have truly functioned as an extension of FXE's staff, filling the gaps and helping the City as it operates one of the busiest general aviation airports in the country. An abridge list of projects is discussed in greater detail below:

**Taxiway Intersection Improvement Project.** Project manager for a runway incursion mitigation project to remove direct access from apron areas to Runway 9-27. This project consisted of designing a new Taxiway E4, demolition of portion of Taxiways Hotel and Quebec which provide direct access from the apron area south of Taxiway Echo to Runway 9-27, rehabilitating approximately 1,900 linear feet of Taxiway Echo, and designing geometry corrections to the remaining portions of Taxiway Hotel and Quebec south of Taxiway Echo. The pavement design increased the thicknesses of Taxiway Echo, Hotel, and Quebec to address heavier and more frequent aircraft loading. The project also included the replacement of existing quartz taxiway guidance signs and edge lights with new LED lighting.

**Signage Replacement Project.** Project manager for the airfield wide replacement of runway and taxiway guidance signage. The project consisted of the design of an LED runway and taxiway guidance signage system to replace the existing quartz system. The limits of work covered the entire airfield except for the area just north of Runway 9-27's northern safety area. The construction is intended to be performed under seven phases to minimize operational impacts. The scope will also include renaming nearly all of the taxiways to comply with FAA Engineering Brief 89 and updating the airport lighting control and monitoring system in the air traffic control tower.

**Taxiway Charlie and Delta Rehabilitation.** Project manager for the Rehabilitation of Taxiways Charlie and Delta where approximately 1,400 linear feet of taxiway was rehabilitated through mill and overlay. The project also included the replacement of existing quartz taxiway edge lighting with new LED lighting and the application of asphalt rejuvenator. During the project's construction, Tom served as engineer-of-record supervising a team of engineers performing the construction phase services.



**Runway 8-26 Rehabilitation.** Staff engineer for the construction phase services for the airfield-wide rehabilitation of airside signage, lighting, and electrical services for Runway 8-26 rehabilitation (Recently re-designated Runway 9-27). Project included replacing the airfield lighting main vault electrical service for normal and emergency power systems and milling and overlaying of the main runway and restoring it back to design capacity. The design process included review of multiple phasing options to determine how best to complete construction with a minimum impact to tenants and airport users. Meetings were held with area contractors to validate the phasing options and with tenants and other stakeholders to determine which would cause the least disruption.

**Belle Glade State Municipal Airport (X10) General Engineering Contract, Belle Glade** — Kimley-Horn currently provides on-call services to City of Belle Glade for the Belle Glade State Municipal airport. These services were provided across all disciplines including, aviation planning, civil engineering, and environmental. Below are three of several projects which Tom has participated in:

**Runway 9-27 Rehabilitation.** Project manager for the relocation and reconstruction of Runway 9-27, the airport's only runway. Despite the name of the project, the condition of the pavement was so poor that runway reconstruction was required due to loading, climate, and age distresses. Full-depth pavement reconstruction was performed to address the pavement distresses. The original runway was demolished and realigned 35 feet to the south and 100 feet to the east, allowing the airport to correct its object-free area and obstruction issues. The runway was also widened to 60 feet to address FAA requirements and shortened slightly, on the west end, to mitigate other approach obstruction issues. The final dimensions for the runway are 3,450 feet by 60 feet, meeting all FAA General Aviation Facility requirements. Kimley-Horn also provided construction phase services and a full-time resident project representative to observe work.

**Perimeter Fencing Project.** Project manager for the design of a fencing system to secure the perimeter of the airport. Prior to this project the airport was largely unsecure. Access could be gained through unfenced agricultural fields located along the north and east side of the airport. Kimley-Horn designed approximately 10,000 linear feet of fencing and two vehicle gates to secure the airport. The project also included removal of existing fencing and gates which were in disrepair and clearing vegetation which could permit unauthorized access by bypassing the fencing or obstruct visibility to the airport's security perimeter.

**Solar Power Lighting Project.** Project manager for designing solar powered lighting to illuminate the runway's threshold and edges. Prior to this project Belle Glade State Municipal Airport was not lighted for nighttime operations. This project was the first time a solar-powered aviation lighting system has been installed at a publicly-owned airport in Florida. The Florida Department of Transportation used this project is currently performing a pilot study to determine if this solar lighting system is viable for other rural, unlit general aviation airports. Kimley-Horn's responsibilities consisted of designing the system and observing its installation.

**W Aviation FBO – Hangar A and B Development, Fort Lauderdale** — Project manager serving as an extension of staff for W Aviation on the development of Hangar A and B of their new fixed based operator (FBO) facility at Fort Lauderdale Executive Airport. W Aviation has been given the opportunity to develop two parcels of land, totaling approximately 10.5 acres. Their intent is to construct a multi-phase FBO facility consisting of four new hangars and a high end "front of house" customer center. Phase 1 consists of the development of Hangars A and B (two 20,000 SF hangars with two attached 2,400 SF offices), two connecting taxiways and an 85,000 SF apron. Kimley-Horn is managing this program and is responsible for coordinating with City, airport staff, all project consultants and contractors, and the municipality. Kimley-Horn is also responsible for designing airside improvements (aprons and connecting taxiways), security access, interior roadway design, traffic engineering, site entitlement procurement, and performing bid and construction phase administration services.

**City of Fort Lauderdale Executive Airport (FXE) Taxiway Foxtrot Rehabilitation, Fort Lauderdale** — Project manager for the Rehabilitation of Taxiways Foxtrot where approximately 4,500 linear feet of taxiway is proposed to be rehabilitated through mill and overlay. The project also included modifying existing taxiway fillets to match current FAA standards. These modifications consisted of constructing additional pavement adjacent to the taxiway, relocating existing quartz taxiway edge lighting, and updating the taxiway's marking. Tom served as engineer-of-record supervising a team of engineers performing the design.



# Carlos Maeda, P.E.

*Principal-in-Charge; Grant/DBE Support*

## SPECIAL QUALIFICATIONS

- More than 41 years of aviation, transportation, and public infrastructure experience
- Professional background includes administrative management and business development, in addition to technical experience in planning, design, and construction management of projects
- Fully bilingual (Spanish/English) with experience working on projects in Latin America

## PROFESSIONAL QUALIFICATIONS

- Master of Science, Management, Troy State University, 1988
- Bachelor of Science, Civil Engineering, University of Puerto Rico, 1978
- Professional Engineer in Florida, #41381, March 16, 1989
- Professional Engineer in Michigan and Puerto Rico
- Member: American Association of Airport Executives (AAAE); Florida Engineering Society; National Society of Professional Engineers (NSPE); Society of American Military Engineers (SAME); Airports Council International (ACI); Florida Airport Council (FAC)

## RELEVANT EXPERIENCE

### **Pompano Beach Airport, Taxiway G Grant Assistance, Pompano Beach**

Provided FAA technical support and grant support for the Relocation of Taxiway G. Kimley-Horn completed design of the Extension of Taxiway G in mid-2015. After discussions with the FAA's district office revealed that the project was a low priority for funding, the City asked Kimley-Horn to produce a brochure demonstrating the project's benefits to air travel and the surrounding community. The key to the brochure was explaining complex aviation concepts to the public. Kimley-Horn identified 15 safety enhancements included in the project. Then, they went to the Airpark's tenants and air traffic control tower and obtained signed letters in support of the projects. Finally, they analyzed the Airpark's noise contour map and showed how the project would reduce noise in the surrounding community, a big concern for the local residents and voters. Once the brochure was completed, Kimley-Horn identified likely advocates in the State and Federal legislatures. They reached out to their staffers and educated them about the benefits of this project not captured in the FAA's assessment criteria. The project is currently on a short list for FDOT funding.

### **Broward County Aviation Department, Airport Planning Consultant Services**

Principal-in-Charge and QA/QC reviewer. Kimley-Horn was selected as the prime consultant to lead the comprehensive airport planning services for Broward County Aviation Department (BCAD). The Kimley-Horn team is providing a wide range of professional and technical services in support of BCAD's airside, landside, and facilities planning initiatives. Project assigned to date include: North Perry Airport Interactive Airport Layout Plan/Three-Dimensional Airspace Analysis Programs (iALP/3DAAP), Review of Airports GIS Project, Port Everglades (PEV) Airspace Analysis, and North Perry Airport Runway Safety Enhancements EA.

### **Broward County Aviation Department, North Perry Airport Master Plan Update, Pembroke Pines**

— Principal-in-Charge and QA/QC reviewer. In addition to our on-call planning support to the Broward County Aviation Department (BCAD), Kimley-Horn is a key team member for the preparation of comprehensive master plan update for the North Perry Airport (HWO). HWO is a high activity General Aviation airport with four runways, multiple flight schools, and the third busiest contract Air Traffic Control Tower in the nation. It is also surrounded by residential uses that have resulted in local ordinances limiting operations by certain types of aircraft. The focus of this master plan update is to reevaluate previous development recommendations that may no longer be appropriate in terms of current market conditions and FAA airfield design criteria and standards. We are providing a comprehensive analysis of the airfield geometry and operational requirements at HWO including Hot Spot mitigation, taxiway geometry, runway length, Runway Protection Zone compliance, approach capability, circulation, and infrastructure.

**FDOT Aviation Office, Statewide Airfield Pavement Management Program - System Update** — Quality Control Manager. Provided in-house quality control inspections for the Kimley-Horn team that performed the Statewide Airfield Pavement Management Program (SAPMP) for the past four years. Field inspected airfield pavements independent of the inspections teams, and compared inspection results with those from the original inspection team. Worked with inspection team to reconcile differences, and adjust procedures as appropriate. The program included inspection of approximately 96 airports across Florida and preparation of reports.

**Fort Lauderdale Executive Airport (FXE), W Aviation FBO Hangar Development, Fort Lauderdale** — Project engineer. We served as an extension of staff for W Aviation on the development of their new fixed based operator (FBO) facility at Fort Lauderdale Executive Airport. W Aviation has been given the opportunity to develop two parcels of land, totaling approximately 10.5 acres, located at the Fort Lauderdale Executive Airport. Their intent is to construct a multi-phase FBO facility consisting of four new hangars and a high end “front of house” customer center.

**Orlando International Airport, South Airport Terminal Complex Phase I, Orlando** — FAA liaison for the Kimley-Horn team that has been serving the Greater Orlando Aviation Authority (GOAA) since 1992 on a variety of contracts. Projects have ranged from automated people mover planning and design, airfield pavement improvements, remote baggage screening facility, runway joint rehabilitation, master drainage analysis of the entire airport; stormwater; sanitary sewer and lift station improvements; FEMA floodplain analysis and master stormwater conceptual permitting; and AOA security fence upgrades. This spring we will commence work at GOAA on the South Airport Terminal Complex Phase I project. Kimley-Horn will serve as their airfield design engineer as well as a subconsultant on the landside portion of the same effort. The first stage of Phase I of the South Terminal Complex will consist of 16 gates. We will provide engineering design and coordination of utility, fueling, roadway, and drainage projects, in addition to a mass grading plan for the apron and taxiways, paving, electrical design, and much more.

**Aerostar, Safety Management System Implementation at San Juan Luis Munoz Marin International Airport, San Juan, PR** Project manager for the Kimley-Horn team leading the implementation of a Safety Management System (SMS) at Luis Muñoz Marin International Airport (SJU). The goal of the SMS implementation is to help foster a safety culture at SJU in which safety issues are proactively addressed and mitigated, and follow-up actions are actively monitored, as well as help anticipate the future FAA requirements on airport SMS once rulemaking becomes final. Components of this project include a gap analysis, SMS manual development, information reporting structure, overall program implementation, and recommendations on SMS training objectives and content. The gap analysis is currently being completed, which will immediately proceed into development of the SMS manual. The manual will contain all policies, responsibilities, and procedures for safety management, such as safety goals, objectives, reporting methods, and triggers for risk assessments. In addition, as part of this project, two safety risk assessments (SRAs) will be conducted, which will engage airport stakeholders in collectively identifying and mitigating safety risks on particular topics.

**Aerostar, San Juan Luis Munoz Marin International Airport (SJU), Runway 8/26 Rehabilitation (2014), San Juan, PR** — Project director for the Kimley-Horn team provided design of the pavement rehabilitation of Runway 8/26 and associated taxiway connectors. The project consisted of the rehabilitation of the center 9,300 feet of Runway 8/26, the taxiway connectors, and electrical work. The project included the mill and overlay of asphalt pavement on the runway and concrete rehabilitation work on the taxiway connectors as well as associated lighting and electrical work, pavement markings, grading, phasing as well as cost estimates, technical specifications and bidding assistance.

**Aerostar, Luis Munoz Marin International Airport (SJU), Runway 8/26 and Taxiway H Rehabilitation, Carolina, PR** — Project Engineer. Kimley-Horn was selected to rehabilitate failing pavement sections of Taxiway H and Runway 8-26. Runway 8-26 was narrowed from 200' to 150' to comply with the current FAA Advisory circulars. The connector taxiways to Runway 8-26 were extended to meet the new pavement configuration. The rehabilitation included new asphalt pavement sections, runway and taxiway lighting, runway and taxiway signage, new airfield cables, airfield markings, and relocated FAA PAPI system. Additionally, some Runway incursion mitigation steps were taken such as painting and lighting expansive pavements and blocking direct access to the runway from the adjacent apron.

**Antonio (Nery) Juarbe Pol Airport (ABO) Rehabilitation of Runway 8-26, Arecibo, PR** — Principal-in-charge for the rehabilitation of Runway 8-26 via mill and overlay of 6,250 tons of bituminous asphalt. Runway 8-26, ABO's only runway, is 3,963 ft x 60 ft. The scope of work included analysis of the runway's existing pavement to determine milling depths and capacity, design of a typical section to accommodate the airport's existing fleet mix, and design of an asphalt interlayer to bridge existing cracks which could not be milled out and prevent them from reflecting through the new asphalt. Responsible for asphalt (P-401) pavement design, grading, cross sections, profile, airfield marking, project phasing, opinion of cost, development of technical specifications, and engineer's report. The scope also included the development of an Airports Geographic Information System (Airports GIS) for ABO. This work included collecting airport, survey, aerial, aeronautical and obstruction data to create an Airport GIS system and electronic airport layout plan. Led construction phase services which included: reviewing contractor's work for conformance with the contract documents, reviewing and responding to requests for information, amending contract documents, and reviewing material test results.



# Paul Piro, P.E.

## *Quality Assurance/ Quality Control*

### SPECIAL QUALIFICATIONS

- 39 years of experience in engineering for aviation, municipal, industrial, and commercial projects
- Technical experience in the site engineering components of aviation development projects, including terminal renovation and new construction, airfield pavement rehabilitation for concrete aprons and bituminous ramps, crack seal and seal coating for taxiways and runways, AOA security fencing, rehabilitation of airfield pavements and landside roadway/utility improvements

### PROFESSIONAL QUALIFICATIONS

- Master of Science, Water Resources and Environmental Engineering, Villanova University, 1996
- Bachelor of Science, Civil Engineering, Merrimack College, 1984
- Professional Engineer in Florida, #53407, September 4, 1998
- Professional Engineer in Connecticut, Delaware, Maine, Massachusetts, New Jersey, Pennsylvania, South Carolina, and Texas
- Member: American Society of Civil Engineers (ASCE); Society of American Military Engineers (SAME); Florida Airport Council (FAC)

### RELEVANT EXPERIENCE

**Pompano Beach Airpark, Taxiway D Relocation, Pompano Beach** — Quality control reviewer. Taxiway D was planned to be demolished; however, after discussions with Air Traffic Control Tower personnel it was determined that the taxiway should remain in service. Kimley-Horn was retained to prepare construction plans and specifications to mill and overlay the segment between Taxiway Bravo and Runway 6/24. Project also involved preparing permits with Broward County and SFWMD.

**Fort Lauderdale-Hollywood International Airport, Rehabilitation of North Airfield Pavements (Runway 10L/28R), Engineered Material Arresting System Beds, and RIM, Broward County** — As project engineer, Paul was responsible for validating runway and taxiway geometry for compliance with the FAA criteria. Working with two analysts, Paul led the development of the project phasing and MOT plans. He also provided quality assurance and constructibility reviews for every benchmark submission. His effort ensured project quantities between the bid schedule, plans, and engineer's estimate were consistent between each other. Paul reviewed the project technical specification against the plans to ensure all work elements were covered by pay items.

**City of San Antonio, San Antonio International Airport, Runway and Taxiway Improvements (Rwy 12R/30L), San Antonio, TX** — Paul was accountable for the preparing the plans and specifications for the airfield markings. Paul provided quality assurance and constructibility reviews for every benchmark submission. His effort ensured project quantities between the bid schedule, plans, and engineer's estimate were consistent between each other. He also reviewed the project technical specification against the plans to ensure all work elements were covered by pay items.

**Daytona Beach International Airport (DAB), General Consulting Services, Daytona Beach** — Project manager. Paul manages this on-call contract that involves all disciplines from civil engineering to planning to cost estimating to environmental and project management. Tasks included extending taxiways, sanitary sewer force main extension, an ALP amendment; hangar feasibility analysis; airspace assessment for new developments; federal and state funding assistance and grant assurances; cargo facility analysis; independent fee reviews; miscellaneous civil engineering improvements; tree mitigation, and pavement inspection, strength analysis, and recommendations. Paul managed the team, contributed to production, lead the bidding phase and hands-on activity with construction administration services.

**Charlotte County Airport Authority, Architectural, Engineering, and Planning Services, Punta Gorda** — Paul manages this on-call contract with the Airport Authority. Task orders include Runway 15/33 and the Woodlawn relocation project. Paul prepared and negotiated scope and fee for various task orders. Paul led an in-house production team of three engineers and two designers for all production. Paul led internal weekly production meeting to set weekly goals. Every two weeks, Paul met with the client to report on task(s) production and schedule.



**Punta Gorda Airport, Rehabilitation and Extension of Runway 15/33 and Associated Taxiways, Punta Gorda** — Project manager. Kimley-Horn is providing design, bidding, and construction administration services to rehabilitate and extend Runway 15/33. Within the early phases of design, Kimley-Horn performed an extensive pavement condition analysis including a pavement coring program to fully understand the most economical approach for the rehabilitation. The rehabilitation consists of a nominal 1" profile milling and a 2" overlay of P/401 asphalt. The extension component of the project occurs at the Runway 33 end, which is being 593 feet for the full width of 150 feet. During design, Kimley-Horn coordinated regularly with airport staff. Engagement with stakeholders, such as ATCT Chief, FAA, Airlines, and Airport Operations, was necessary when preparing the construction safety and phasing plan. With a very stringent schedule to meet the deadline for FAA grant application, Kimley-Horn successfully prepared the contract documents on-time and fully coordinated with PGD staff exceeding their expectations for quality and service.

**Punta Gorda Airport, Runway 4/22 Rehabilitation and Reconstruction, Punta Gorda** — As project manager, Paul is responsible for all management and technical aspects of this project. With an in-house production crew consisting of one lead airfield engineer, one airfield engineer, and two CADD technicians, the contract documents were delivered to the Punta Gorda Airport under budget and on time. From the beginning, Paul met with senior Airport staff to discuss project scope and negotiate fee. He coordinated and scheduled the field survey and geotechnical investigation required for design. Kimley-Horn is providing professional consulting services for Runway 4/22, PGD's longest of the three runways at 7,193 feet long and is the primary runway used by commercial airliners. The runway was constructed in the 1940s and has endured decades of takeoffs and landings, so the center portion of the runway must be removed and reconstructed along its entire length. The remaining portion of the runway will be milled and resurfaced. Both portions of the runway will be paved with asphalt, and grooved and painted with runway markings. New blast pads also will be constructed at each end of the runway and new energy-efficient lighting will be installed.

**Sarasota Bradenton International Airport (SRQ) Taxiway Bravo Rehabilitation, Sarasota** — Project manager. Taxiway Bravo at the Sarasota Bradenton International Airport (SRQ) is a full-length parallel taxiway to Runway 4-22. This project included the rehabilitation of the Taxiway Bravo pavements north of Runway 14-32, including various taxiway crossings and pavement tie in locations. The scope of work included asphalt milling at various depths, asphalt paving, airfield markings, and reconstruction of a portion of the concrete ramp pavements adjoining the taxiway. In addition, the Taxiway Bravo edge light system was upgraded with new LED edge light fixtures and a new home-run circuit back to the airfield electrical vault and included the installation of a new constant current regulator to maximize efficiency of the new edge light system. The project limits exist within a busy section of the airfield that is consistently utilized by the Rectrix FBO and other general aviation tenants at SRQ. As such, during the development of the project's construction phasing, close coordination with SMAA engineering, maintenance, and operations staff, as well as Rectrix management was essential to preserve access and usability of the Taxiway Bravo pavements to the greatest extent possible during construction. Kimley-Horn completed an extensive geotechnical pavement coring program to analyze the various pavement sections within the project limits. Core strata were studied in detail to determine the appropriate mill depths required to properly restore the Taxiway Bravo pavements and avoid constructability issues, such as scabbing and shoving. In addition, while completing in-field due-diligence activities during design, Kimley-Horn determined that the existing Taxiway Bravo edge light circuit was in need of replacement. With no impact to the design schedule, Kimley-Horn took on the additional scope, working towards receiving bids within the funding cycle of FAA. The design was completed in March 2020 and construction is ongoing with an estimated construction cost of \$2,100,000.

**Southwest Florida International Airport (RSW), General Engineering Consultant and Project Specific Consultant, Fort Myers** Paul is part of the Kimley-Horn team for this on-call contract providing a wealth of civil engineering and construction phase services. Kimley-Horn has worked on 55 task orders that have included cargo ramp rehabilitation, taxiways, electrical lighting, security and IT services, environmental services, traffic studies, cost estimates, land development due diligence, pavement evaluations, aircraft loading bridge reconfiguration, passenger planning activities, curbfront studies, PA system upgrades, parking reviews, and garage structural repairs. As project engineer, Paul led the production team in preparing contract documents, coordinated deliverables with subconsultants, participated in client meeting, evaluated bids, and provided construction phase services.

**Southwest Florida International Airport (RSW), Rehabilitation of Airfield Pavements, Fort Myers** — Project engineer. Kimley-Horn was selected to provide design manager services for the rehabilitation of airfield pavements at RSW including taxiways, taxiway connectors, and aircraft parking ramps. Kimley-Horn led an extensive investigation of the pavement and subsurface conditions, which included visual observations, geotechnical investigation, geophysical testing, non-destructive testing, and topographic and utility surveying. The project also incorporated safety and electrical improvements for the airfield. Coordinating closely with LCPA and FAA-ADO staff, Kimley-Horn developed strategies to reduce the potential for runway incursions and mitigate airport hot spots. Efficient phasing coordination of this project was a top priority for Kimley-Horn, as RSW is a busy single-runway airport. Kimley-Horn is currently providing construction administration services for three construction projects under this program.



# Aris Tirado, P.E.

*Assistant Project Manager; Airfield;  
Landside; Drainage; Construction Phase  
Services/Bidding Assistance*

## SPECIAL QUALIFICATIONS

- More than seven years of experience in aviation experience in south Florida including work at Pompano Beach Airpark (PMP), Fort Lauderdale/Hollywood International Airport (FLL), Fort Lauderdale Executive Airport (FXE), and Southwest Florida International Airport (RSW).
- Design experience includes aviation on-calls, stormwater analysis, airfield geometric design, aircraft pavement design, airfield grading, drainage improvements, pavement markings, technical specification preparation, Aviplan modeling, preparation of opinion of probable costs, construction administration, submittals, and report preparation.
- Construction administration experience includes construction observation, submittal approvals, testing coordination, and labor compliance verification.

## PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, University of Puerto Rico, Mayagüez Campus, 2015
- Professional Engineer in Florida, #92600, October 13, 2021

## RELEVANT EXPERIENCE

**Pompano Beach Airpark, Taxiway G Extension, Pompano Beach** — Project analyst. Kimley-Horn designed the relocation of the primary taxiway serving the Airpark's primary runway, Runway 15/33. The relocation was designed to be fully compliant with the geometry requirements implemented in FAA Advisory Circular (AC) 150/5300-13A, Change 1. Aris was responsible of the construction phase services, which included the review of submittals, shop drawings, preparation and host of construction meetings with airport stakeholders. In addition, Aris was responsible of issuing permits and the development of record drawing.

**Aircraft Traffic Control Tower (ACTC) Study, Pompano Beach Airpark, Pompano Beach** — Project analyst. Aris coordinated with the City of Pompano Beach to determine potential locations for a new Aircraft Traffic Control Tower (ACTC) at the Pompano Beach Airpark (PMP). A due diligence report was provided for three (3) potential locations and preliminary site layouts, parking analysis, drainage requirements, potential water and sewer connections and airspace review coordination.

**Pompano Beach Airpark Environmental and Grant Application for Runway 28 Extension, Pompano Beach** — Project analyst. Aris put together Grant pre-application documents, provided opinion of probable costs, schedule and coordinated with the Federal Aviation Administration (FAA) for the extension of grant funds. Kimley-Horn provided environmental and grant application assistance services in support of the future design and construction of PMP's Runway 28 extension. This was recommended by FAA for the runway's construction.

**Pompano Beach Airpark Update to Master Plan, Pompano Beach** — Project analyst. Aris provided opinion of probable costs for multiple future projects. Kimley-Horn was retained by Pompano Beach to update the Airpark's master plan for short, intermediate, and long-term development. The last master plan was completed in 2008.

**Fort Lauderdale Executive Airport (FXE), Taxiway Foxtrot Pavement Rehabilitation, Fort Lauderdale** — Aris was responsible for the development of construction documents, including grading, drainage and pavement geometry plans, specification review, ICPR stormwater modeling, opinion of probable costs (OPC), and construction phase services.

**Fort Lauderdale-Hollywood International Airport (FLL), Terminal 4 Expansion, Fort Lauderdale** — Project analyst for the Kimley-Horn team for the replacement of Terminal 4 at Fort Lauderdale-Hollywood International Airport (FLL), which is a phased program to replace the existing Concourse H. The existing Concourse aircraft parking configuration has significant conflicts with the new Runway 9R-27L and the new program will resolve these issues. The program, when complete, will consist of 14 gates that replace the existing 10 gate Concourse H. The new facilities will provide more concessions, passenger amenities, and be a more environmentally-friendly facility than the existing Concourse. Once completed, the project will be the most modern building at FLL.

**Fort Lauderdale-Hollywood International Airport, Rehabilitation of North Airfield Pavements (Runway 10L/28R), Engineered Material Arresting System Beds, and RIM, Broward County** — Aris was responsible for in aiding the development of alternatives for mitigation, preparing construction documents, including, geometry, phasing, maintenance of traffic, marking and grading plan, coordination with airport stakeholders, construction administration services and assistance in the development of the submittal for the airport data and information portal (ADIP) system.

**Sheltair Northside Fixed Base Operator (FBO) at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale** — Project analyst. Kimley-Horn worked with Sheltair to develop a fixed base operator (FBO) on the north side of FXE. We prepared construction drawings for site improvements that included hangar and office space and taxiway relocation. Kimley-Horn assisted the architect with processing the site plan by providing conceptual engineering drawings identified in the scope of work.

**Southwest Florida International Airport (RSW), General Engineering Consultant and Project Specific Consultant, Fort Myers** Project analyst. Kimley-Horn was selected for a seven-year contract to provide planning and design services to evaluate and expand the airside facilities to accommodate growth at the new midfield terminal complex at Southwest Florida International Airport (RSW). Aris worked on the following projects: RSW Gate 64 Relocation, RSW Hardstand Aircraft Parking, and RSW Geometry Evaluation. He was responsible for reviewing the existing conditions and providing alternatives for improvements, designed the apron expansion geometry and marking development, mitigated hot spots area, developed construction plans, including grading and drainage plans, opinion of probable costs, prepared exhibits and presentations for stakeholder meetings.

**Southwest Florida International Airport (RSW), Rehabilitation of Airfield Pavements, Fort Myers** — Aris was responsible for the development of existing conditions review, grading, drainage and pavement, marking plan, Aviplan modeling, geometry review and improvements. Aris prepared presentations for airport stakeholders, opinion of probable costs and stormwater modeling and assisted with submittals during the project construction.

**Watson Island Aviation Transportation Facility, Miami** — Project analyst. Working with a private developer, Kimley-Horn is provided construction drawings, construction phase services, and permitting assistance for this multi-phase development to include helicopter landing facilities, a fuel farm, hangars, and office space on Miami's waterfront. Kimley-Horn provided permitting assistance with the FAA and Miami regulatory agencies including the DRER and Building and Zoning departments.

**Lee County Port Authority, Southwest Florida International Airport (RSW), Apron Expansion and Airfield Improvements (2009), Fort Myers** — Project analyst. Phase I of the program included portions of the cross-field taxiway for the new parallel runway. Kimley-Horn, as subconsultant to the program manager provided geometry and pavement marking plans and overall quality control reviews. Aris has also worked on the following projects: RSW Gate 64 Relocation, RSW Hardstand Aircraft Parking, RSW Geometry Evaluation.

**Jetscape Westside Fixed Based Operator (FBO), Fort Lauderdale/Hollywood International Airport (FLL), Fort Lauderdale** Project analyst. Kimley-Horn worked with Azorra Aviation, LLC to develop a fixed based operator at the westside of FLL. Kimley-Horn prepared construction drawings for site improvements that included hangars, office and apron space. Aris developed drainage design and analysis, site plan, demolition plan and water and sewer plans. Provided assistance in project permitting.

**Aerostar, Luis Munoz Marin International Airport (SJU), Runway 8/26 and Taxiway H Rehabilitation, Carolina, PR** — Aris was responsible for managing the design and preparation of construction documents, prepared specifications and provided quality control for project, put together permits, developed the engineer's report and Construction Safety Phasing Plan (CSPP).

**Aerostar, San Juan Luis Munoz Marin International Airport (SJU), Taxiway H Reconstruction, Carolina, PR** — Aris was responsible for managing the preparation of the construction documents, specification review, developing opinion of probable costs and quality control.

**FDOT Aviation Office, Statewide Airfield Pavement Management Program - System Update** — Project analyst. Kimley-Horn performed as lead consultant to the FDOT in the update of the statewide airfield pavement management program for the past four years. Duties included personal inspection of 96 public airfield facilities throughout the seven FDOT districts in accordance with ASTM 5340 and the Federal Aviation Administration Advisory Circular 150/5380-6C. Utilized USACE MicroPAVER to perform condition analysis, future pavement performance, and major maintenance/ rehabilitation (M&R) for the statewide airports.



# Julia Focaracci, P.E.

## *Airfield*

### SPECIAL QUALIFICATIONS

- Nine years of experience with aviation projects in south Florida, including at Pompano Beach Airpark (PMP), Fort Lauderdale Executive Airport (FXE), Fort Lauderdale-Hollywood International Airport (FLL), and Southwest Florida International Airport (RSW)
- Experience includes airfield geometric design, pavement design, airfield grading, drainage improvements, pavement markings, technical specification preparation, airspace permitting, and preparation of opinions of probable cost
- Completed FDOT Pavement Management Training
- Software experience includes AutoCAD

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, University of Florida, 2013
- Professional Engineer in Florida #85434, June 23, 2018
- Florida Department of Transportation APMS PCI Survey Certified
- Member: American Society of Civil Engineers (ASCE)

### RELEVANT EXPERIENCE

**Pompano Beach Airpark Continuing Services (including Runway 15/33 Rehabilitation), Pompano Beach** — Project engineer. Kimley-Horn has provided consulting services to this airport for more than 20 consecutive years. Recently completed tasks include a capital improvement plan update, airfield signage and lighting improvements, Taxiway Lima rehabilitation, Taxiway Mike extension, construction of T-hangars for private fixed based operator, and a five-year pavement maintenance management program.

**Pompano Beach Air Park, Taxiway D Relocation, Pompano Beach** — Project engineer. Kimley-Horn was retained by Pompano Beach to provide design, bidding, site development, and construction phase services for the relocation of Taxiway Delta. Tasks included burrowing owl and gopher tortoise site surveys, development of plans, permitting assistance, bid assistance and construction phase services. Julia was responsible for development of airfield geometry plans.

**Goodyear Hangar Expansion at the Pompano Beach Air Park, Pompano Beach** — Project engineer. The project adjusted the landside parking/drive aisles to accommodate new support equipment, increased the airside mooring circle and apron to accommodate the new Airship, and regraded the area south of the hangar to alleviate flooding.

**Various Airspace Study Checklist and FAA Form 7460 Reviews and Submittals, Pompano Beach** — Project analyst. Working with the City of Pompano Beach, Kimley-Horn has been able to obtain airspace approval for ball field lighting in the community park, a new maintenance facility located on the airfield and have worked with developers intending to build facilities at the Air Park and throughout the City of Pompano Beach.

**Southwest Florida International Airport (RSW), General Engineering Consultant and Project Specific Consultant, Fort Myers** — Deputy project manager. Kimley-Horn was selected in 2011 as one of the General Engineering Consultants for the Lee County Port Authority which operates both Southwest Florida International Airport (RSW) and Page Field (FMY). Kimley-Horn was assigned more than 50 tasks, including the development of the Mitigation Park Evaluation Report, TSA Security Checkpoint Evaluation, Parcel Development Evaluation, Runway 6-24 Pavement Classification, Federal Tiger Grant Application Assistance, emergency drainage repairs following Hurricane Irma (2017), Security Gate 64 Relocation, terminal apron parking evaluation and restriping, emergency taxiway repairs. Kimley-Horn specialties used to date include security and IT services, environmental services, traffic studies, cost estimates, land development due diligence, pavement evaluations, aircraft loading bridge reconfiguration, passenger planning activities, curb front studies, public announcement system upgrades, parking reviews and garage structural repairs.



Additionally, Kimley-Horn has been active in using local small business in introducing them to the airport environment and mentoring them in developing aviation design related skills. Julia was responsible for managing a variety of airside and landside task work orders during the last four years of the contract. Julia developed construction drawings, technical specifications, and cost estimates for emergency repairs to Taxiway F and for the relocation of Security Gate 64. Julia also developed hardstand aircraft parking alternatives for future concourse improvements. Julia managed specialty subconsultants in the evaluation of RSW's IT infrastructure and vibration monitoring of the terminal building due to local blasting activities.

**Fort Lauderdale-Hollywood International Airport (FLL) Jetscape FBO Development, Broward County** — Project engineer. Kimley-Horn is working with a local architect for the development of a fixed base operator facility (FBO) on the west side of FLL. We prepared construction drawings for Phase I site improvements.

**Sheltair Northside Fixed Base Operator (FBO) at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale** — Project manager. Kimley-Horn worked with Sheltair to develop a fixed base operator (FBO) on the north side of FXE that was recently completed in 2020. We prepared construction drawings for site improvements that included hangar and office space and taxiway relocation. Kimley-Horn assisted the architect with processing the site plan by providing conceptual engineering drawings identified in the scope of work.

**Fort Lauderdale-Hollywood International Airport (FLL), Terminal 4 Expansion, Fort Lauderdale** — Project engineer. The replacement of Terminal 4 at Fort Lauderdale-Hollywood International Airport (FLL) is a phased program to replace the existing Concourse H. The existing concourse aircraft parking configuration has significant conflicts with the new Runway 10R/28L and the new program will resolve these issues. The program consists of 14 gates that replace the existing 10-gate Concourse H. The new facilities will provide more concessions, passenger amenities, and be a more environmentally friendly facility than the existing concourse.

**Fort Lauderdale-Hollywood International Airport, Rehabilitation of North Airfield Pavements (Runway 10L/28R), Engineered Material Arresting System Beds, and RIM, Broward County** — Kimley-Horn provided professional engineering services to rehabilitate Runway 10L/28R and other airfield pavements (Taxiways A, B, C, D and Q) at FLL to maintain the primary runway and other airfield pavements in good operational condition. The scope of services included geometric review of the airfield pavement, assessment of hot spot and runway/taxiway end geometry, runway incursion mitigation (RIM) design, existing pavement evaluation, runway and taxiway rehabilitation options benefit-cost analysis, Engineered Materials Arresting System (EMAS) evaluation and options review, environmental permitting review and development options, topographic survey, electrical systems inventory and review, stakeholders review, existing utilities review, and construction documents and design phase services. Julia was responsible for escorting and overseeing the geotechnical testing subconsultant on the airfield during preliminary design, evaluating the existing airfield geometry for conformance with new geometry requirements of the Advisory Circular, evaluating airfield hot spots and developing alternatives for mitigation, preparing construction documents including pavement geometry and marking plans, airport stakeholder coordination, assisting with construction administration services, and calculating the new PCN value for the rehabilitated runway.

**Southwest Florida International Airport (RSW), Rehabilitation of Airfield Pavements, Fort Myers** — Julia was responsible for the pavement design, airfield geometry evaluation and improvements, including AviPlan aircraft modeling, opinions of probable cost, managing the preparation of construction documents, airspace permitting, leading working group meetings with airport stakeholders, and bidding and construction phase services.



# Kevin Scott, E.I.

## *Airfield; Construction Phase Services/ Bidding Assistance*

### SPECIAL QUALIFICATIONS

- More than three years of experience with engineering for aviation.
- Has provided pavement management inspections
- Experienced in on field construction RPR inspection services

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Architectural Engineering, University of Miami, 2019
- Engineering Intern Florida, #1100024170, 2020
- FDOT Pavement Management Certification

### RELEVANT EXPERIENCE

**Aircraft Traffic Control Tower (ACTC) Study, Pompano Beach Airpark, Pompano Beach** — Project analyst. Kimley-Horn worked with the City of Pompano Beach to determine potential locations for a new Aircraft Traffic Control Tower (ACTC) at the Pompano Beach Airpark (PMP). A due diligence report was provided for three (3) potential locations and preliminary site layouts, parking analysis, drainage requirements, potential water and sewer connections and airspace review coordination.

**Fort Lauderdale Executive Airport (FXE), Taxiway Foxtrot Pavement Rehabilitation, Fort Lauderdale** — Project analyst for the rehabilitation of Taxiways Foxtrot where approximately 4,500 linear feet of taxiway is proposed to be rehabilitated through mill and overlay. The project also included modifying existing taxiway fillets to match current FAA standards. These modifications consisted of constructing additional pavement adjacent to the taxiway, relocating existing quartz taxiway edge lighting, and updating the taxiway's marking.

**Fort Lauderdale-Hollywood International Airport, Rehabilitation of North Airfield Pavements (Runway 10L/28R), Engineered Material Arresting System Beds, and RIM, Broward County** — Project analyst. The Broward County Aviation Department (BCAD) has selected Kimley-Horn to provide professional engineering services associated with the rehabilitation of Runway 10L/28R and other airfield pavements at Fort Lauderdale-Hollywood International Airport (FLL). This Capital Improvement Project will enable BCAD to maintain the primary runway, 10L-28R, and other airfield pavements in good operational condition. Project tasks include traffic modeling, fleet mix turning analysis, geometric evaluation, hot spot reconfiguration, pavement evaluation, pavement rehabilitation design, rehabilitation options evaluation, and life cycle cost analysis. The project will also include replacement of the EMAS beds and jet blast deflectors.

**Southwest Florida International Airport (RSW), General Engineering Consultant and Project Specific Consultant, Fort Myers** — Team member for the Kimley-Horn team that was selected in 2011 as one of the General Engineering Consultants for the Lee County Port Authority which operates both Southwest Florida International Airport (RSW) and Page Field (FMY). To date, Kimley-Horn has been assigned more than 50 tasks, including Mitigation Park Evaluation Report, Checkpoint Evaluation, Parcel Development Evaluation, Runway 6-24 Pavement Classification, and Federal Tiger Grant Application Assistance. Kimley-Horn specialties used to date include security and IT services, environmental services, traffic studies, cost estimates, land development due diligence, pavement evaluations, aircraft loading bridge reconfiguration, passenger planning activities, curb front studies, PA system upgrades, parking reviews and garage structural repairs. Additionally, Kimley-Horn has been active in using local small business in introducing them to the airport environment and mentoring them in developing aviation design related skills.

**Southwest Florida International Airport (RSW), Rehabilitation of Airfield Pavements, Fort Myers** — Team member. Kimley-Horn was selected to provide design manager services for the rehabilitation of airfield pavements at RSW including taxiways, taxiway connectors, and aircraft parking ramps. Kimley-Horn led an extensive investigation of the pavement and subsurface conditions, which included visual observations, geotechnical investigation, geophysical testing, non-destructive testing, and topographic and utility surveying. The project also incorporated safety and electrical improvements for the airfield. Coordinating closely with LCPA and FAA-ADO staff, Kimley-Horn developed strategies to reduce the potential for runway incursions and mitigate airport hot spots. Efficient phasing coordination of this project was a top priority for Kimley-Horn, as RSW is a busy single-runway airport. Kimley-Horn is currently providing construction administration services for three construction projects under this program.

**Aerostar, San Juan Luis Munoz Marin International Airport (SJU), Taxiway H Reconstruction, Carolina, PR** — Project analyst. Kimley-Horn is providing design and construction phase services for the SJU Taxiway H reconstruction. Taxiway H is the parallel taxiway to Runway 10/28. The project consists of the full depth portland cement concrete pavement reconstruction of the western portion of the taxiway approximately 3,400 feet long and 75 feet wide and associated taxiway connectors. The scope includes geotechnical investigations, survey, subsurface utility exploration, construction specifications and plans, bid, permitting and construction phase services.

**Virgin Islands Port Authority, Cyril E King International Airport Commercial Apron Reconstruction Phase I, VI** — Team member. Kimley-Horn was selected by the Virgin Islands Port Authority (VIPA) to provide Design and Bid Phase Services for Commercial Apron Pavement Reconstruction – Phase I Project at Cyril E King International Airport (STT) (St. Thomas, USVI). The project was located on the northeast corner of STT's commercial service apron, between Gate 2 and Gate 3. The existing Portland cement concrete (PCC) pavements (approximately 4,000 S.Y.) in this area were aging, showing signs of distress, and needed to be repaired or reconstructed. Kimley-Horn prepared a finite element model of the existing pavement using the FAA's FAARFIELD computer modeling software. This permitted Kimley-Horn to analyze the existing pavement, prepare repair details, technical specifications, and other contract documents suitable for soliciting competitive bids. The scope of services also included providing new position configurations for the aircraft anticipated to be served by existing gates. Parking positions were then layout using AviPLAN. Marking plans were developed based on the AviPLAN analysis. The design included the relocation of loading bridges and fueling stations.



# Hassan Osman

*Airfield; Construction Phase Services/  
Bidding Assistance*

## SPECIAL QUALIFICATIONS

- More than two years of experience within the aviation field ranging from airport planning to rehabilitation and construction
- Has contributed to projects at Pompano Beach Airpark (PMP), Fort Lauderdale Executive Airport (FXE), Fort Lauderdale-Hollywood International Airport (FLL), Cyril E. King Airport (STT), Luis Munoz Marin International Airport (SJU), and Treasure Coast International Airport (FPR)
- Specializes in pavement design, drainage design, airspace permitting, preparation of conformed documents as well as opinion of probable costs

## PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, University of Toledo, 2020

## RELEVANT EXPERIENCE

### **Pompano Beach Airpark, Relocation of Taxiway Delta, Pompano Beach**

Project analyst. Taxiway D was planned to be demolished; however, after discussions with Air Traffic Control Tower personnel it was determined that the taxiway should remain in service. Kimley-Horn was retained to prepare construction plans and specifications to mill and overlay the segment between Taxiway Bravo and Runway 6/24. Project also involved preparing permits with Broward County and SFWMD. Hassan was responsible for field observation as well as on-site data collection. Hassan was responsible for airfield geometry designs and revisions, management and preparation of construction documents and pavement design.

### **Pompano Beach Airpark Environmental and Grant Application for Runway 28 Extension, Pompano Beach**

Project analyst. Kimley-Horn provided environmental and grant application assistance services in support of the future design and construction of PMP's Runway 28 extension. This was recommended by FAA for the runway's construction.

### **Fort Lauderdale Executive Airport (FXE), Taxiway Foxtrot Pavement Rehabilitation, Fort Lauderdale**

Project analyst. Kimley-Horn was retained by the City of Fort Lauderdale to provide services for the pavement rehabilitation of Taxiway Foxtrot at Fort Lauderdale Executive Airport. The project includes the milling, resurfacing and reconstruction of 2,700 LF of airfield pavement along the western portion of Taxiway Foxtrot, including the reconstruction of the taxiway intersections to conform with current Federal Aviation Administration (FAA) Advisory Circular 150/5300-13A, change 1, relocation of airfield guidance signs and taxiway edge lights, and pavement striping. P-608 seal coat will be applied as an asphalt rejuvenation along Taxiways B, F5, L, and P north of the runway safety areas.

Services on the project include engineering planning, design, construction observation, surveying, environmental, electrical, geotechnical testing and analysis, asphalt pavement testing services, preparation of opinion of probable construction cost, scheduling, and grant support services. Hassan had the responsibilities of reviewing and approving pay applications. Additionally, Hassan assisted in the formation of the construction documents and plans, performed site visits as well as coordinating with the airport and FAA during construction.

### **Fort Lauderdale-Hollywood International Airport (FLL), Terminal 4 Expansion, Fort Lauderdale**

Project analyst for the Kimley-Horn team for the replacement of Terminal 4 at Fort Lauderdale-Hollywood International Airport (FLL), which is a phased program to replace the existing Concourse H. The existing Concourse aircraft parking configuration has significant conflicts with the new Runway 9R-27L and the new program will resolve these issues. The program, when complete, will consist of 14 gates that replace the existing 10 gate Concourse H. The new facilities will provide more concessions, passenger amenities, and be a more environmentally-friendly facility than the existing Concourse. Once completed, the project will be the most modern building at FLL.

**American Airlines, MIA-D60 E175 Gantries and Concrete at Miami International Airport, Miami** — Project analyst. Kimley-Horn is providing construction documents for a new aircraft parking position configuration at Gate D-60 at Miami International Airport. The current configuration has four parking positions, D-60B, D-60F, D-60M, and D-60B for Embraer 145 aircraft. American Airlines is converting these to serve as parking positions for Embraer 175 aircraft with portland cement concrete. The work requires new concrete pavement design at the parking positions to facilitate the larger aircraft, approximately 5,000 SF. Additionally, the vehicle service drive will be modified to allow for new aircraft containment lines at the D-60B and D-60F.

**Southwest Florida International Airport (RSW), Rehabilitation of Airfield Pavements, Fort Myers** — Project analyst. Kimley-Horn was selected to provide design manager services for the rehabilitation of airfield pavements at RSW including taxiways, taxiway connectors, and aircraft parking ramps. Kimley-Horn led an extensive investigation of the pavement and subsurface conditions, which included visual observations, geotechnical investigation, geophysical testing, non-destructive testing, and topographic and utility surveying. The project also incorporated safety and electrical improvements for the airfield. Coordinating closely with LCPA and FAA-ADO staff, Kimley-Horn developed strategies to reduce the potential for runway incursions and mitigate airport hot spots. Efficient phasing coordination of this project was a top priority for Kimley-Horn, as RSW is a busy single-runway airport. Kimley-Horn is currently providing construction administration services for three construction projects under this program.

**Aerostar, Luis Munoz Marin International Airport (SJU), Runway 8/26 and Taxiway H Rehabilitation, Carolina, PR** — Hassan's responsibilities included aiding and contributing to developing an engineer's report, opinion of probable cost, and other construction documents. Hassan also assisted in the design and revisions of the hauling, phasing, and geotechnical plan sheets.

**Virgin Islands Port Authority, Cyril E King International Airport Commercial Apron Reconstruction Phase I, VI** — Hassan was responsible for Aviplan aircraft modeling as well as the preparation of project presentations that were presented to airport stakeholders.

**Virgin Islands Port Authority, Cyril E. King International Airport Parking Garage and Transportation Center, VI** — Project analyst. The Virgin Islands Port Authority (VIPA), an autonomous agency that manages both the airports and most of the public seaports in the U.S. Virgin Islands, has retained the assistance of Kimley-Horn for civil and structural engineering services for developing construction documents for a new parking and transportation center at the Cyril E. King Airport in St. Thomas, Virgin Islands. The proposed area of construction is located on the existing surface parking east of the existing airport terminal. The proposed parking garage will provide approximately 500 parking spaces for visitors, employees, and rental car operations. Associated with the parking garage, the project will include limited pedestrian connections through the existing roadway and limited roadway improvements within the Airport.





# Stefano Viola, P.E.

## *Landside; Drainage*

### SPECIAL QUALIFICATIONS

- More than 16 years of engineering experience, including roadway restoration/resurfacing, drainage modeling, water/wastewater utility design, stormwater master planning, preparation of engineering drawings, permitting, and site/plan preparation and review
- Prior to joining Kimley-Horn, served as Sergeant in the United States Marine Corps for five years
- Experience with AutoCAD, WaterCAD, StormCAD, and Cascade

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, Florida International University, 2007
- Professional Engineer in Florida, #74655, June 8, 2012
- Member: American Society of Civil Engineers (ASCE); Florida Engineering Society

### RELEVANT EXPERIENCE

**Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale** — Project manager. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

**North Aviation Business Park at the Piarco International Airport, Trinidad and Tobago, West Indies** — Project engineer. Also provided utility coordination. Kimley-Horn provided design services for the 68-hectare North Aviation Business Park (NABP) Phase I infrastructure improvements at the Piarco International Airport on the Island of Trinidad for the Airports Authority of Trinidad and Tobago (AATT). Work included providing design of roadways, earthwork, water distribution mains, sewer collection and transmission mains, electrical distribution lines, streetlights, dry utility conduits, box culverts, and drainage improvements.

**McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects, Pompano Beach** Project engineer. Kimley-Horn is currently serving the City of Pompano Beach to provide design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas. Kimley-Horn is leading permitting of this project, including USCG, SFWMD, and Broward County.

**Pompano Beach McNab Road Improvements, Pompano Beach** — Project manager. This streetscape improvements project was part of the City's GO Bond program and included one mile of McNab Road from S. Cypress Creek Road to US 1. The project includes the new 10' wide sidewalks, drainage improvements, as well as roadway improvements that include reconfiguration of the alignment to account for the removal and replacement of the Cypress Creek Canal bridge. Additionally, the project includes native landscaping, lighting, pervious pavers, as well as bus shelter and associated amenities to improve the pedestrian experience. The Kimley-Horn team designed critical drainage improvements that modify existing infrastructure to account for roadway improvements, while also maintaining existing driveway connectivity. Drainage permitting for the project was done through the Broward County Environmental Protection Department. The team will also provide limited construction phase services.

**Pompano Beach Tri-Rail Station Improvements, South Florida Regional Transportation Planning Authority (SFRTA)** — Served as project manager and project engineer. Responsible for overseeing and design of the construction documents for SFRTA's improvements to the existing Tri-Rail Station at Pompano Beach. The proposed improvements included widening the existing platforms to 25 feet and constructing a canopy to meet the South Florida Regional Transportation Authority's (SFRTA's) current station design guidelines; providing modifications to access ramps connecting to the new station platforms required for Americans with Disabilities Act (ADA) compliance; constructing a new pedestrian overpass; removal of existing and construction of new customer service kiosks and employee restroom; existing parking lot modifications to improve bus circulation, taxi staging areas, and kiss & drop-off areas; addition of benches, bike racks and lockers; landscaping; installation of energy efficient LED lighting, machine room-less elevators and solar panels for electric generation; and retrofitting and upgrading the existing drainage facilities. The project also included many green elements that were vital in obtaining Silver LEED® certification.

**Margate City Center Stormwater Master Permit, Margate** — Project manager. The Margate CRA selected Kimley-Horn to prepare a conceptual stormwater master plan for their 43.7-acre downtown area. The project area included a complete stormwater system re-design to incorporate the proposed development, which will include garden style apartments, townhomes, mid-rise condominiums, civic uses, and commercial developments. The project also included the preparation of a master drainage model (created using the ICPR software), an evaluation of the existing drainage system within this area, the creation of drainage basin delineations and maps, a complete hydraulic/hydrologic analysis of the area, and the proposed master conceptual drainage improvement plans. Kimley-Horn was successful in obtaining a new conceptual permit through the Broward County Surface Water Management Section, as well as a new conceptual ERP permit through the South Florida Water Management District.

**City of Hollywood Continuing Services Contract for Utilities and Infrastructure, Hollywood** — Project engineer. Kimley-Horn has been serving the City of Hollywood since 2011 on a variety of utility and infrastructure projects including: South Park Road 16-inch Force Main Upgrade; Water Main Replacement Program 11-5110 – Hollywood Blvd. to Pembroke Road, I-95 to S. 26th Avenue; Water Main Replacement Program 12-5114 – Hollywood Blvd. to Pembroke Road, S. 26th Avenue to S. Dixie Highway; and 6-inch to 16-inch Water Main Replacement Program 14-5122 – Hollywood Blvd. to Moffett Street, U.S.1 to Intracoastal Waterway (Phase III). Kimley-Horn's services include design and preparation of construction documents, regulatory assistance, assistance with bid and award of the construction contract, and construction administration services.

**SW 67th Avenue Design, Davie** — Project manager for an extension of the Town's existing roadway from NW 41st Court south to Orange Drive. The expansion provided approximately 1,400 linear feet of a new 2-lane roadway that included roadway swales and exfiltration trench for drainage. Along with the roadway and drainage improvements, the project included an 8-foot-wide sidewalk addition to improve pedestrian and equestrian traffic through the Town. Once completed the project will provide additional access to the area schools and help alleviate the traffic on Davie Road extension.

**Miami Shores Village, Shores Estates Drainage Improvements, Miami Shores Village** — Project manager. Kimley-Horn is providing professional engineering services for the design and construction of a drainage collection system with water quality treatment measures for the residential neighborhood known as Shores Estates. Improvements consist of underground piping, a stormwater pump station, and an outfall connection to the adjacent canal system. Professional services include surveying, stormwater analysis, civil and electrical engineering design, landscaping and irrigation, permitting, coordinating with utility providers, preparing quantity calculations, and engineer's estimates of probable costs. The construction phase services will include site visits, pay application review, responding to RFIs, and project closeout/certifications. Design challenges include natural topography that causes parts of the neighborhood roads to have elevations three feet lower than the high areas. The roadways regularly experience king tide flooding due to the low-lying elevations of the area. The project was part of a FEMA Hazard Mitigation Grant due to the heavy flooding occurring in the area.

**NW 21st Street Roadway Improvements / LAP Assistance, Lauderdale Lakes** — Project manager. Kimley-Horn provided the City of Lauderdale Lakes with a design for roadway improvements on NW 21st Street from SR 7 to Willie Webb, Sr. Park. The improvements consisted of the addition of bike lanes on both the north and south side of the roadway plus the addition of a sidewalk on the south side to provide bicycle and pedestrian connectivity from SR 7 to the park and the associated residential communities along the corridor. Additionally, the improvements included landscaping, curb and median modifications, drainage and modifications to the intersection of SR 7 to address a substantial "hump" that existed. The project was an FDOT LAP funded project and Kimley-Horn provided LAP coordination and permitting services along with the necessary Broward County permitting requirements.



# Keishla Vallejo, P.E.

## *Landside*

### SPECIAL QUALIFICATIONS

- Four years of experience involving civil engineering for land development projects across South Florida
- Project experience includes parks, streetscapes, master plans, and civic developments
- Well versed in many aspects of civil design services, including site layout and grading design, stormwater management and drainage design, and agency permitting

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, University of Puerto Rico, 2015
- Professional Engineer in Florida, 92593, October 13, 2021

### RELEVANT EXPERIENCE

**Broward County Terminal 2 and Terminal 4 Parking Deck Expansion and Roadway Improvements, Dania Beach** — Project analyst. As a subconsultant, Kimley-Horn provided landside simulation modeling, parking planning, and civil design services for the new parking garage for Cruise Passenger Terminals 2 and 4 at Port Everglades. The new parking garage will include a comprehensive ground transportation area on the ground level with structured parking above and an elevated pedestrian bridge to the terminal. To support the planning of this project, Kimley-Horn conducted a parking demand and sizing analysis as well as ground transportation simulation modeling using ALPS, Kimley-Horn's proprietary land-transportation performance simulation software, to validate curbfront and roadway operations. Kimley-Horn supported the design and implementation with pavement marking and signage design plans and associated construction phase services.

**Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale** — Project analyst. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

**Fort Lauderdale Executive Airport (FXE) - Watershed Study Report, Fort Lauderdale** — Project analyst. The scope of this project includes the preparation of a watershed study to analyze the FXE Airport in relationship to surrounding properties after a recent flood occurrence during Tropical Storm Eta in November 2020. Tropical Storm Eta was recreated utilizing data collected from the National Weather Service – Next Generation Radar (NEXRAD) also known as WSR-88D Weather Radar. Four models were prepared to utilize 2018 USGS/NRCS Light Detection and Ranging (LiDAR) topographic data obtained from NOAA online database.

**Pompano Beach McNab Road Improvements, Pompano Beach** — Project analyst. This streetscape improvements project was part of the City's GO Bond program and included one mile of McNab Road from S. Cypress Creek Road to US 1. The project includes the new 10' wide sidewalks, drainage improvements, as well as roadway improvements that include reconfiguration of the alignment to account for the removal and replacement of the Cypress Creek Canal bridge. Additionally, the project includes native landscaping, lighting, pervious pavers, as well as bus shelter and associated amenities to improve the pedestrian experience. The Kimley-Horn team designed critical drainage improvements that modify existing infrastructure to account for roadway improvements, while also maintaining existing driveway connectivity. Drainage permitting for the project was done through the Broward County Environmental Protection Department. The team will also provide limited construction phase services.



**Virgin Islands Port Authority, Cyril E King International Airport Commercial Apron Reconstruction Phase I, VI** — Project engineer. Kimley-Horn was selected by the Virgin Islands Port Authority (VIPA) to provide design and bid phase services for commercial apron pavement reconstruction – Phase I at Cyril E King International Airport (STT). The project was located on the northeast corner of STT's commercial service apron, between Gate 2 and Gate 3. The existing portland cement concrete (PCC) pavements (approximately 4,000 SY) in this area were aging, showing signs of distress, and needed to be repaired or reconstructed. Kimley-Horn prepared a finite element model of the existing pavement using the FAA's FAARFIELD computer modeling software.

**Virgin Islands Port Authority, Cyril E. King International Airport Parking Garage and Transportation Center, VI** — Project analyst. The Virgin Islands Port Authority (VIPA), an autonomous agency that manages both the airports and most of the public seaports in the U.S. Virgin Islands, has retained the assistance of Kimley-Horn for civil and structural engineering services for developing construction documents for a new parking and transportation center at the Cyril E. King Airport in St. Thomas, Virgin Islands. The proposed area of construction is located on the existing surface parking east of the existing airport terminal. The proposed parking garage will provide approximately 500 parking spaces for visitors, employees, and rental car operations. Associated with the parking garage, the project will include limited pedestrian connections through the existing roadway and limited roadway improvements within the Airport.

**Stormwater Master Plan Update #3, Miami Lakes** — Project analyst. Kimley-Horn has completed two updates to the Town's original stormwater master plan, and is currently working on a third update. The Stormwater Master Plan Updates provide the Town with a comprehensive look at completed stormwater improvements throughout the Town and provides an update to the CIP and a reprioritization of remaining stormwater work. Since incorporation, Kimley-Horn has also provided support to assess the condition of roads, sidewalks, signing, and striping throughout the Town limits. The recommendations from this assessment also included a prioritization of the improvements along with a five-year CIP. To facilitate implementing all identified Town improvements, Kimley-Horn provided construction documents, assisted in obtaining bids from contractors to implement the projects, and provided limited construction phase services.

**Stormwater Due Diligence for the Towns Industrial Area at Oakes Road and SR 441, Town of Davie** — Project engineer. The Town of Davie is experiencing flooding issues along Oakes and Burris Road under various storm events. The scope was to research the existing drainage and construction permit history for the two drainage basins within the project area and compiling all applicable documents. A model was prepared, using Interconnected Pond Routing (ICPR) method, the existing conditions as it relates to pervious, impervious, and building areas within the project limits. Available treatment and storage volume in the existing onsite retention/detention areas were analyzed and compared to determine compliance with applicable regulatory requirements. Several alternatives were identified and modeled to alleviate the flooding issues.

**Ansin Sports Complex Phase III, Miramar** — Project analyst. Kimley-Horn developed the master plan, detailed design plans, and provided construction phase services for the 25-acre Ansin Sports Complex for the City of Miramar. Developed over a three-year period through multiple construction contracts, the sports complex includes a 9,000-square-foot recreational center equipped with locker rooms, whirlpools, a computer room, a game room, and meeting rooms. The facility also includes basketball and net ball courts, a covered playground, parking, and a state-of-the-art track. For Phase 3, Kimley-Horn developed the design plans and provided construction phase services for drainage system improvements, repairs to the existing soccer field and additional site lighting. Phase 3 was completed in time for the 2018 track season.

**Deerfield Beach Center for Active Aging, Deerfield Beach** — Project analyst. Kimley-Horn with Walters and Zackria Architects partnered in 2018 to assist the City of Deerfield Beach on the preparation of the Design/Build Criteria package for the Deerfield Beach – Center for Active Aging. Kimley-Horn's role as part of the team was to provide due diligence, permitting coordination and the preparation of 50% design plans for civil engineering and landscaping architecture. Kimley-Horn provided demolition, paving, grading and drainage, water, sewer and pavement marking and signage alongside to landscape and tree disposition design plans. The project consisted on the redevelopment of the existing Center for Active Aging campus with a new 20,043 SF building, and parking lot to facilitate traffic flow and drop-off zone within the campus to enhance end users experience.

**Design of Coconut Creek Parkway Mid-Block Crossing, Coconut Creek** — Project analyst. Kimley-Horn provided professional engineering services for the City's installation of a mid-block pedestrian crossing on Coconut Creek Parkway, between Lyons Road and Banks Road. The improvements included curbs, curb ramps, pavement markings, signage, and a solar-powered pedestrian signal. Tasks included the preparation of permitting support, utility coordination, landscape design, transportation engineering, drainage improvements and permitting, public involvement, and construction phase services.



# Jonathan Ford, IMSA II

## *Security*

### SPECIAL QUALIFICATIONS

- More than seven years of experience with Transportation System Management & Operations (TSM&O) projects, including design, construction, operations, and maintenance
- Experience includes TSM&O master planning, PD&E studies, corridor evaluations, network assessments, traffic signal timing, program assessments, and systems engineering
- Experience with all phases of project development, stakeholder engagement, agency outreach, and service package improvement

### PROFESSIONAL QUALIFICATIONS

- Master of Engineering, Civil Engineering, Florida State University, 2013
- Bachelor of Science, Civil Engineering, Florida State University, 2011
- IMSA Traffic Signal Field Technician, Level II, 2019

### RELEVANT EXPERIENCE

**Fort Lauderdale-Hollywood International Airport Alternatives Refinements, Broward County Aviation Department** — Serves as project analyst responsible for projecting growth and performing a needs assessment of the General Aviation Center - West roadway network. Kimley-Horn is reviewing preferred design alternatives and providing refinements and/or adjustments to landside and support facility elements as needed to ensure compatibility with the proposed terminal and landside transportation plan. Working as a subconsultant to another firm, Kimley-Horn will review relevant information and evaluate opportunities to connect the Airport's terminals to regional transit systems include the WAVE Streetcar, Brightline Rail, Tri-Rail, and Broward County Airport/Seaport Automated People Mover.

**Pinellas County, St. Pete-Clearwater International Airport, Master Plan, Clearwater** — Serves as project analyst. Responsible for evaluating the terminal roadway improvements necessary for growth of the airport. Working as a subconsultant to another firm, Kimley-Horn is providing landside planning for the terminal access and curbfront roadways, parking, and rental car facilities in support of the terminal area master plan. The facilities that are being studied include the terminal area curbfronts and access roadway, short- and long-term parking lots, economy parking, employee parking, and rental car facilities and parking. The study will focus on documenting the existing landside conditions, assessing terminal and access roadways, and parking areas to identify congestion points, and develop improvements to mitigate the identified congestion points. For the rental car facilities, Kimley-Horn will compare capacity and future demand and identify future requirements for terminal counters, booths, ready/return spaces, quick-turnaround (QTA) facilities, remote storage/maintenance, and access and traffic patterns for jockey trips.

**City of Miami Beach, ITS and Smart Parking System Program Management, Miami Beach** — Project analyst. Kimley-Horn is developing a project system engineering management plan, concept of operations, project plan, and procurement documents for a Smart Cities initiative combining ITS and smart parking. The project will deploy cameras, arterial dynamic message signs, vehicle detection, parking occupancy information to communicate real time traffic and parking conditions throughout the City. Also through this contract, Kimley-Horn is providing hot spot signal timing support for the City of Miami Beach in coordination with Miami-Dade County.

**Districtwide ATMS/ITS Consultant Contract, FDOT District Three** — Serves as project analyst. Responsible for the feasibility study of the District's event management trailblazer project, including the development of systems engineering documentation. Provides on-call support for various tasks related to the development and growth of the Districts TSM&O program. Kimley-Horn serves as an ATMS/ITS consultant for FDOT District Three. Recent services include acting as an extension of District Three staff, support of the Transportation Incident Management program, and providing network support to the District.

**Districtwide Traffic Operations Safety Studies, FDOT District Four, —** Serves as project analyst. Responsible for assisting with project development and assessing safety projects to incorporate TSM&O elements. This task order contract includes safety studies, safety reviews, fatal crash reviews, lighting assessments, minor designs, crosswalk warrant analysis, operational analysis, and qualitative assessments. Involves in all facets of the contract including field reviews, countermeasure development, economic analysis, documentation, stakeholder coordination, presentations, scope development, and subconsultant management.

**I-95 Corridorwide Planning for Operational Deficiencies, US 1 to Broward County Line, FDOT District Six —** Project analyst. Kimley-Horn developed and evaluated improvement concepts and performed a detailed planning level operational analysis for the I-95 corridor within District Six. The analysis included evaluation of the study interchanges, interchange influence areas, and ramp junctions, as well as post-implementation operational conditions of the 95 Express corridor improvements. The purpose of this evaluation was to identify deficiencies focusing on recurring bottlenecks and to develop a series of proposed improvements to address the existing and future demands of the corridor.

**Transit Signal Priority Implementation, Districtwide Modal Production Support, FDOT District Four —** Project manager for transit signal priority implementation along US 1 South in Broward County. This task work order involves Developing the set of traffic signal parameters needed to provide priority to buses on certain corridors. Bus parameters include differentiating between vehicles to provide local and express/BRT/Breeze service. We are also conducting field reviews of intersections, noting field conditions, location, and distance of the bus stops (local and express/BRT/Breeze service) from the nearest intersection, and general traffic conditions that may affect TSP effectiveness.

**ITS and Smart Parking System Program Management, City of Miami Beach —** Serves as project analyst. Responsible for facilitating project development and advising City staff on technical materials. Kimley-Horn is developing a project system engineering management plan, concept of operations, project plan, and procurement documents for a Smart Cities initiative combining ITS and smart parking. The project will deploy cameras, arterial dynamic message signs, vehicle detection, parking occupancy information to communicate real time traffic and parking conditions throughout the City. Also through this contract, Kimley-Horn is providing hot spot signal timing support for the City of Miami Beach in coordination with Miami-Dade County. (not listed on the project)

**Econolite Controller Signal System Integration Support, Miami-Dade County —** Serves as project analyst. Responsible for providing in-house support for Miami-Dade County's traffic signal operations. Performs assessments of traffic signal service requests, new traffic signal components, and overall agency needs to enhance traffic management. Kimley-Horn is supporting Miami-Dade County as part of the firm's ongoing countywide ATMS design and program management services. Econolite controllers are deployed at 300 locations across the County. Kimley-Horn is providing onsite and field support services for installation, testing, and operational verification of integration.

**Miami-Dade County ATMS Integrator Contract – General Operational Support, Miami- Dade County —** Serves as project analyst responsible for providing in-house support for Miami-Dade County's Traffic Signals & Signs (TS&S) Division operations. Kimley-Horn is supporting Miami-Dade County as part of the firm's ongoing countywide ATMS design and program management services including performing assessments of traffic Signal Service Requests (SRs), new traffic signal components, and overall division needs to enhance traffic management. Weekly tasks include sorting, reviewing, and addressing open and new SRs received from the public, active management of Timing Zone 7 and Econolite-controlled intersections, utilizing KITS to identify detector faults and dispatching work orders in the Enterprise Asset Management (EAM) system, development of field inspections, and performing active inventory of field data and signal equipment.

**Miami-Dade County ATMS Integrator Contract – Econolite Pilot Program Support, Miami-Dade County —** Serves as project analyst providing ongoing onsite and field support services for installation, testing, and operational verification of integration from over 300 Econolite controllers along major County corridors. As part of this task, the project team configured and tested controller operations and Centracs Secure File Transfer Protocol (SFTP) functionality, identifies potential issues and coordinates with the Econolite software team to resolve software issues and discuss potential enhancements.



# Michael Russell

## *Security*

### SPECIAL QUALIFICATIONS

- 33 years of experience, including software development, GIS applications, Relational Database applications, signal systems, timing plan development, traffic data collection, intersection design, communications, CCTV, dynamic message sign, communications cable routing, and formal estimation procedures as related to highway design
- Knowledge of freeway management systems, advanced traffic management systems, UTCS signal systems, and closed-loop signal systems
- Design manager for plans development in 12 ATMS projects that are successfully operational

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Computer Science, Barry University, 1988

### RELEVANT EXPERIENCE

**Fort Lauderdale Executive Airport (FXE) Telecommunications, Video, and Gate Security** — Project engineer for Ethernet/IP telecommunications infrastructure, equipment selection, certification and testing, gate modifications, integration of security technologies, topology, and architecture development as proof of concept and deployment. The deployment includes 28 gate stations, six miles of fiber infrastructure, and 46 CCTV cameras on poles.

**Miami International Airport (MIA) Airfield Security, Miami** — Project engineer for telecommunications infrastructure, equipment selection, certification and testing, gate modifications, integration of security technologies, topology, and architecture development as proof of concept and deployment.

**Southwest Florida International Airport (RSW), General Engineering Consultant and Project Specific Consultant, Fort Myers** — Team member for the Kimley-Horn team that was selected in 2011 as one of the General Engineering Consultants for the Lee County Port Authority which operates both Southwest Florida International Airport (RSW) and Page Field (FMY). To date, Kimley-Horn has been assigned more than 50 tasks, including Mitigation Park Evaluation Report, Checkpoint Evaluation, Parcel Development Evaluation, Runway 6-24 Pavement Classification, and Federal Tiger Grant Application Assistance. Kimley-Horn specialties used to date include security and IT services, environmental services, traffic studies, cost estimates, land development due diligence, pavement evaluations, aircraft loading bridge reconfiguration, passenger planning activities, curb front studies, PA system upgrades, parking reviews and garage structural repairs. Additionally, Kimley-Horn has been active in using local small business in introducing them to the airport environment and mentoring them in developing aviation design related skills.

**Venice Municipal Airport, Access and Security Upgrades Program Development/Phase I Design, Venice** — Project manager. Kimley-Horn conducted a review of the various security and access control elements. Technical memorandums were then prepared to identify major components/subsystems, cost, and a recommended priority for implementation of gate replacement, access control upgrades, perimeter fencing improvements, lighting, CCTV surveillance upgrades, digital video recording systems, and communications (fiber optics) to connect devices to the administration building. After prioritization of projects, Kimley-Horn is providing design improvements under Phase 1 of the project.

**Broward County Advanced Traffic Management System (ATMS) Communications Design, Broward County** — Assistant project manager and project engineer for Ethernet/IP communications infrastructure, equipment selection, testing of technologies, topology, and architecture development as proof of concept for deployment. The deployment includes 500+ intersections 28, 20+ dynamic message signs, 50+ closed circuit televisions, and fiber infrastructure.

**City of Miami Beach, ITS and Smart Parking System Program Management, Miami Beach** — Systems specialist. Kimley-Horn is developing a project system engineering management plan, concept of operations, project plan, and procurement documents for a Smart Cities initiative combining ITS and smart parking. The project will deploy cameras, arterial dynamic message signs, vehicle detection, parking occupancy information to communicate real time traffic and parking conditions throughout the City. Also through this contract, Kimley-Horn is providing hot spot signal timing support for the City of Miami Beach in coordination with Miami-Dade County.

**City of Tallahassee, Advanced Traffic Management System (ATMS) (KITS), Tallahassee** — Lead integrator who tested and integrated ESCORT in the City's control center. Evaluated alternative communications server to maintain once-per-second communications as required by the City.





# Carlos Florian, P.E.

## *Drainage*

### SPECIAL QUALIFICATIONS

- Project engineer with more than nine years of on-site construction inspections experience in paving and grading, underground pipe installations, stormwater erosion and sedimentation control, and sanitary sewer lift stations
- Managed, updated, and successfully met design and permitting schedules with critical timeframes
- Experienced in bidding and contracting design work throughout South Florida
- Permitting experience in various agencies throughout South Florida
- Software experience includes AutoCAD, Stormwater modeling utilizing SFWMD Cascade Flood Routing and InterConnected Pond Routing (ICPR), and sanitary sewer lift station design and calculations

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, Florida International University, 2011
- Professional Engineer in Florida, #80500, January 1, 2016

### RELEVANT EXPERIENCE

**Broward County Terminal 2 and Terminal 4 Parking Deck Expansion and Roadway Improvements, Dania Beach** — Project engineer. As a subconsultant, Kimley-Horn provided landside simulation modeling, parking planning, and civil design services for the new parking garage for Cruise Passenger Terminals 2 and 4 at Port Everglades. The new parking garage will include a comprehensive ground transportation area on the ground level with structured parking above and an elevated pedestrian bridge to the terminal. To support the planning of this project, Kimley-Horn conducted a parking demand and sizing analysis as well as ground transportation simulation modeling using ALPS, Kimley-Horn's proprietary land-transportation performance simulation software, to validate curbfront and roadway operations. Kimley-Horn supported the design and implementation with pavement marking and signage design plans and associated construction phase services.

**Fort Lauderdale Executive Airport (FXE) Master Drainage/Conceptual Environmental Resources Permit (ERP) Project, Fort Lauderdale** — Project engineer. Prior to this project, FXE did not have an ERP for its property. Without an ERP, each development requires a standalone permit which does not allow for the overall benefit and development of the FXE property as a whole. The purpose of the ERP is to conceptually approve the design concepts of a phased development master plan for a surface water management system, so long as the general guidelines set forth in the ERP are upheld. The scope included pre-design services, existing utility coordination, stormwater modeling, schematic plans, conceptual design permit plans, and permitting.

**Fort Lauderdale Executive Airport (FXE) - Watershed Study Report, Fort Lauderdale** — Project analyst. The scope of this project includes the preparation of a watershed study to analyze the FXE Airport in relationship to surrounding properties after a recent flood occurrence during Tropical Storm Eta in November 2020. Tropical Storm Eta was recreated utilizing data collected from the National Weather Service – Next Generation Radar (NEXRAD) also known as WSR-88D Weather Radar. Four models were prepared to utilize 2018 USGS/NRCS Light Detection and Ranging (LiDAR) topographic data obtained from NOAA online database.

**Sheltair Northside Fixed Base Operator (FBO) at Fort Lauderdale Executive Airport (FXE), Fort Lauderdale** — Project engineer. Kimley-Horn worked with Sheltair to develop a fixed base operator (FBO) on the north side of FXE. We prepared construction drawings for site improvements that included hangar and office space and taxiway relocation. Kimley-Horn assisted the architect with processing the site plan by providing conceptual engineering drawings identified in the scope of work.

**Virgin Islands Port Authority, Cyril E. King International Airport Parking Garage and Transportation Center, VI** — Project engineer. The Virgin Islands Port Authority (VIPA), an autonomous agency that manages both the airports and most of the public seaports in the U.S. Virgin Islands, has retained the assistance of Kimley-Horn for civil and structural engineering services for developing construction documents for a new parking and transportation center at the Cyril E. King Airport in St. Thomas, Virgin Islands. The proposed area of construction is located on the existing surface parking east of the existing airport terminal. The proposed parking garage will provide approximately 500 parking spaces for visitors, employees, and rental car operations. Associated with the parking garage, the project will include limited pedestrian connections through the existing roadway and limited roadway improvements within the Airport.

**Margate City Center Stormwater Master Permit, Margate, FL** — Project engineer. The Margate CRA selected Kimley-Horn to prepare a conceptual stormwater master plan for their 43.7-acre downtown area. The project area included a complete stormwater system re-design to incorporate the proposed development, which will include garden style apartments, townhomes, mid-rise condominiums, civic uses, and commercial developments. The project also included the preparation of a master drainage model (created using the ICPR software), an evaluation of the existing drainage system within this area, the creation of drainage basin delineations and maps, a complete hydraulic/hydrologic analysis of the area, and the proposed master conceptual drainage improvement plans. Kimley-Horn was successful in obtaining a new conceptual permit through the Broward County Surface Water Management Section, as well as a new conceptual ERP permit through the South Florida Water Management District.

**Stormwater Due Diligence for the Towns Industrial Area at Oakes Road and SR 441, Town of Davie** — Project engineer. The Town of Davie is experiencing flooding issues along Oakes and Burriss Road under various storm events. The scope was to research the existing drainage and construction permit history for the two drainage basins within the project area and compiling all applicable documents. A model was prepared, using Interconnected Pond Routing (ICPR) method, the existing conditions as it relates to pervious, impervious, and building areas within the project limits. Available treatment and storage volume in the existing onsite retention/detention areas were analyzed and compared to determine compliance with applicable regulatory requirements. Several alternatives were identified and modeled to alleviate the flooding issues.

**Plantation General Hospital Replacement (aka Davie Medical Center), Davie** — Project engineer. Kimley-Horn is providing civil engineering, traffic engineering, and landscape architecture services for this project. The new hospital located on the Nova Southeastern University campus will consist of a 200-bed hospital, a 1300-1500 space parking garage, and a medical office building. Specific services include off-site improvement coordination, a parking study, north/south internal drive analysis, Central Broward Drainage District (CBDD) variances, and site plan entitlements assistance.

**Stormwater Master Plan Update #3, Miami Lakes** — Project engineer. Kimley-Horn has completed two updates to the Town's original stormwater master plan, and is currently working on a third update. The Stormwater Master Plan Updates provide the Town with a comprehensive look at completed stormwater improvements throughout the Town and provides an update to the CIP and a reprioritization of remaining stormwater work. Since incorporation, Kimley-Horn has also provided support to assess the condition of roads, sidewalks, signing, and striping throughout the Town limits. The recommendations from this assessment also included a prioritization of the improvements along with a five-year CIP. To facilitate implementing all identified Town improvements, Kimley-Horn provided construction documents, assisted in obtained bids from contractors to implement the projects, and provided limited construction phase services.

**Civic Center Park Expansion, Miramar** — Project engineer for Civic Center Park previously known as the Police Benevolent Association Park a 1 acre parcel that was given to the City as part of a Broward County Land Stewardship Program "Park for People" grant to redevelop the site while implementing "green construction" as a neighborhood park. The site is located adjacent to the City Aquatic Park West in Miramar, Florida. As part of the grant program it required that the redesign include green components such as recyclable material, environmentally beneficial landscape practices utilizing native plants, environmentally sound and water saving fixtures, irrigation technologies and interpretation/public education signage. The park improvements included a walking path with exercise stations, a pavilion, playground with tables, landscaping, irrigation, solar powered bollard lighting, a lighted parking lot and surface parking improvements.

**Deerfield Station, Deerfield Beach** — Project engineer. Kimley-Horn provided professional site civil and traffic engineering services for this mixed-use project that includes 226 residential units and 12,000 square feet of office and retail space. Kimley-Horn's responsibilities included site plan and plat amendment assistance, site plan traffic impact study, on-site civil preliminary engineering drawings, and landscape architectural services.



# Tori Bacheler

## *Environmental Services*

### SPECIAL QUALIFICATIONS

- Experience working with municipal, state and federal agencies such as the U.S. Army Corps of Engineers and Water Management Districts
- Eight years of experience conducting wetland delineations, Florida scrub-jay surveys, gopher tortoise surveys and relocations, sand and blue-tailed mole skink coverboard surveys, Johnson's seagrass surveys, crested caracara surveys, wood stork, Florida sandhill crane, Florida burrowing owl, and protected wading birds surveys
- Experience conducting Efficient Transportation Decision Making (ETDM) Programming Screenings for FDOT and FTE projects
- Experience with NEPA documentation (Environmental Assessments, Categorical Exclusions, Natural Resource Evaluations, Sociocultural Effects Report, Contamination Screening Evaluation Reports, Section 4(f) Determination of Applicability)
- Experience with environmental permitting for a vast array of projects including seawalls and docks, utility installations, transportation improvements, residential and commercial development

### PROFESSIONAL QUALIFICATIONS

- Master of Science, Marine and Environmental Biology, Nicholls State University, 2013
- Bachelor of Science, Wildlife Ecology and Conservation, University of Florida, 2009
- Gopher Tortoise Authorized Agent, FWC, #GTA-22-00003

### RELEVANT EXPERIENCE

**Pompano Beach Airpark Environmental and Grant Application for Runway 28 Extension, Pompano Beach** — Lead environmental project manager. Kimley-Horn provided environmental and grant application assistance services in support of the future design and construction of PMP's Runway 28 extension. This was recommended by FAA for the runway's construction. The project included preparing a Documental Categorical Exclusion. This assessment included a field review (for listed species and sensitive habitats), review of US Census Bureau data, NRCS farmland soils data, and other various GIS resources.

**Fort Lauderdale-Hollywood International Airport (FLL) Environmental Assessment, Broward County** — Environmental scientist responsible for writing NEPA documentation including the Environmental Assessment (EA) to comply with FAA standards. Scientist was responsible for Under an on-call services contract with Broward County, the Kimley-Horn team was tasked with providing an environmental assessment for this South Florida airport. Situated in the center of several major highway systems, FLL's environmental characteristics are unique.

**Belle Glade State Municipal Airport, General Engineering Services, Belle Glade** — Environmental scientist responsible for conducting wetland delineation, listed species survey and 15% gopher tortoise survey for the Belle Glade Airport. Also responsible for preparation of the Documented Categorical Exclusion (CATEX) for the relocation of Runway 9/27 to address FAA safety guidelines. Improvements included relocation of the Runway 9/27 centerline approximately 35 feet south of its existing location as part of an interim strategy to mitigate the Part 77 Primary Surface and Runway Safety Area (RSA) concerns associated with the existing Runway and to allow the Runway Object Free Area (ROFA) to be clear of all existing obstructions.

**McNab Road Over Cypress Creek (C-14) Bridge Replacement and Terra Mar Drive over Spanish River Bridge Rehabilitation Projects, Pompano Beach** Environmental scientist. Responsibilities included preparation of permit application packages for a US Coast Guard Bridge permit, and a State of Florida Environmental Resource permit for replacement of the McNab Road over Cypress Creek bridge. Responsibilities also include conducting a benthic resources survey. Kimley-Horn is currently serving the City of Pompano Beach to provide design and consulting services for two separate bridge projects within the City as part of the current G.O. Bond. The project at McNab Road includes the full replacement of the existing bridge and relocation of existing utilities. The proposed bridge will incorporate aesthetic features appropriate to the surrounding areas. Kimley-Horn is leading permitting of this project, including USCG, SFWMD, and Broward County. Improvements at Terra Mar Drive include repairs to the existing bridge and seawalls to address deterioration. The design at this location also includes upsizing the existing water main along Terra Mar Drive and incorporating aesthetic features. Our project team is providing structural, architectural, roadway, permitting, utility adjustment, and geotechnical services for both projects.



**Volusia County, Professional Aviation Planning Services for an Airport Master Plan Update at Daytona Beach International Airport (DAB), Volusia County** — Environmental scientist responsible for assisting with environmental sections of the Master Plan Update. Provided assessment of wetland and surface water impacts, listed species impacts and sociocultural impacts for different parcels within airport property. Kimley-Horn was selected to provide master planning services for updates at Daytona Beach International Airport. To revise the airport's zoning ordinance our team developed a GIS based, four-tier airspace map to ease the process of identifying potential developments requiring a detailed airspace analysis as a part of a development approval process.

**Wakulla County Airport Project Environmental Impact Report (PEIR), Wakulla County** — Environmental analyst responsible for review of wetland, surface water, listed species use of the airport property. Analysts was responsible for preparing the Wetlands Evaluation Report, Wildlife and Habitat Report, and the Project Environmental Impact Report (PEIR) for the Wakulla Airport. The purpose of this project was to evaluate a build alternative that will bring the Wakulla County Airport into compliance with Florida Administrative Code (FAC), Chapter 14-60.007(2)(b)1.a and for the FDOT licensing of the Airport. The project included public involvement, engineering analysis and Preliminary Engineering Report (PER), environmental analysis and reports including Wetlands Evaluation Report, Wildlife and Habitat Report, Contamination Screening Evaluation Report, and final PEIR. Kimley-Horn worked in close coordination with Wakulla County and FDOT on this project.

**Tamiami Government Center,** — Environmental analyst responsible for environmental due diligence, listed species surveys, wetland delineation and environmental permitting for the proposed Government Center for the Seminole Tribe of Florida. Listed species surveys included gopher tortoise survey and cavity survey for Florida bonneted bat. Environmental permitting included creating a wetland mitigation plan to restore cypress swamp within the project area.

**Districtwide ETDM Support, FDOT District Four** — Environmental scientist responsible for conducting several ETDM Programming Screenings within Palm Beach County and Broward County. Projects included 10th Avenue North/I-95 Interchange, Atlantic Avenue Widening, and Lantana Road/I-95 Interchange. ETDM screening included creating project description and purpose and need; review local comprehensive plans and Long Range Transportation Plans; review funding within the Transportation Improvement Program and State Transportation Improvement Program; digitize project within ETDM to run GIS analysis within the Environmental Screening Tool (EST); prepare sociocultural effects evaluation reviews; prepare Advance Notification package; review and respond to Environmental Technical Advisory Team (ETAT) comments, assigning Degree of Effect (DOE) for each category, and preparing the ETDM Programming Screen Summary Report. Also, under this Districtwide contract, projects included seagrass surveys for bridge projects in St. Lucie County, and a feasibility study at the Savannas Preserve State Park.

**Bicycle Lane Addition on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard, Sunrise** — Environmental analyst responsible for reviewing natural and social resources within the study area to prepare a Type 1 Categorical Exclusion checklist. Analyst was responsible for conducting listed species survey, wetland/surface water delineation, and examining study area for social resources (places of worship, recreational facilities, etc.). The City of Sunrise applied for a \$927,000 Transportation Alternatives Grant administered by the Florida Department of Transportation to construct bicycle lanes and street improvements on NW 64th Avenue from Sunset Strip to Oakland Park Boulevard. The City retained Kimley-Horn for design services for landscape, lighting, drainage, pedestrian and bicycle enhancements. This includes developing schematic design, design development, permitting, and construction documents.

**SW 10th Street PD&E Study (Sawgrass to I-95), FDOT District Four, Broward County, Deerfield Beach** — Environmental scientist responsible for conducting gopher tortoise survey, habitat mapping, and writing and submittal of NEPA documentation (Natural Resources Assessment, Socio-cultural Effects Report, Section 4(f) Determination of Applicability Report, Contamination Screening Evaluation Report, and Categorical Exclusion Report), and public involvement. This project includes the widening of an already existing roadway in Deerfield Beach, FL. SW 10th Street provides a link between the Sawgrass Expressway, Florida's Turnpike, and I-95, therefore serving as an important arterial roadway for local residents and commuters.



# Colin Wheeler

## *Planning*

### SPECIAL QUALIFICATIONS

- More than 15 years of professional planning experience including 14 years as an aviation planner
- Worked on several commercial and general aviation airport master plans, aviation-related studies, airside and landside improvement projects, and environmental documents adhering to NEPA guidelines
- Areas of specialization include statistical analysis, forecasts of aviation demand, and air service improvements
- Significant experience with ArcGIS, AutoCAD, and other design software

### PROFESSIONAL QUALIFICATIONS

- Master, Urban and Regional Planning, University of Minnesota-Twin Cities, 2007
- Bachelor of Arts, History, University of St. Thomas, 2003

### RELEVANT EXPERIENCE

**Pompano Beach Airpark Update to Master Plan, Pompano Beach** — Project manager. Since 2005, Kimley-Horn has provided general aviation consulting services for the city's Airpark. Under a separate contract, Kimley-Horn was responsible for a master plan update, which studied the ability of the Airpark to provide adequate airfield capacity for a changing aircraft fleet while adhering to recently changed FAA pavement geometry standards. This task has proved challenging as the Airpark was constructed during World War II as a Naval outlying landing field and has a significant amount of overbuilt pavement. Another component of this project was examining runway extension options while minimizing off-airpark impacts through the use of declared distances. This effort required significant coordination with the FAA's Orlando Airports District Office.

One of the study's main challenges was pacing phased improvements with growing aviation-related demands in south Florida, while developing a capital program that was prudent, realistic, and capable of being implemented. Moving forward, the master plan will serve as a long-term roadmap for project implementation that will enhance the operational functionality of the airfield without causing significant off-airport impacts.

**Broward County Aviation Department, North Perry Airport Master Plan Update, Pembroke Pines** — Project planner. Served as subconsultant. In addition to our on-call planning support to the Broward County Aviation Department (BCAD), Kimley-Horn was a key team member for the preparation of comprehensive Master Plan and ALP Update for the North Perry Airport. North Perry is a high activity general aviation airport with four runways, multiple flight schools, and the third busiest contract ATCT in the nation. It is also surrounded by residential uses that have resulted in local ordinances limiting operations by certain types of aircraft. The focus of this Master Plan was to reevaluate previous development recommendations that were no longer appropriate in terms of current market conditions and FAA airfield design criteria and standards. Kimley-Horn prepared a comprehensive analysis of the airfield geometry and operational requirements at the airport including Hot Spot mitigation, taxiway geometry, runway length, Runway Protection Zone compliance, approach capability, circulation, and infrastructure.

**2017 Florida Aviation System Plan Update, Statewide** — Project planner. The robust state system includes 128 commercial service and general aviation airports from the Panhandle to the Keys. As the nation's leader in aviation education programs, gateway for international travel and cargo movement, and home to two of the country's spaceports, Florida's aviation environment is unquestionably unique. The FASP Update 2035 provides an examination of the system and its diverse users, considers the impact of existing and anticipated industry changes, and makes recommendations for enhancement. To reach multiple audiences, FASP Update 2035 deliverables were created and tailored to specific interests of stakeholders, including regional brochures, primers, and multiple executive summaries.

**Volusia County, Professional Aviation Planning Services for an Airport Master Plan Update at Daytona Beach International Airport Volusia County**

— Project planner. Kimley-Horn completed a master plan update for the Daytona Beach International Airport (DAB), which included all traditional elements of a master plan update, such as aviation activity forecasts, airside and landside facility requirements, and development alternatives. In addition to the traditional master plan elements, a full Airports GIS (AGIS) airfield survey was performed, and a comprehensive “Exhibit A” property map was completed. This project also included a comprehensive airport stormwater master plan led by Kimley-Horn, in which a key focus was identifying the drainage and floodplain improvements necessary to 350 acres of vacant airport property for the purposes of ultimate aeronautical revenue development. This master plan has been a key example of the multidisciplinary offerings of Kimley-Horn working in concert, balancing the airport master planning process with engineering realities.

**City of Detroit, Coleman A. Young Municipal Airport ALP Update, Detroit, MI** — Project manager. As part of a five-year on-call contract, Kimley-Horn is nearing completion of an airport layout plan (ALP) update with a narrative report for the Coleman A. Young Municipal Airport. The airport serves as a primary executive reliever for the Detroit metropolitan area and has experienced a significant increase in corporate activity in recent years. For a variety of reasons, the airport has not had an approved ALP for more than 20 years, which impacted the sponsor’s ability to secure FAA grants. Kimley-Horn has conducted significant stakeholder outreach efforts with the City of Detroit to ensure that the public, airport tenants and users, the FAA’s Detroit ADO, and MDOT Office of Aeronautics are well informed regarding significant proposed projects and are fully engaged in the process. The most significant of these projects includes mitigation of nonstandard runway safety areas on both ends of the airport’s primary runway which has required a substantial RSA study. The ALP depicts significant future development that mitigates a variety of nonstandard airfield geometry conditions and improvements that accommodate the airport’s changing based aircraft fleet. As part of the on-call, Kimley-Horn will continue with follow-on planning studies, grant administration, capital improvement planning, and design of recommended improvements.

**Cottonwood Municipal Airport Master Plan Update, Cottonwood, AZ** — Project manager. Kimley-Horn is nearing completion of a master plan for the Cottonwood Municipal Airport in northern Arizona as part of our on-call planning contract with the City. The Airport serves a variety of aviation activities and has experienced a significant increase in itinerant corporate operations as well as training operations originating from flight schools at nearby airports. The Airport is located in a part of the state that is experiencing significant growth and the master plan has focused on sustainable airside and landside development options compatible with encroaching residential and commercial expansion. In addition to the Airport Master Plan, Kimley-Horn also has provided on-call services for the Airport, including development and submittal of the Airport’s capital improvement plan, measuring compliance with federal requirements for DBE participation and Davis-Bacon Act wage rates, and grant administration for various projects.

**City of Coolidge, Coolidge Municipal Airport Master Plan Update and Environmental Services, Coolidge, AZ** — Project manager. Kimley-Horn has been serving as extension of the Coolidge Municipal Airport’s staff, providing exceptional client service and on-call engineering services to the airport since 2014. We have designed several runway, taxiway, and apron projects as well as assisted airport staff with developing CIPs, conducting environmental analyses, and maintaining the airport’s DBE program in compliance with federal contracting guidelines and 49 CFR Part 26. Our successful partnership in 2014 later led the City to select Kimley-Horn again as their on-call consultant for planning services in 2020. Awarded first under the planning on-call was an update to the Coolidge Municipal Airport’s master plan, currently ongoing. A unique component of this project is assisting the airport in becoming financially self-sustaining. The scope of services for this component included a rates and charges analysis to evaluate existing airport incomes and expenditures and identify recommended revenue streams that the airport could capitalize on. Under the engineering services on-call, we also provided the airport with three full CATEX requests approved through the FAA. These environmental investigations have cleared over 87 acres of airport property, allowing the airport to safely construct new PAPIs and edge lights for their secondary runway, a partial parallel taxiway with three connector taxiways, and a full primary runway reconstruction including the addition of blast pads and shoulders. The services included in each CATEX were a biological resources memorandum, hazardous materials review, cultural resources survey addendum (including a literature review, field survey, and report preparation), and the final CATEX document.

**Fresno Chandler Executive Airport and Fresno Yosemite International Airport, Master Plan Update and Airport Layout Plan Update, Fresno, CA** — Kimley-Horn recently completed a master plan update for the Fresno Yosemite International Airport and is nearing completion of an airport master plan update for FCH. The commercial and general aviation airports are both operated by the City of Fresno, and although each master plan was conducted independently, there was significant overlap pertaining to recommended facilities at each airport. Working with tenants, stakeholders, and City of Fresno Airports Planning staff, significant effort was placed on visioning and goal setting with respect to each facility’s roles within the local aviation system.



# Courtney Arceneaux

## *Planning*

### SPECIAL QUALIFICATIONS

- Aviation planning analyst with a focus on airside, landside, and airspace projects.
- Over the last five years has worked at more than 20 airports ranging from small general aviation to large commercial hub on projects consisting of Runway Incursion Mitigation (RIM) studies, Master Plans, airspace analyses, and ALPs.
- Airport planning experience includes runway and taxiway improvements, airspace analyses, forecasting, terminal planning, and landside facilities planning.
- Skilled in AutoCAD Civil 3D, Aviplan, Microsoft Excel, and Bluebeam Revu.

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Aviation Management, Florida Institute of Technology, 2017

### RELEVANT EXPERIENCE

**Pompano Beach Airpark Update to Master Plan, Pompano Beach** — Lead analyst. Kimley-Horn was retained by Pompano Beach to update the Airpark's master plan for short, intermediate, and long-term development. The last master plan was completed in 2021.

**St. Augustine-St. Johns County Airport Authority Aviation Engineering and Planning Services, St. Augustine** — Planning analyst. Kimley-Horn worked with the airport in identifying up to five sites for runway alternatives as part of the master plan update for Northeast Florida Regional Airport.

**Volusia County, Professional Aviation Planning Services for an Airport Master Plan Update at Daytona Beach International Airport (DAB), Volusia County**

Project analyst. Kimley-Horn was selected to provide master planning services for updates at Daytona Beach International Airport. To revise the airport's zoning ordinance our team developed a GIS-based, four-tier airspace map to ease the process of identifying potential developments requiring a detailed airspace analysis as a part of a development approval process.

**San Jose International Airport (SJC), Runway Incursion Mitigation/Design Standards Analysis, San Jose, CA** — Planning analyst on the Kimley-Horn team that is preparing the RIM and design standards analysis for SJC. This includes identification of discrepancies and conformity issues, analysis of design options and alternatives, stakeholder outreach, simulation modeling, aeronautical survey and AGIS systems, multiple rounds of FAA submittals, an airport layout plan (ALP) amendment, and implementation analysis.

**City of Detroit, Coleman A. Young Municipal Airport On-Call 2019, Detroit, MI** — Project planner. As part of a five-year on-call contract, Kimley-Horn is nearing completion of an airport layout plan (ALP) update with a narrative report for the Coleman A. Young Municipal Airport. The airport serves as a primary executive reliever for the Detroit metropolitan area and has experienced a significant increase in corporate activity in recent years. For a variety of reasons, the airport has not had an approved ALP for more than 20 years, which impacted the sponsor's ability to secure FAA grants. Kimley-Horn has conducted significant stakeholder outreach efforts with the City of Detroit to ensure that the public, airport tenants and users, the FAA's Detroit ADO, and MDOT Office of Aeronautics are well informed regarding significant proposed projects and are fully engaged in the process. The most significant of these projects includes mitigation of nonstandard runway safety areas on both ends of the airport's primary runway which has required a substantial RSA study. The ALP depicts significant future development that mitigates a variety of nonstandard airfield geometry conditions and improvements that accommodate the airport's changing based aircraft fleet. As part of the on-call, Kimley-Horn will continue with follow-on planning studies, grant administration, capital improvement planning, and design of recommended improvements.



**Clark County Department of Aviation, Henderson Executive Airport Master Plan Update, Henderson, NV** — Project analyst.

Clark County Department of Aviation retained Kimley-Horn to provide professional airport planning services for the update of Henderson Executive Airport (HND) master plan. Kimley-Horn is determining the projected needs of the Airport's users for the next 20 years. In addition to recommending improvements that will enhance the Airport's ability to satisfy future aviation needs, meet FAA design standards, enhance safety, and enhance the viability of HND as a general aviation gateway to Clark County, Kimley-Horn is assessing Henderson-specific general aviation facility needs from a systemic perspective compared with other Clark County airports and validating the current and future role with its system of airports. Additionally, the effort includes a cursory level investigation of on-and off-Airport land use compatibility for both aeronautical activities and to determine potential opportunities to generate additional revenue.

**Louisville Muhammad Ali International Airport, Professional Airport Planning Services Airport Master Plan, Louisville, KY**

Project analyst. Kimley-Horn is currently leading the development of a Master Plan for Louisville Muhammad Ali International Airport (SDF). The Master Plan will be a comprehensive planning effort that will assess the existing airport, forecast demand, and develop concepts for the entire airport including airside, landside, and terminal facilities. Two of the most imperative focus areas are maximizing the efficiency of the airfield to facilitate cargo and other flight operations and simplifying the access roadways to maximize the customer experience. The project includes the microsimulation of airfield operations to identify the benefits of infrastructure changes. Landside facilities (roadways and auto parking) are another major element of this Master Plan. Kimley-Horn's responsibilities include project management and coordination, public outreach and stakeholder facilitation, aviation forecasts, airfield analysis and conceptual design, and landside analysis and conceptual design.

**Massachusetts Port Authority, Runway Incursion Mitigation (RIM) Study and Comprehensive Airfield Geometry Analysis, Massport Aviation Facilities in Boston, Bedford, and Worcester, Suffolk, MA** — Planning analyst for the Kimley-Horn team

providing services for the preparation of a Runway Incursion Mitigation (RIM) study for the Massachusetts Port Authority at Boston-Logan International Airport. Tasks include gathering and analysis of airport surface incident data from various sources, mapping incident data on airfield by location and type of incident, analysis of non-compliant airfield elements and geometry, and potential mitigation efforts and alternatives to reduce incursions.

**McCarran International Airport, Runway Incursion Mitigation (RIM) Study, Las Vegas, NV** — Project analyst. Kimley-Horn is part of team that is conducting a runway incursion mitigation (RIM) analysis study. The study involves a comprehensive review of opportunities to reduce the potential for a runway incursion, meet current FAA design standards, and plan for future airfield needs.

**Memphis International Airport, Master Plan, Memphis, TN** — Project analyst. Kimley-Horn is a subconsultant on the master plan at Memphis International Airport. This project is just now beginning and will provide for an updated plan for future airside and landing projects. Kimley-Horn's scope includes a stormwater management plan, utility coordination, system master planning for two general aviation airports under Memphis control; airspace planning; and landside planning.

**Minnesota DOT, Minnesota State Aviation System Plan Phase II, MN** — Planning analyst. Phase I of the Minnesota State Aviation System Plan (SASP) included an extensive public involvement plan and tasks that resulted in a number of recommendations to carry into Phase II. Kimley-Horn was retained for Phase II and is taking Phase I components (objectives and strategies, system classifications, airport metrics, and system metrics) and conducting an evaluation of each and developing recommendations. Kimley-Horn also will review the environmental justice (EJ) methodology and plan and to make recommendations on what the EJ plan means for airports and how it can be used in the SASP. Other services include analyzing policy issues and developing official policy positions on topics such as through the fence operations, operations counting and forecasting, hangar development, airport closures, crosswind runway funding, and airport clear zone ownership. Based on the information developed as part of the policy analyses, an online GIS database that will allow MnDOT to track, monitor, and evaluate the overall performance of the system.

**Phoenix Sky Harbor International Airport, Runway Incursion Mitigation Analysis and Airport Layout Plan Update, Phoenix, AZ** — Planning analyst. Kimley-Horn is part of a team that is conducting a runway incursion mitigation (RIM) analysis and airport layout plan (ALP) update to enhance airfield safety and improve operational efficiency by reducing the potential for runway incursions and address changes to Federal Aviation Administration (FAA) design standards through analysis of airfield facilities and associated operational procedures. The RIM analysis may result in recommended geometry, marking, signage, or other changes to the airfield that will be included in the ALP update.



# Elizabeth McQueen

*aGIS/eALP*

## SPECIAL QUALIFICATIONS

- Elizabeth has contributed to airside and airspace projects in nearly 30 countries
- Subject matter specialist in obstruction and airspace analyses
- Significant experience with the identification, mitigation, and, where necessary, the removal of obstructions on- and off-airport property
- Served as project manager on several large-scale airspace and airport development projects, notably for large- and medium-hub airports domestically and abroad
- During her tenure at The MITRE Corporation's Center for Advanced Aviation System Development (CAASD), Elizabeth helped support airspace initiatives across the National Airspace System, including several projects to support U.S. Federal Aviation Administration (FAA) Optimization of Airspace & Procedures in the Metroplex (OAPM), Broad Area Maritime Surveillance (BAMS) Unmanned Aircraft Systems, and Navigation Reference System Grid Considerations Over the North Atlantic Ocean
- Highly skilled in ICAO Annex 14 studies, FAA regulations, including FAR Part 77, obstruction data collection requirements, methodologies and analyses
- **PROFESSIONAL QUALIFICATIONS**
- Master of Science, Systems Engineering, University of Pennsylvania, 2013
- Master of City and Regional Planning, University of Pennsylvania, 2006
- Bachelor of Arts, University of Michigan, 2003
- ASCE Met Section Air Transport Group
- Strategic Adviser for Urban Low Altitude Transport Association

## RELEVANT EXPERIENCE

**Aircraft Traffic Control Tower (ACTC) Study, Pompano Beach Airpark, Pompano Beach** — Project planner. Kimley-Horn worked with the City of Pompano Beach to determine potential locations for a new Aircraft Traffic Control Tower (ACTC) at the Pompano Beach Airpark (PMP). A due diligence report was provided for three (3) potential locations and preliminary site layouts, parking analysis, drainage requirements, potential water and sewer connections and airspace review coordination.

**St. Petersburg-Clearwater International Airport, Runway 18/36 Rehabilitation, Clearwater** — Team member. Kimley-Horn provided airfield civil engineering, pavement design, airfield markings, and bid and construction phase services for the rehabilitation of Runway 18/36. The project involved the rehabilitation of the existing bituminous asphalt pavement; reconstruction of the centerline, touch down zone, and runway edge lighting systems; reconstruction of the runway distance remaining signs; reconstruction of the existing airfield signage; and widening of the paved shoulders; and the extension of Runway 4 for use by an aircraft carrier during construction.

**City of Detroit, Coleman A. Young Airport, Airport Layout Plan Update and FAA Airspace Analysis and 7460, Detroit, MI** — Project manager. 48234 As part of our on-call contract, Kimley-Horn prepared an airport layout plan update that serves as a guide for developing the Airport and enhancing operations in accordance with the needs of the City of Detroit. Throughout the planning process, recommended improvements were depicted on the ALP and evaluated and validated for their ability to satisfy forecast demand, adhere to FAA design standards, enhance operational safety, minimize on- and off- Airport impacts, and be implemented in a reasonable and feasible manner. The project involved assessing all airside and landside needs with a specific focus on mitigation of nonstandard airfield conditions, minimizing impacts to surrounding neighborhoods, reducing incompatible land use surrounding the airport, and potential land acquisition and easements to accommodate future development or critical safety areas. Other services included an airspace analysis and obstruction survey where Kimley-Horn conducted an evaluation of existing and potential penetrations to the Part 77 Imaginary Surfaces and Threshold Siting Surfaces (per AC 150/5300-13A and FAA Engineering Brief No. 99). The results of this analysis supported the evaluation of any recommended runway related geometry or approach capability improvements. Kimley-Horn also led an airports GIS (AGIS) survey per FAA AC 150/5300-18B to verify objects on and around the airport considered obstacles to airspace.

**City of Detroit, Coleman A. Young Municipal Airport On-Call 2019, Detroit, MI** — Project planner. As part of a five-year on-call contract, Kimley-Horn is nearing completion of an airport layout plan (ALP) update with a narrative report for the Coleman A. Young Municipal Airport. The airport serves as a primary executive reliever for the Detroit metropolitan area and has experienced a significant increase in corporate activity in recent years. For a variety of reasons, the airport has not had an approved ALP for more than 20 years, which impacted the sponsor's ability to secure

FAA grants. Kimley-Horn has conducted significant stakeholder outreach efforts with the City of Detroit to ensure that the public, airport tenants and users, the FAA's Detroit ADO, and MDOT Office of Aeronautics are well informed regarding significant proposed projects and are fully engaged in the process. The most significant of these projects includes mitigation of nonstandard runway safety areas on both ends of the airport's primary runway which has required a substantial RSA study. The ALP depicts significant future development that mitigates a variety of nonstandard airfield geometry conditions and improvements that accommodate the airport's changing based aircraft fleet. As part of the on-call, Kimley-Horn will continue with follow-on planning studies, grant administration, capital improvement planning, and design of recommended improvements.

**Fresno Chandler Executive Airport (FHC) and Fresno Yosemite International Airport, Master Plan Update and Airport Layout Plan Update, Fresno, CA** — Project planner. Kimley-Horn was selected to complete Master Plan Updates for both Fresno Yosemite International Airport (FAT) and Fresno Chandler Executive Airport (FCH). Both projects included development of new aeronautical surveying to meet the FAA's AGIS requirements to establish new baseline mapping. A focus of both master plan updates was the forecasts of GA activity and how the two airports function together to serve regional GA demand. FAT serves the large corporate aircraft along with the commercial activity, while FCH has long served primarily flight training and personal flying. While the City of Fresno desires FCH to increase its role as a reliever airport, there is a historical boulevard on one end of the runway and a highway on the other end that limit the ability of the runway to be extended while still meeting FAA requirements. Even though a previous master plan included a runway extension and showed significant hangar development, the FAA's change in policy regarding Modifications of Standard (MOS) has meant that FCH would have to meet all standards to extend the runway much beyond 4,000 feet.

**Fresno Yosemite International Airport (FAT), Master Plan Update, Fresno, CA** — Project planner. Kimley-Horn worked closely with the city and the FAA to update the airport master plan as well as an updated ALP drawing set integrating new aeronautical surveying that meets the FAA's requirements for AGIS. The airport has a unique operational environment of GA, corporate, commercial, cargo, forest fire services, police, helicopter, and multiple military branches along with an expanding regional population that was considered for the future development plan.

**Aerostar, Luis Munoz Marin International Airport (SJU), Runway 8/26 and Taxiway H Rehabilitation, Carolina, PR** — Project planner. Kimley-Horn was selected to rehabilitate failing pavement sections of Taxiway H and Runway 8/26. Runway 8/26 was narrowed from 200' to 150' to comply with the current FAA Advisory Circulars. The connector taxiways to Runway 8/26 were extended to meet the new pavement configuration. The rehabilitation included new asphalt pavement sections, runway and taxiway lighting, runway and taxiway signage, new airfield cables, airfield markings, and relocated FAA PAPI system. Additionally, some runway incursion mitigation steps were taken such as painting and lighting expansive pavements and blocking direct access to the runway from the adjacent apron.

**Aerostar, San Juan Luis Munoz Marin International Airport (SJU), Runway 8/26 Rehabilitation (2014), San Juan, PR** — Project planner. Kimley-Horn provided design of the pavement rehabilitation of Runway 8/26 and associated taxiway connectors. The project consisted of the rehabilitation of the center 9,300 feet of Runway 8/26, the taxiway connectors, and electrical work. The project included the mill and overlay of asphalt pavement on the runway and concrete rehabilitation work on the taxiway connectors as well as associated lighting and electrical work, pavement markings, grading, phasing as well as cost estimates, technical specifications and bidding assistance.

**Blue Steel Development, Apopka Industrial Park (aka Apopka Orange Blossom Trail), Apopka** — Project planner. Kimley-Horn provided site civil services for a 248-acre site that houses three warehouse/distribution buildings totaling 2.5-million-square-feet located in Apopka along W. Orange Blossom Trail next to Apopka Orlando Airport. Services include conceptual site plan, preliminary grading plan, preapplication for St. John's River Water Management District, conveyance systems, and airspace analysis. Since the site is next to the Apopka Orlando Airport, Kimley-Horn conducted an airspace study to determine whether the proposed development and temporary construction equipment would present any hazard to air navigation or impact Airport Design Criteria AC 150/5300-13, 14 CFR Part 77 Airport Imaginary Surfaces, and Obstacle Clearance Surfaces for Instrument Flight Procedures as per U.S. Terminal Instrument Procedures (TERPs) (FAA Order 8260.3D). Other services included traffic, structural, landscape, access plans, rail spur/crossing design, hydraulic calculations/fire flow modeling, and construction phase services.

**Clark County Department of Aviation, Henderson Executive Airport Master Plan Update, Henderson, NV** — Project manager. Clark County Department of Aviation retained Kimley-Horn to provide professional airport planning services for the update of Henderson Executive Airport (HND) master plan. Kimley-Horn is determining the projected needs of the Airport's users for the next 20 years. In addition to recommending improvements that will enhance the Airport's ability to satisfy future aviation needs, meet FAA design standards, enhance safety and enhance the viability of HND as a general aviation gateway to Clark County, Kimley-Horn is assessing Henderson-specific general aviation facility needs from a systemic perspective compared with other Clark County airports and validating the current and future role with its system of airports.





# David Perry

*aGIS/eALP*

## SPECIAL QUALIFICATIONS

- More than 30 years of experience leading complex airspace studies and optimizing instrument flight procedures at airports in multiple countries.
- Air traffic controller and airspace subject matter specialist
- Led the development of the FAA's Airport Data Information Portal (ADIP)/Airport GIS system for the past five years and has conducted multiple airspace studies including construction near airports and wind turbines.
- Highly skilled in national and international airspace studies using International Civil Aviation Organization and FAA regulations.
- National specialist in aGIS and obstruction data collection requirements.

## PROFESSIONAL QUALIFICATIONS

- Associate of Applied Science, Airway Science, Community College of the Air Force, Maxwell Air Force Base, 2003
- Airport Master Record Seminar, 5010 Training
- GEOTITAN Training, ENAC
- Federal Aviation Administration (FAA) Performance Based Navigation (PBN) Course, FAA Academy
- ICAO PANS-OPS PBN Course, ENAC
- TARGETS Training Course, CSSI,
- Training Camp Program Management Professional (PMP) Course, Vienna, VA
- Non-Commissioned Officer (NCO) Academy, Kapaun AB, Germany
- Mobile Air Traffic Control and Landing Systems (ATCALs) Survey School, Langley AFB, VA
- Terminal Instrument Procedures (TERPS), Keesler AFB, MS
- Basic Air Traffic Control (ATC) School, Keesler AFB, MS

## RELEVANT EXPERIENCE

**Aircraft Traffic Control Tower (ACTC) Study, Pompano Beach Airpark, Pompano Beach** — Team member. Kimley-Horn worked with the City of Pompano Beach to determine potential locations for a new Aircraft Traffic Control Tower (ACTC) at the Pompano Beach Airpark (PMP). A due diligence report was provided for three (3) potential locations and preliminary site layouts, parking analysis, drainage requirements, potential water and sewer connections and airspace review coordination.

**Blue Steel Development, Apopka Industrial Park (aka Apopka Orange Blossom Trail), Apopka** — Team member. Kimley-Horn provided site civil services for a 248-acre site that houses three warehouse/distribution buildings totaling 2.5-million-square-feet located in Apopka along W. Orange Blossom Trail next to Apopka Orlando Airport. Services include conceptual site plan, preliminary grading plan, preapplication for St. John's River Water Management District, conveyance systems, and airspace analysis. Since the site is next to the Apopka Orlando Airport, Kimley-Horn conducted an airspace study to determine whether the proposed development and temporary construction equipment would present any hazard to air navigation or impact Airport Design Criteria AC 150/5300-13, 14 CFR Part 77 Airport Imaginary Surfaces, and Obstacle Clearance Surfaces for Instrument Flight Procedures as per U.S. Terminal Instrument Procedures (TERPs) (FAA Order 8260.3D). Other services included traffic, structural, landscape, access plans, rail spur/crossing design, hydraulic calculations/fire flow modeling, and construction phase services.

**Aerostar, San Juan Luis Munoz Marin International Airport (SJU), Runway 8/26 Rehabilitation (2014), San Juan, PR** — Team member. Kimley-Horn provided design of the pavement rehabilitation of Runway 8/26 and associated taxiway connectors. The project consisted of the rehabilitation of the center 9,300 feet of Runway 8/26, the taxiway connectors, and electrical work. The project included the mill and overlay of asphalt pavement on the runway and concrete rehabilitation work on the taxiway connectors as well as associated lighting and electrical work, pavement markings, grading, phasing as well as cost estimates, technical specifications and bidding assistance.

**Aspen/Pitkin County Airport, Air Traffic Control Tower Replacement, Aspen, CO** — Team member. Kimley-Horn, as part of a larger effort to redesign and rebuild nearly the entire airport, conducted initial screening of alternative sites to relocate the air traffic control tower (ATCT). The ATCT required relocation under a scenario in which the primary taxiway needed to be shifted to meet FAA runway-taxiway separation standards. Our team identified and analyzed eight sites in the vicinity of the airport. We reviewed line-of-site, determined how tall the tower would need to be at different sites, conducted a Part 77 and missed approach analysis, and evaluated site considerations such as utilities, access/parking, and environmental sensitivities. Our team also prepared cost estimates for building a tower and supporting infrastructure on each site. Finally, we coordinated with the FAA's MAS Planning & Integration group for the Western Region.

**City of Detroit, Coleman A. Young Municipal Airport On-Call 2019, Detroit, MI** — Team member. As part of a five-year on-call contract, Kimley-Horn is nearing completion of an airport layout plan (ALP) update with a narrative report for the Coleman A. Young Municipal Airport. The airport serves as a primary executive reliever for the Detroit metropolitan area and has experienced a significant increase in corporate activity in recent years. For a variety of reasons, the airport has not had an approved ALP for more than 20 years, which impacted the sponsor's ability to secure FAA grants. Kimley-Horn has conducted significant stakeholder outreach efforts with the City of Detroit to ensure that the public, airport tenants and users, the FAA's Detroit ADO, and MDOT Office of Aeronautics are well informed regarding significant proposed projects and are fully engaged in the process. The most significant of these projects includes mitigation of nonstandard runway safety areas on both ends of the airport's primary runway which has required a substantial RSA study. The ALP depicts significant future development that mitigates a variety of nonstandard airfield geometry conditions and improvements that accommodate the airport's changing based aircraft fleet. As part of the on-call, Kimley-Horn will continue with follow-on planning studies, grant administration, capital improvement planning, and design of recommended improvements.

**City of Fresno, Fresno Chandler Executive Airport, Runway 12/30 Obstruction Analysis, Fresno, CA** — Team member. 93727 The City of Fresno wanted to mitigate obstacles to airspace at Fresno Chandler Executive Airport, specifically as they pertained to the Runway 30 approach surface and other imaginary surfaces that delineated protected areas at the Airport. Current obstacle data was obtained from Quantum Spatial as part of the Airport Master Plan Update led by Kimley-Horn. This data was used to identify existing obstacles to Runway 30 that impacted the operational capability of the runway, specifically to the approach surface. The need for this analysis was triggered because the Runway 30 Precision Approach Path Indicator (PAPI) lights were temporarily not functioning due to obstacle penetrations.

**Charlotte Douglas International Airport, Destination District Central Transportation and Land Use Plan, Charlotte, NC** Team member. Kimley-Horn was retained by the Charlotte Douglas International Airport (CLT) and the City of Charlotte to develop an integrated Transportation and Land Use Plan for the area considered to be the "front door" to CLT. Key objectives of the plan were to outline infrastructure needed to support the development of an Airport-connected employment and visitor "Destination District." Kimley-Horn developed the transportation, land use, and urban design components of the plan. The major infrastructure components included a direct vehicular connection from I-85 into the Airport, relocated ConRAC, Guideway (people mover) alignment and maintenance facility, CLT support office building, hotel/conference center, compatible development program, and LYNX Silver Line light rail station and alignment. Through coordination of an extensive stakeholder engagement process, Kimley-Horn developed three alternative land use scenarios that were reviewed by representatives from several Airport divisions, as well as several city departments and state agencies. The final plan provides a preferred TOD alternative with specific near-term and long-term infrastructure and development recommendations, and preliminary planning-level cost estimates.

**City of Detroit, Coleman A. Young Airport, Airport Layout Plan Update and FAA Airspace Analysis and 7460, Detroit, MI** Team member. As part of our on-call contract, Kimley-Horn prepared an airport layout plan update that serves as a guide for developing the Airport and enhancing operations in accordance with the needs of the City of Detroit. Throughout the planning process, recommended improvements were depicted on the ALP and evaluated and validated for their ability to satisfy forecast demand, adhere to FAA design standards, enhance operational safety, minimize on- and off- Airport impacts, and be implemented in a reasonable and feasible manner. The project involved assessing all airside and landside needs with a specific focus on mitigation of nonstandard airfield conditions, minimizing impacts to surrounding neighborhoods, reducing incompatible land use surrounding the airport, and potential land acquisition and easements to accommodate future development or critical safety areas. Other services included an airspace analysis and obstruction survey where Kimley-Horn conducted an evaluation of existing and potential penetrations to the Part 77 Imaginary Surfaces and Threshold Siting Surfaces (per AC 150/5300-13A and FAA Engineering Brief No. 99). The results of this analysis supported the evaluation of any recommended runway related geometry or approach capability improvements. Kimley-Horn also led an airports GIS (AGIS) survey per FAA AC 150/5300-18B to verify objects on and around the airport considered obstacles to airspace.

**City of San Antonio, San Antonio International Airport, Runway and Taxiway Improvements (Rwy 12R/30L), San Antonio, TX** — Team member. Kimley-Horn has provided planning and engineering services on multiple projects for the San Antonio Airport System since 2012. As the prime consultant, Kimley-Horn provided planning and engineering services for the runway and taxiway improvements and hot spots removals at San Antonio International Airport (SAT). This five-year airfield rehabilitation program included reconstructing and rehabilitating multiple taxiways and portions of Runway 12R/30L, developing new taxiways (W), demolishing and relocating Taxiways E and N, new electrical work, developing a Surface Movement Guidance and Control System (SMGCS) plan, and providing additional engineering and planning support.



# Tom Hargrett, PLA, ASLA

## *Landscape Architecture*

### SPECIAL QUALIFICATIONS

- Landscape Architect Professional with over six years of public, private, and institutional design experience
- Experience includes landscape/hardscape design, irrigation design, project management, site planning, due diligence coordination, construction documents, cost estimation, and construction phase services
- Software experience includes Land F/X and Irrigation F/X, Adobe Suites, and GIS

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Landscape Architecture, University of Georgia, 2015
- Professional Landscape Architect in Florida, #6667512
- Member: American Society of Landscape Architects (ASLA)

### RELEVANT EXPERIENCE

**Village Arts Plaza, Sunrise** — Landscape architect for the design of this public plaza in the City of Sunrise that includes streetscape improvements to the existing Village Civic Center, portions of NW 68th Ave (between Sunset Strip and NE 22nd Court), and portions of the Village Multipurpose Center complex and parking lot. The project includes redesign and reconfiguring pedestrian and vehicular spaces to increase public art visibility, enhancements to the public realm between two buildings to create a flexible event space for community gatherings and other uses. Assisted in the development of conceptual design graphics, landscape, hardscape, and irrigation construction documentation, and cost estimates.

**Sunrise Municipal Center, Sunrise** — Landscape architect for the landscape, hardscape, and irrigation improvements for the proposed Sunrise City Hall Campus, Parking Garage, and Amphitheater Great Lawn. Kimley-Horn serves as lead engineering consultant for site civil design, landscape and irrigation design, hardscape design, traffic and parking studies; permitting, and construction phase services. This project consists of a new 100,000-squarefoot City Hall building, a 600-space parking garage, covered pedestrian connections, and improvements and expansion of existing facilities including an amphitheater.

**Oscar Wind Park, Sunrise** — Project landscape architect providing landscape design services for the expansion of Oscar Wind Park in Sunrise, Florida. This project includes improvements and renovations to the existing park, as well as the addition of new space from the School Board. The upgrades include new walkways, improvements to the existing parking lot on the School Board Cypress Bay Annex site, and landscaping/irrigation improvements. The project also includes the replacement of the playground and construction of an outdoor fitness court.

**City of Delray Beach Community Redevelopment Agency (CRA) Wayfinding, Delray Beach** — Landscape architect for the newly proposed Signage and Wayfinding system for the City of Delray Beach CRA. Kimley-Horn's services include applying for permits with the Florida Department of Transportation (FDOT) and City of Delray Beach for 40 locations for wayfinding signs of varying types and sizes throughout the City of Delray Beach City limits. Additional services include preparing exhibits that will display sign location in relation to Right of Way (R/W) and existing physical features, coordinating signage permitting with FDOT and City of Delray Beach, field visits to observe existing conditions of sign locations and determining alternate locations to facilitate implementation of the sign program, and permit application preparation and responses to permit comments.

### **Palm Beach County Fire Rescue Development and Implementation:**

**Comprehensive Fire Station CIP, Palm Beach County** — Project landscape architect for the due diligence review of the Palm Beach County Fire Rescue Station Comprehensive Improvements Program. Services included site investigation and due diligence reporting for the existing site design, landscape, and irrigation facilities for nine Palm Beach County Fire Stations. Landscape and Irrigation reports included professional recommendation(s) for future code related and aesthetical landscape and irrigation improvements.



# John McWilliams, P.E.

## Traffic

### SPECIAL QUALIFICATIONS

- Has 23 years of experience in traffic engineering and transportation planning with a focus on access management, traffic impact studies, corridor studies, operational analyses, signalization design, and the creative development of operational improvements for roadways in constrained areas

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, Ohio Northern University, 2000
- Professional Engineer in Florida, #62541, February 14, 2005
- Member: Institute of Transportation Engineers (ITE); Urban Land Institute (ULI)

### RELEVANT EXPERIENCE

#### **Pompano Beach East Transit Oriented Corridor (ETOC) Transportation Analysis, Pompano Beach**

— Project manager for the City of Pompano Beach CRA to provide transportation support services for a land use plan amendment along the Atlantic Boulevard corridor to allow for increased residential/mixed-use density and improve walkability/connectivity. Duties included corridor operations analysis, transportation systems management/geometric improvements, neighborhood protection and enhancement plans, and community outreach/workshops.

#### **Isle Casino Pompano Park Redevelopment Traffic Services, Pompano Beach**

Transportation engineer. Kimley-Horn is providing professional traffic engineering services for this redevelopment project. Our specific services include a Land Use Plan Amendment (LUPA) Traffic Circulation Analysis, traffic impact study, Florida Department of Transportation (FDOT) traffic impact study, intersection capacity analysis, conceptual roadway plans, meeting coordination, signal warrant analysis, and trip generation analysis.

**OceanSide at Pompano Beach, Pompano Beach** — Project engineer for the Kimley-Horn team that provided entitlement assistance and traffic engineering services for this project. Located on Florida's east coast between Fort Lauderdale and Boca Raton, OceanSide at Pompano Beach is a large-scale resort destination that combines ultra-luxury condos with a first-class hotel, spa, health club, and more. OceanSide has 900 feet of ocean frontage and is composed of three main buildings. The first is a 75-unit condominium; the second is a 188-unit condominium; and the third is a condo hotel containing 344 units. To support a resort lifestyle, OceanSide offers a variety of amenities, including a fitness center, beach cabanas, resort-style pool, poker/game room with oceanview terraces, a wine room, two restaurants, and a magnificent public plaza.

**City of Aventura General Services Contract, Aventura** — Project manager. Kimley-Horn is currently providing general traffic engineering and transportation planning services to city staff. Primary assignments include peer review of traffic impact and parking studies, site plan review, representation at public hearings, and signalization design. Additional assignments include the comprehensive study of various proposed infrastructure modifications, including Aventura Mall access and circulation, William Lehman Causeway interchange justification, US 1 median closures, and the extension of Miami Gardens Drive (east of US 1/Biscayne Boulevard).

**Pinecrest Village Transportation Master Plan, Pinecrest** — Project manager for the development of a Village wide transportation master plan. Project includes the identification, development, and conceptual design of improvements along corridors and intersections focusing on traffic operations, traffic calming, and multi-modal enhancements. Tasks include operational analysis, future traffic forecasting, improvement design, public outreach and cost estimating.



**Sheridan Stationside Village Hollywood, Hollywood** — Project manager. This transit-oriented development is located on the southwest corner of Sheridan Street and I-95 adjacent to the Tri-Rail station. The project included more than 1,000 residential units, 300,000 square feet of retail space, a 150-room hotel, and 300,000 square feet of office space. Kimley-Horn's services included preparation of a traffic impact mitigation plan for the associated land use plan amendment (LUPA) for the site, FDOT approvals, parking demand projections, and site circulation.

**Cleveland Clinic Florida Hospital Campus Pedestrian and Vehicular Traffic Circulation Analysis, Weston** — Contract manager for a comprehensive review of onsite pedestrian and vehicular circulation and facilities within the entire campus. Tasks included meetings attendance/presentations, field reviews, identification of infrastructure deficiencies, peak period traffic operations, pedestrian routing/safety, and identification of potential safety/operations improvements, and preliminary cost estimating. Results of study were presented to internal CCF committee for future implementation and programming.

**Brightline (formally All Aboard Florida) – Fort Lauderdale Station, Fort Lauderdale** — Project manager on the Kimley-Horn team that was retained to assess the impacts of the new train station in the City of Fort Lauderdale along the Florida East Coast (FEC) Railway as part of the proposed passenger rail service connecting Miami, Fort Lauderdale, and West Palm Beach. The initial study included examining the impacts the station, an at-grade crossing, and an extension of NW 2nd Avenue. The following update to the study utilizes traffic count data collected after the closure of the at-grade crossing and accounts for the access locations of the surface parking lots, proposed parking garage, and the drop-off/pick-up areas.



# Steven Cornell, P.E.

## *Construction Phase Services/Bidding Assistance*

### SPECIAL QUALIFICATIONS

- More than 37 years of planning, design, and construction of complex airport development programs
- Served as an airport owners capital development program director, as a construction contractor and as a consultant during his aviation career
- Extensive experience with as airport expansion, redevelopment, and rehabilitation projects on the airside, landside, and terminal facilities for airport clients across the U.S.

### PROFESSIONAL QUALIFICATIONS

- Bachelor of Science, Civil Engineering, University of South Florida, 1984
- Professional Engineer in Florida #39434, March 18, 1988
- Airport Consultants Council (ACC)
- American Association of Airport Executives (AAAE)
- Airports Council International

### RELEVANT EXPERIENCE

**Punta Gorda Airport, Rehabilitation and Extension of Runway 15/33 and Associated Taxiways, Punta Gorda** — Performed quality assurance and control services for the construction documents during the design phase of the project. Kimley-Horn provided design, bidding, and construction administration services to rehabilitate and extend Runway 15/33. Within the early phases of design, Kimley-Horn performed an extensive pavement condition analysis including a pavement coring program to fully understand the most economical approach for the rehabilitation. The rehabilitation consists of a nominal 1" profile milling and a 2" overlay of P/401 asphalt. The extension component of the project occurs at the Runway 33 end, which is being 593 feet for the full width of 150 feet. During design, Kimley-Horn coordinated regularly with airport staff. Engagement with stakeholders, such as ATCT Chief, FAA, Airlines, and Airport Operations, was necessary when preparing the construction safety and phasing plan. With a very stringent schedule to meet the deadline for FAA grant application, Kimley-Horn successfully prepared the contract documents on-time and fully coordinated with PGD staff exceeding their expectations for quality and service.

**Sarasota Bradenton International Airport (SRQ) Taxiway Bravo Rehabilitation, Sarasota** — Performed quality assurance and control services for the construction documents during the design phase of the project. Taxiway Bravo at the Sarasota Bradenton International Airport (SRQ) is a full-length parallel taxiway to Runway 4/22. This project included the rehabilitation of the Taxiway Bravo pavements north of Runway 14/32, including various taxiway crossings and pavement tie in locations. The scope of work included asphalt milling at various depths, asphalt paving, airfield markings, and reconstruction of a portion of the concrete ramp pavements adjoining the taxiway. In addition, the Taxiway Bravo edge light system was upgraded with new LED edge light fixtures and a new home-run circuit back to the airfield electrical vault and included the installation of a new constant current regulator to maximize efficiency of the new edge light system. The project limits exist within a busy section of the airfield that is consistently utilized by the Rectrix FBO and other general aviation tenants at SRQ.

**Southwest Florida International Airport (RSW), Rehabilitation of Airfield Pavements, Fort Myers** — Performed quality assurance and control services for the construction documents during the design phase of the project and review of submittals and requests for information (RFIs) during the construction phase. Kimley-Horn was selected to provide design manager services for the rehabilitation of airfield pavements at RSW including taxiways, taxiway connectors, and aircraft parking ramps. Kimley-Horn led an extensive investigation of the pavement and subsurface conditions, which included visual observations, geotechnical investigation, geophysical testing, non-destructive testing, and topographic and utility surveying. The project also incorporated safety and electrical improvements for the airfield. Coordinating closely with LCPA and FAA-ADO staff, Kimley-Horn developed strategies to reduce the potential for runway incursions and mitigate airport hot spots. Efficient phasing

coordination of this project was a top priority for Kimley-Horn, as RSW is a busy single-runway airport. Kimley-Horn is currently providing construction administration services for three construction projects under this program.

**St. Petersburg-Clearwater International Airport Runway 4/22 Rehabilitation, Clearwater** — Performed quality assurance and control services for the construction documents during the design phase of the project. This project includes the rehabilitation of Runway 4/22, including pavement rehabilitation, drainage system modifications, and a new airfield electrical system. As part of the project, Kimley-Horn prepared a length-width and cost analysis to determine final runway dimensions, as well as correct off-site drainage problems affecting the outfall of the runway drainage system.

**St. Petersburg-Clearwater International Airport, Runway 18/36 Rehabilitation, Clearwater** — Performed quality assurance and control services for the construction documents during the design phase of the project. Kimley-Horn provided airfield civil engineering, pavement design, airfield markings, and bid and construction phase services for the rehabilitation of Runway 18/36. The project involved the rehabilitation of the existing bituminous asphalt pavement; reconstruction of the centerline, touch down zone, and runway edge lighting systems; reconstruction of the runway distance remaining signs; reconstruction of the existing airfield signage; and widening of the paved shoulders; and the extension of Runway 4 for use by an aircraft carrier during construction.

**Aerostar, San Juan Luis Munoz Marin International Airport (SJU), Taxiway H Reconstruction, Carolina, PR** — Performed quality assurance and control services for the construction documents during the design phase of the project.

**Aerostar, Sun Juan Luiz Munoz Marin International Airport, Apron 6 Pavement Rehabilitation, Puerto Rico, PR** — Performed quality assurance and control services for the construction documents during the design phase of the project and review of submittals and requests for information (RFIs) during the construction phase. Kimley-Horn provided engineering design services to develop the reconstruction, maintenance and repair plans for concrete Apron 6. Our team conducted a pavement visual inspection to locate all the distresses within the limits of reconstruction and develop construction documents. The project scope was for the apron reconstruction only; this area is approximately 115,000 SF. Throughout the fast-track design, Kimley-Horn kept the client informed at all times.

**Puerto Rico Ports Authority, Eugenio Maria De Hosotos Airport (MAZ), Rehabilitation of Runway 9/27, Mayaguez, PR** Performed quality assurance and control services for the construction documents during the design phase of the project and review of submittals and requests for information (RFIs) during the construction phase.

**Detroit Metropolitan Wayne County Airport, McNamara Terminal Apron Reconstruction, Package #1, Detroit, MI** — Served as the resident project representative (RPR) for the construction phase of the project providing management of the on-site construction administration team that oversaw the contractor's compliance with the construction documents, review of submittals and requests for information (RFIs), payment applications and change management.

**MAA, Mobile Downtown Airport, Mobile** — Project manager for design of a wash rack facility capable of serving up to Airplane Design Group (ADG) V aircraft. The project includes reconstruction of existing airfield pavement, installation of a dedicated pavement drainage system with a diversion structure and oil water separator to direct wash water while the wash rack is in use into the sanitary sewer and rainwater into the storm drain when the wash rack is not in use. The project also includes mechanical and electrical infrastructure, high mast lighting, relocation airport perimeter security fence, and relocation of existing airside buildings to provide a clear taxiway object free area for the ADG V aircraft.

**GOAA, Orlando International Airport STC South Terminal C Phase 1, Orlando** — Senior project manager and QA/QC reviewer. Steve performed oversight of the project team during delivery of construction phase services for the project including review of submittals and requests for information (RFIs), budget reviews, and support of owner-driven changes to the construction plans. Kimley-Horn provides engineering services for the airfield civil design of the new South Terminal C. Kimley-Horn works closely with the subconsultant design teams for the Airside Concourse and Ground Service/Support Equipment elements of the project. The scope includes the design of apron and taxiway pavements, pavement markings, airfield electrical, a hydrant fueling system, sanitary sewer, fire hydrant protection system, stormwater management, oil-water separation system, airside vehicle service road system, and an AOA security fence. The taxiways will provide access between the new terminal and the existing airfield. Kimley-Horn assisted the airport in the location and geometry of the new taxiways to meet the FAA requirements for runway incursion mitigation (RIM). Phase I of the South Terminal C will consist of 16 gates (widebody and narrow-body) and 462,700 square yards of P-501 rigid portland cement concrete pavement. In addition, we also are serving as a subconsultant on the landside terminal building civil improvements.





## Kenneth Carlson, R.A.

President

Kenneth R. Carlson Architect, PA



### EDUCATION:

University of Illinois, Bachelor of Science in Architecture – 1974, including one year of international study in Versailles, France

### REGISTRATION:

Licensed Architect:  
Florida (AR0012546)  
Colorado (ARC305238)

**EXPERIENCE:** Founder of the firm Kenneth R. Carlson – Architect, P.A., Ken Carlson has more than 40 years of South Florida experience in architectural design, construction document development and construction administration.

### AFFILIATIONS:

American Institute of Architects (AIA),  
National Fire Protection Assoc. (NFPA)  
International Code Council (ICC)  
Gold Coast Builders Association  
Tilt-Up Concrete Association (TCA)  
the Urban Land Institute (ULI)

### Kenneth R. Carlson Architect, PA

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Deerfield Beach, FL 33442

(954) 427-8848

Kenc@kencarlson.com

Mr. Carlson has an extensive design background. Projects include churches, schools: secondary, high school, and adult education facilities, commercial mixed-use office park projects, financial institutions, medical, retail, restaurants, manufacturing and industrial buildings to name a few. His experience allows him to view projects from a practical hands-on perspective. His knowledge of local construction practices, his understanding of building codes and cost trends empower him with the necessary skills to work with his client and the selected consulting engineers in developing a successful project.

Over the past 30 years, Mr. Carlson has designed over 15 million square feet of building space.

### AVIATION EXPERIENCE:

**SheltAir Northside Hangars**, Fort Lauderdale executive Airport, Fort Lauderdale, FL  
**SheltAir Westside Hangars**, Fort Lauderdale-Hollywood International Airport, Fort Lauderdale, FL  
**SheltAir FBO**, Orlando Executive Airport, Orlando, Florida  
**Windor Jet Aviation FBO**, Fort Lauderdale Executive Airport, Fort Lauderdale, FL  
**Banyan Air Service FBO**, Fort Lauderdale Executive Airport, Ft. Lauderdale, FL  
**SheltAir FBO**, Northwest Florida Beaches International Airport, Panama City, FL  
**Federal Aviation Administration Offices**, Miramar, FL  
**Goodyear Hangar**, Pompano Beach Executive Airport, Pompano Beach, FL  
**TSA Tenant Improvement**, Fort Lauderdale International Airport, Fort Lauderdale, FL  
**SheltAir FBO**, Pompano Beach Executive Airport, Pompano Beach, FL  
**Hopa-Jet**, Fort Lauderdale Executive Airport, Fort Lauderdale, FL  
**Delta Airlines**, Palm Beach International Airport, West Palm Beach, FL



**Amy L. Champagne-Baker, PE**  
President  
Electrical Engineer

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Office: (954) 369-5810

Email: Amy.Champagne@Quantum-EE.com

**Education**

Clarkson University, Potsdam, NY  
Bachelor of Science  
Electrical Engineering – 1997

**Professional Registration**

Registered Electrical Engineer  
Florida – No. 73735

Registered Electrical Engineer  
Connecticut – No. 27854

Registered Electrical Engineer  
US Virgin Islands – No. 1291E

**Professional Memberships**

LEED-AP

IES

NFPA

FAC

**Tools**

AutoCAD, MicroStation, SKM Power  
Tools™ for Windows DAPPER,  
CAPTOR, AGI, REVIT

**Professional Experience**

Hillers Electrical Engineering Inc  
June 1997 – December 2019

Quantum Electrical Engineering Inc  
May 2014 – Present

**Professional Summary**

Amy Champagne-Baker is a 25-year Professional Engineer experienced in electrical design and construction management, with an extensive background completing various electrical engineering projects throughout the state of Florida. Amy strives to be an innovator who excels in the challenge of accurate solutions for difficult situations in the design and implementation of electrical systems. Throughout her career she takes great pride in being a well-rounded and reliable leader with outstanding interpersonal and communication skills who is driven to develop and grow within a challenging and rewarding environment.

Amy has developed and implemented successful programs and projects that delivered cost reductions that lead to increased overall customer satisfaction. As a detail-oriented and focused individual she has a passion to collaboratively work with multidisciplinary engaged teams to deliver time sensitive programs while maintaining priorities and achieving project expectations.

Her work in electrical design and construction management experience includes project management, installation observation, shop drawing submittal review, testing, startups, and construction observation of high, medium and low voltage distribution systems. Amy's detailed experience extends into Solid Waste projects, FDOT roadways, air carrier and general aviation airports, parking and site lighting, interior and exterior lighting systems, fire alarm and security system infrastructure, camera systems, normal and stand by emergency generation systems and power.

Technical expertise includes electrical design, lighting calculations, estimating, project budgeting, contract administration, scheduling, staffing, resource allocation, subcontracts, submittals, purchasing, client/owner interaction, cost analysis, labor tracking, quality, value engineering, change orders, invoicing, and project close out.

**Personal Project Experience**

POMPANO AIRPARK RUNWAY 28 EXTENSION AND RELATED WORK

This project included the design of a 185' runway extension, new bypass taxiway connector and demolition of 3 "hot spot" taxiway connectors. The project included runway and taxiway lighting and signage system, relocation of existing REIL system on Runway 28 and the design of a new REIL system for Runway 33.

BOCA RATON AIRPORT TAXIWAY WIDENING AND PAPI REPLACEMENT

This project included the design of the new electrical, signage & lighting system for Taxiway connectors P5, P9, P10 and Taxiway C. The design included the layout & design of new LED taxiway lighting fixtures, relocation of existing guidance signage and the design of two LED PAPI systems installed on existing foundations.

VENICE MUNICIPAL AIRPORT TAXIWAY D EXTENSION

This project included the design of the new Taxiway D extension (2,500 ft.) electrical & lighting systems. The design included the layout and design of LED lighting fixtures, taxiway guidance signage, conduit and junction can plaza design. Provided construction administrative services.

VENICE MUNICIPAL AIRPORT TAXIWAY E EXTENSION

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

NAPLES MUNICIPAL AIRPORT RUNWAY 5-23 DRAINAGE IMPROVEMENTS

This project included the design of new taxiway lighting and signage system for taxiway connectors impacted by the airport drainage improvement project. The project also includes new lighting and signage systems due to updated geometry to meet new FAA AC requirements for A5 and the removal of existing taxiway connector A6.

**James W. Kappes, PE**

Project Manager  
Electrical Engineer

**Quantum Electrical Engineering, Inc.**

5571 N. University Dr., Suite 101  
Coral Springs, FL 33067

Mobile: (561) 289-7380  
Office: (954) 369-5810  
Email: James.Kappes@Quantum-EE.com

**Education**

Florida Atlantic University, Boca Raton, FL  
Bachelor of Science  
Electrical Engineering – 2005

**Professional Registration**

Registered Electrical Engineer  
Florida – No. 71499

**Tools**

AutoCAD, SKM Power Tools™ for Windows DAPPER, CAPTOR, AGI

**Professional Experience**

United States Coast Guard  
Chief Warrant Officer, Retired  
August 1997-September 2018

Hillers Electrical Engineering, Inc.  
August 2005 – March 2020

Quantum Electrical Engineering, Inc.  
April 2020 – Present

**Professional Summary**

James Kappes is a 16-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 the elegant solution for difficult problems in the design and implementation of electrical systems.

James understands the importance of time commitments and has developed and implemented successful programs and projects, to improve efficiency, reduce costs and increase overall customer satisfaction. As a detail-oriented and focused individual he has a passion to work 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 airports 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 close out.

**Project Experience****TREASURE COAST INTERNATIONAL AIRPORT AND BUSINESS PARK RECONFIGURE TAXIWAYS E, C4, C5 AND RELATED WORK**

Designed new the 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/ductbank and conductor systems, new airfield guidance signage, and airfield regulator electrical calculations.

**NEW SMYRNA BEACH MUNICIPAL AIRPORT TAXIWAY C REHABILITATION**

Designed relocation of existing Taxiway airfield lighting and signage systems. Included layout & design new runway/taxiway lighting fixtures, new airfield guidance signage, repaneling existing airfield signage, new conduits and conductor systems, and airfield regulator electrical calculations. Provided construction administration.

**PALM BEACH INTERNATIONAL AIRPORT HOLD POSITIONS AND RGLS AT RW 10R-28L AND TW R1**

Designed new airfield lighting and signage systems for the hold bar relocation of Taxiway R1. Included layout & design of new runway guard light fixtures, new conduits/ductbank and conductor systems, new airfield guidance signage, modifications to airfield vault, new regulator, modification to existing airfield lighting control system, and airfield regulator electrical calculations

**POMPANO BEACH AIRPARK TAXIWAY D RECONSTRUCTION**

This project included the design of the new electrical, signage & lighting system for Taxiway D. The design included the layout & design of new LED lighting fixtures, new homerun connectors, and LED guidance signage.



**Michael R Beldowicz, PE**  
Construction Manager  
Civil Engineer

**Quantum Electrical Engineering, Inc.**  
5571 N. University Dr. Suite 101  
Coral Springs, FL 33067

Mobile: (954) 868-3302  
Office: (954) 369-5810  
Email:  
Michael.Beldowicz@Quantum-EE.com

#### Education

Embry Riddle Aeronautical University,  
Daytona Beach, FL  
Bachelor of Science  
Civil Engineering – 2000

#### Professional Registration

Registered Civil Engineer  
Florida – No. 63849

#### Professional Experience

Williams, Hatfield & Stoner, Inc.  
May 2000 – May 2003

Kimley-Horn and Associates, Inc.  
May 2003 – August 2010

Hypower, Inc.  
August 2010 – January 2014

Hillers Electrical Engineering, Inc.  
February 2014 – October 2020

Quantum Electrical Engineering, Inc.  
November 2020 – Present

#### Professional Summary

Michael Beldowicz, P.E. brings 22 years of civil and electrical design, project management and construction administration experience on major air carrier and GA airport construction projects. This comprehensive knowledge applies to project coordination, constructability/plan reviews, value engineering and overall on-site project observation.

Michael's knowledge of civil and electrical design, project management and construction has delivered potential cost reductions from original estimates that has increased overall customer satisfaction. He is detail-oriented and works collaboratively with the design and construction teams to deliver complex programs on-time and achieving project expectations. He excels at project management, utility coordination, shop drawing submittal review, testing, startups and construction observation of medium and low voltage distribution systems.

Michael understands the intricate balance between design and construction and provides insight and solutions to difficult problems, leading to successful implementation of electrical systems. His experience with lighting systems, lighting control systems, emergency generation systems, FDOT roadway lighting systems, air carrier and general aviation airports terminal/concourse and airfield systems pays dividends for our clients.

His background in the civil and electrical industries allows Quantum to provide a unique construction management experience to our clients.

#### Project Experience

##### POMPANO BEACH AIRPARK TAXIWAY D CONSTRUCTION SERVICES

Provide limited construction administration services for the electrical portion of the Taxiway D Reconstruction project. Includes on site observation of electrical installations, shop drawing review, RFI responses, pay application review, site visit reports, coordination between disciplines and trades.

##### TREASURE COAST INTERNATIONAL AIRPORT AND BUSINESS PARK REHABILITATION OF RUNWAY 14-32 AND RELATED WORK

Provided limited construction administration services for the rehabilitation of Runway 14-32 including the shoulders out to 10-feet. The project also included the decoupling of 2 runways and moving the threshold lights inboard. Included periodic on-site observation of electrical installations, shop drawing review, RFI responses and pay application review.

##### FT. LAUDERDALE EXECUTIVE AIRPORT SIGNAGE REPLACEMENT PROJECT

Provided limited construction administration services for the replacement of approximately 150 new guidance signs on new and existing concrete pads. Includes periodic on-site observation of electrical installations, shop drawing review, RFI responses and pay application review.

##### FT. LAUDERDALE EXECUTIVE AIRPORT RUNWAY INCURSION MITIGATION PROJECT

Provided limited construction administration services for the installation of elevated and flush mount guard lights at five high use intersections around the airport. Includes on site observation of electrical installations, shop drawing review, RFI responses and pay application review.

##### FT. LAUDERDALE EXECUTIVE AIRPORT TAXIWAY FOXTROT RELOCATION CA SERVICES

Provide limited construction administration services for the electrical portion of the Taxiway F Relocation project. Includes on site observation of electrical installations, shop drawing review, RFI responses, pay application review, site visit reports, coordination between disciplines and trades.





4341 S.W. 62nd Avenue, Davie, Florida 33314  
T: (954) 585-0997 • F: (954) 585-3927 • www.stonersurveyors.com

**James D. Stoner, P.S.M.**  
*President*

### *Professional Profile*

**Mr. Stoner** is a second generation Land Surveyor, with over forty years of surveying experience in South Florida. He began his surveying career at Williams, Hatfield, & Stoner, Inc. working from the bottom as a Rodman, all the way up to Vice President of the Surveying Department.

**Mr. Stoner** founded Stoner & Associates, Inc. in 1988, based on the philosophy that attention to detail and quality work would create a successful firm. He manages all aspects of the firm's growth and development.

**Mr. Stoner** has supervised both small and large scale surveying projects. His firm has successfully completed numerous roadway and other various projects, while working directly with the clients and consultants.



### *Education*

**Associates of Science in Land Surveying**  
*Palm Beach Community College in 1979*

### *Professional Registrations*

**State of Florida Professional Surveyor and Mapper**  
*License Number LS4039*

### *Professional Affiliations*

Florida Surveying and Mapping Society  
Florida Surveying and Mapping Society – Broward Chapter  
American Congress on Surveying and Mapping  
Leadership Broward



4341 S.W. 62nd Avenue, Davie, Florida 33314  
T: (954) 585-0997 • F: (954) 585-3927 • www.stonersurveyors.com

## Walter De La Rocha, P.S.M. *Professional Land Surveyor*

### *Professional Profile*

With over twenty-five years of experience under his belt, **Mr. De La Rocha** has extensive experience in ALTA/ACSM Land Title Surveys, Design Surveys, preparing Digital Terrain Models (DTM), Right-of-Way Control Surveys, Right-of-Way Monumentation, Utility Surveys, Parcel Staking, Boundary Survey, and Topographic Surveys.

During his twenty-three years of employment with Stoner & Associates **Mr. De La Rocha** has earned himself an outstanding reputation for the quality of his work.

**Mr. De La Rocha** is proficient in CAiCE, Eagle Point, EFB, MicroStation, Carlson Survey, and AutoCAD.



### *Education*

**Bachelors of Science in Civil Engineering**  
*University of Nicaragua in 1982*

### *Professional Registrations*

**State of Florida Professional Surveyor and Mapper**  
*License Number LS6081*

### *Professional Affiliations*

Florida Surveying and Mapping Society  
Florida Surveying and Mapping Society – Broward Chapter  
American Congress on Surveying and Mapping  
Leadership Broward

### *Professional Certifications*

Intermediate Work Zone Traffic Control





4341 S.W. 62nd Avenue, Davie, Florida 33314  
T: (954) 585-0997 • F: (954) 585-3927 • www.stonersurveyors.com

### *Professional Experience*

- **South Florida Water Management District**
  - STA 3/4 – Topographic Survey
  - East Coast Buffer Cells 28 & 29 – Boundary Survey
  - C-4 Canal Conveyance – Topographic Survey
  - Lake Hicpochee – Boundary and Topographic Surveys
- **Broward County Aviation**
  - Annual Runway Approach Surface Surveys
  - Numerous Lease Parcel Surveys
  - Design Surveys for Expansion of Airport Terminals
- **Broward College Continuing Contract for Surveying Services**
  - North Campus – Boundary survey overall Campus
  - Central Campus - Boundary survey overall Campus
  - South Campus - Boundary survey overall Campus
  - Numerous Topographic and As-built Surveys for expansion of Facilities
- **City of Sunrise Continuing Contract for Surveying Services**
  - Southwest Water Treatment Plant – As-Built Survey
  - Sunrise Road Improvements – Various Topographic Surveys
  - Five Vacant Parcels – Boundary Surveys
  - Park City Water Treatment Plant – Updated Boundary Survey
  - Passive Park – Topographic and Utility Surveys
  - City Hall Parking Lot – Topographic Survey
  - N.W. 44<sup>th</sup> Street – Topographic Survey
  - Lutheran Church Site Acquisition – Boundary Survey
- **Town of Davie Continuing Contract for Surveying Services**
  - Oakes Road Fire Station – Boundary Survey
  - Lift Station Number 11 Improvement Project – Topographic Survey
  - Silver Lakes Park – Construction Layout Survey
  - Wachovia Bank Parcels – Boundary, Topographic, & Tree Surveys
  - Parks & Recreation Building at Pine Island Park – Topographic Survey
  - Orange Drive – Topographic & Tree Surveys
  - Eastside Community Hall – Topographic & Tree Surveys
  - N-20 Canal – Topographic Survey
  - Public Works Gas Pump Station – Topographic Survey
  - S.W. 130<sup>th</sup> Avenue Canal – Topographic Survey
  - Sunny Lake Expansion – Boundary Survey



## Harmon Bennett, PE

### Principal Engineer

### 29 Years Professional Experience



### Education

BSCE / 1994 / Geotechnical  
(Cum Laude) / University of  
Southern Florida

AS / 1992 / Engineering  
Preparation / Hillsborough  
Community College

AS / 1990 / Munitions  
Systems Technology /  
Community College of the  
Air Force

### Professional Organization and Registration

Professional Engineer:  
Florida, 53130

Tin# B53032365

CTQP QC Manager

CTQP Final Estimates Level 1  
and 2

## Professional Experience

Mr. Bennett, P.E. is a Florida registered Professional Engineer with over 29 years of experience. He has completed numerous projects for the FDOT as Geotechnical Engineer in the areas of roadway and bridge foundation investigations, asphalt coring and evaluation programs and design studies. Additionally, He has completed numerous geotechnical investigation and materials testing service projects for private clients, to include multi-story structures, distribution centers, hotels, large-scale retail, hospitals, and others. He also served as the Contract Project Manager for multiple FDOT District 1 District-wide Materials Testing Contract and District 7 District-wide CEI Contracts, coordinating contract management, testing, and personnel utilization. He has completed numerous Construction Engineering & Inspection (CEI) Projects for State Agencies. Harmon holds a current Florida Engineer's License as well as an inactive Florida General Contractor License. He is experienced in nearly all forms of construction for Commercial and Transportation related projects, including multi-story structures, large scale commercial, roadways, bridges, walls, foundations, etc.

## Relevant Broward County Aviation Project Experience

- Pompano Air Park (PMP) Runway 28 Extension and Related Work
- PMP Access Road NE 10<sup>th</sup> Street
- PMP Taxiway Delta Relocation/Replacement
- PMP Taxiway Kilo
- PMP Runway 15-33 Rehab
- PMP Master Drainage Plan
- Fort Lauderdale Executive Airport (FXE) Taxiway G Rehab
- FXE Taxiway H and Q Modifications
- FXE Private Parking Lot – Parcel 21B
- FXE Taxiway Intersection Improvements
- FXE Aviation and Service (AES) Facility Expansion
- FXE Airport Design Services for Maintenance Run-Up Area Expansion
- FXE Runway 31 Bypass Taxiways
- Fort Lauderdale-Hollywood International Airport (FLL) Terminal 2 Connector Bump Outs
- FLL Terminal 1 Repairs
- FLL Terminal 2 Modernization
- FLL Terminal Connector Bridge and Terminal 2 Bump-Outs
- FLL Terminal 3 Connector Bump Outs
- FLL Terminal 4 Expansion – Area A-1
- FLL Terminal 4 Apron-Phases G1, G2 and G3
- FLL Terminal 4 Federal Inspection Services Modernization
- FLL Roadway & Garage Wayfinding Signage Project
- North Perry Airport (HWO) Perimeter Security System

**KUMAR VEDULA, PE****Principal Geotechnical Engineer****26 Years Professional Experience****Education**

MS in Geotechnical Engineering, University of Memphis, 1995

BE in Civil Engineering, Andhra University, 1992

**Professional Organization and Registration**

Professional Engineer 54873

American Society of Civil Engineers, Past President (Broward Branch)

**Professional Experience**

Mr. Vedula, a Florida-Registered Professional Engineer, has over 26 years of experience providing engineering services for a wide variety of geotechnical projects involving foundation design, slope stability analysis, WEAP analysis and interpreting PDA reports, excavation support, and construction inspection. His extensive experience includes foundation inspections (shallow and deep foundations), soil modification (dynamic compaction, stone columns), preloading, excavations, backfilling, and post construction monitoring. Mr. Vedula has served as a principal inspector on numerous surcharging and settlement evaluations of organic laden soils assignments. His project experience includes 300+ geotechnical engineering studies for various projects types including parks, piers, shoreline stabilization, dredging, bridges, roadways, utilities, high rise buildings, schools, and government facilities. Mr. Vedula has authored, and co-authored papers published in national and international publications.

**Relevant Broward County Aviation Project Experience**

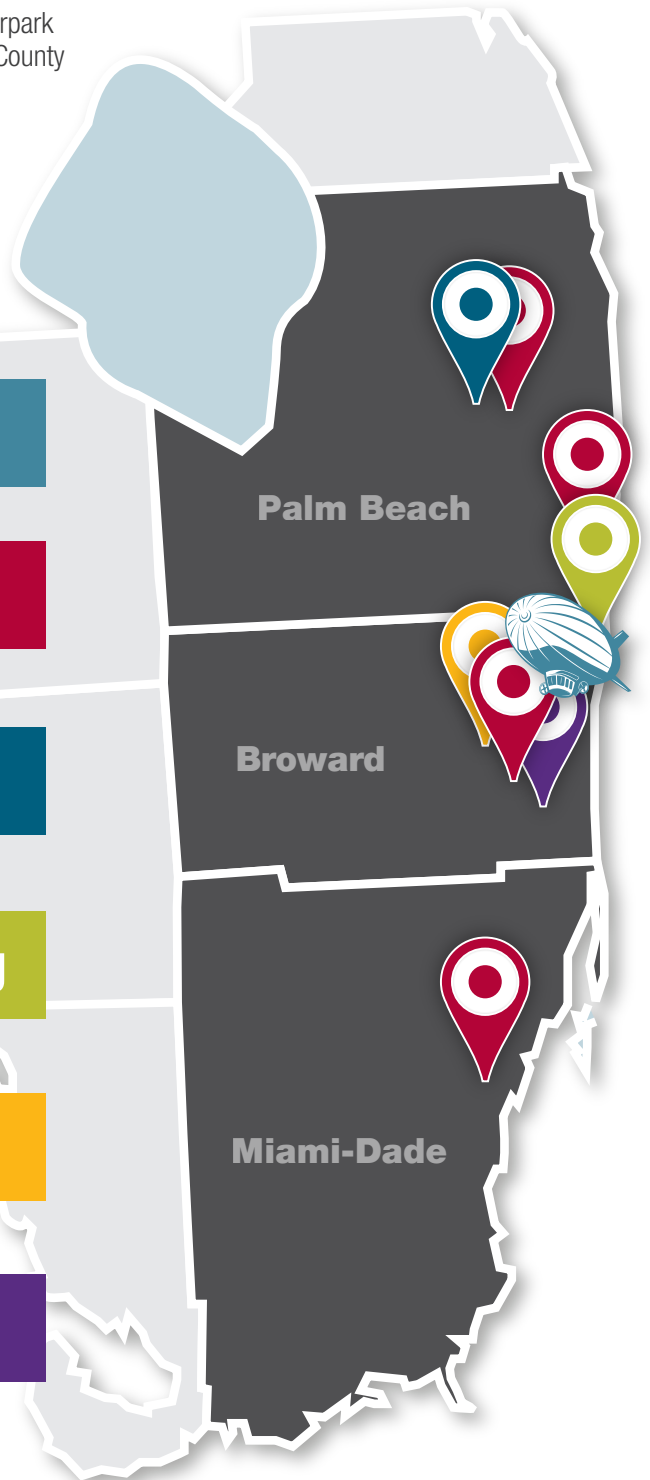
- Pompano Air Park (PMP) Runway 28 Extension and Related Work
- PMP Access Road NE 10<sup>th</sup> Street
- PMP Taxiway Delta Relocation/Replacement
- PMP Taxiway Kilo
- PMP Runway 15-33 Rehab
- PMP Master Drainage Plan
- Fort Lauderdale Executive Airport (FXE) Taxiway G Rehab
- FXE Taxiway H and Q Modifications
- FXE Private Parking Lot – Parcel 21B
- FXE Taxiway Sierra Rehabilitation
- FXE Taxiway F Relocation/Rehabilitation
- FXE Taxiway Intersection Improvements
- FXE Aviation and Service (AES) Facility Expansion
- FXE Airport Design Services for Maintenance Run-Up Area Expansion
- FXE Runway 31 Bypass Taxiways
- FXE Loop Perimeter Road
- FXE Electrical Vault Improvements
- FXE Intersection Improvements
- FXE Administrative Building Addition
- Fort Lauderdale-Hollywood International Airport (FLL) Terminal 2 Connector Bump Outs
- FLL Terminal 1 Repairs
- FLL Terminal 2 Modernization
- FLL Terminal Connector Bridge and Terminal 2 Bump-Outs
- FLL Terminal 3 Connector Bump Outs
- FLL Terminal 4 Expansion – Area A-1
- FLL Terminal 4 Apron-Phases G1, G2 and G3
- FLL Terminal 4 Federal Inspection Services Modernization
- FLL Roadway & Garage Wayfinding Signage Project
- North Perry Airport (HWO) Perimeter Security System

SECTION 9

# Office Locations

The Kimley-Horn team is ideally located to continue serving Pompano Beach Airpark from our Plantation office with support from our Palm Beach and Miami-Dade County offices. Our subconsultant partners also complement our locations to provide prompt and responsive service to rapidly meet your needs.

-  **Pompano Beach Airpark**
-  **Kimley-Horn Offices**
-  **Tierra South Florida**
-  **Quantum Electrical Engineering**
-  **Kenneth Carlson**
-  **Stoner & Associates**



## SECTION 10

# Litigation

Kimley-Horn and its subsidiaries have provided services in all 50 states and numerous countries. Because of the many and varied projects we have completed, we are subject to various legal proceedings from time to time and in the ordinary course of business. It is not practical to provide a complete list as part of this proposal.

**Kimley-Horn's  
General Counsel**  
Richard Cook  
919.677.2058



In the last five (5) years, Kimley-Horn has had more than 23,198 active projects in Florida, 30 of which had some form of litigation. Of these cases, 3 were dismissed, 15 were settled, and 12 are pending. This represents 0.1293% of all projects completed by Kimley-Horn in Florida over the past five years. The pending cases involve alleged personal injuries by third parties or alleged economic loss. None of the pending cases, if decided against Kimley-Horn, would have a material impact on our financial statements or impair in any way our ability to serve our clients. Generally, these matters are covered by insurance, and we consider them to be without merit.

If you would like to discuss our legal matters in more detail, please contact Kimley-Horn's General Counsel, Richard Cook, at 919.677.2058.

SECTION 11

# City Forms



**BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM**

**EXHIBIT E**

**MINORITY BUSINESS ENTERPRISE PARTICIPATION**

RLI # E-10-22

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each firm listed with your electronic submittal.

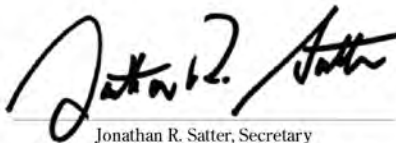
Name of Firm	Certificate Included?
Tierra South Florida	Yes
Stoner and Associates	Yes
Quantum Electrical Engineering, Inc.	Yes

# State of Florida

## Minority Business Certification

Tierra South Florida, Inc.

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
09/17/2021 to 09/17/2023



Jonathan R. Satter, Secretary  
Florida Department of Management Services



Office of Supplier Diversity  
4050 Esplanade Way, Suite 380  
Tallahassee, FL 32399  
850-487-0915  
[www.dms.myflorida.com/osd](http://www.dms.myflorida.com/osd)



Governmental Center Annex  
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

Office of Economic and  
Small Business Development

*This Certificate is Awarded to:*

**STONER & ASSOCIATES, INC.**

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

**County Business Enterprise (CBE)  
Anniversary Date: June 19<sup>th</sup>**

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

**A Service of the Broward County Board of County Commissioners**  
[www.broward.org/smallbusiness](http://www.broward.org/smallbusiness)



Governmental Center Annex  
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

Office of Economic and  
Small Business Development

*This Certificate is Awarded to:*

Quantum Electrical Engineering, Inc.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

County Business Enterprise (CBE)  
Small Business Enterprise (SBE)  
Anniversary Date: November 23

A handwritten signature in blue ink, appearing to read "Sue D.", is written over a horizontal line.

Authorized Representative

The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners  
[www.broward.org/smallbusiness](http://www.broward.org/smallbusiness)

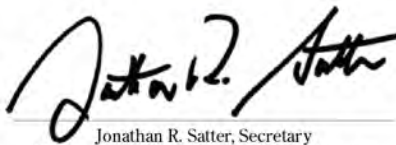


# State of Florida

## Woman Business Certification

### Quantum Electrical Engineering, Inc

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
08/12/2021 to 08/12/2023



Jonathan R. Satter, Secretary  
Florida Department of Management Services



Office of Supplier Diversity  
4050 Esplanade Way, Suite 380  
Tallahassee, FL 32399  
850-487-0915  
[www.dms.myflorida.com/osd](http://www.dms.myflorida.com/osd)

**COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFP IN THE EBID SYSTEM.**

***PROPOSER INFORMATION PAGE***

**RFP** E-10-22, Continuing Contracts For Airpark Engineering Services  
 (number) (RFP name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFP. I have read the RFP and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) John McWilliams Title Senior Vice President

Company (Legal Registered) Kimley-Horn and Associates, Inc.

Federal Tax Identification Number 56-0885615

Address 8201 Peters Road, Suite 2200

City/State/Zip Plantation, Florida 33324

Telephone No. 954.535.5100 Fax No. 561.863.8175

Email Address john.mcwilliams@kimley-horn.com



## SECTION 12

# Reviewed and Audited Financial Statements

# 2020 REVENUES \$1.2B

Currently finalizing 2021 revenues

## KIMLEY-HORN FINANCIAL CAPABILITY

Kimley-Horn and Associates, Inc. is a full-service engineering and consulting firm with approximately 5,500 employees and over 100 offices in 30 states and Puerto Rico. The Company had 2020 revenues of \$1.2 billion and we are currently finalizing our 2021 revenues. Kimley-Horn has been in business since 1967. We are financially strong, and we are committed to our continued financial health. As of December 31, 2020, the Company had total assets of \$630 million and stockholder's equity of approximately \$181 million. In addition to the financial resources noted, Kimley-Horn also has an untapped \$10 million operating line of credit available for short-term cash flow needs. The Company's cash flow continues to be very strong. We maintain a disciplined focus on business fundamentals, operate the firm conservatively, and our internal controls and business standards are designed to keep our foundation strong.

Kimley-Horn uses one institutional lender, Wells Fargo. If necessary, reference information can be obtained from the following contact:

Michael Pugsley Senior Vice President  
Wells Fargo Bank, N.A.  
150 Fayetteville Street, Suite 600  
PO Box 3008  
Raleigh, NC 27601  
(919) 881-6469

For any questions regarding Kimley-Horn's financial status, please contact Lindsey Balltzglier, Controller, at (919) 678-4141.

We have uploaded our 2019 and 2020 Financial Statement to your eBid system per the instructions in your RLI document.

### Institutional Lender

Michael Pugsley  
Senior Vice President  
Wells Fargo Bank, N.A.  
150 Fayetteville Street, Suite 600  
PO Box 3008  
Raleigh, NC 27601  
(919) 881-6469



## SECTION 13

# Insurance

Kimley-Horn has included our sample Insurance Certificate that meets or exceeds all but one of the requirements listing in the City of Pompano Beach's RLI document. If selected our insurance carrier will issue a specific insurance certificate including Cyber Coverage and name the City as an additional insured as listed in your insurance requirements.

Client#: 25320

**ACORD**<sup>TM</sup>**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

3/28/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> <b>Greyling Ins. Brokerage/EPIC</b> <b>3780 Mansell Road, Suite 370</b> <b>Alpharetta, GA 30022</b>	<b>CONTACT NAME:</b> <b>Jerry Noyola</b> <b>PHONE (A/C, No, Ext):</b> <b>770-220-7699</b>	<b>FAX (A/C, No):</b>	
	<b>E-MAIL ADDRESS:</b> <b>jerry.noyola@greyling.com</b>		
<b>INSURED</b>  <b>Kimley-Horn and Associates, Inc.</b> <b>421 Fayetteville Street, Suite 600</b> <b>Raleigh, NC 27601</b>	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
	<b>INSURER A : National Union Fire Ins. Co.</b>		<b>19445</b>
	<b>INSURER B : Allied World Assurance Company (U.S.)</b>		<b>19489</b>
	<b>INSURER C : New Hampshire Ins. Co.</b>		<b>23841</b>
	<b>INSURER D : Lloyds of London</b>		<b>085202</b>
	<b>INSURER E :</b>		
<b>INSURER F :</b>			

**COVERAGES****CERTIFICATE NUMBER: 22-23****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
<b>A</b>	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>Contractual Liab</b>  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			<b>GL5268169</b>	<b>04/01/2022</b>	<b>04/01/2023</b>	EACH OCCURRENCE	<b>\$1,000,000</b>
							DAMAGE TO RENTED PREMISES (Ea occurrence)	<b>\$500,000</b>
							MED EXP (Any one person)	<b>\$25,000</b>
							PERSONAL & ADV INJURY	<b>\$1,000,000</b>
							GENERAL AGGREGATE	<b>\$2,000,000</b>
							PRODUCTS - COMP/OP AGG	<b>\$2,000,000</b>
								\$
<b>A</b>	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			<b>CA4489663</b>	<b>04/01/2022</b>	<b>04/01/2023</b>	COMBINED SINGLE LIMIT (Ea accident)	<b>\$2,000,000</b>
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
<b>B</b>	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION <b>\$10,000</b>			<b>03127930</b>	<b>04/01/2022</b>	<b>04/01/2023</b>	EACH OCCURRENCE	<b>\$10,000,000</b>
							AGGREGATE	<b>\$10,000,000</b>
								\$
<b>C</b>	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			<b>WC015893685 (AOS)</b>	<b>04/01/2022</b>	<b>04/01/2023</b>	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
<b>C</b>				<b>WC015893686 (CA)</b>	<b>04/01/2022</b>	<b>04/01/2023</b>	E.L. EACH ACCIDENT	<b>\$1,000,000</b>
							E.L. DISEASE - EA EMPLOYEE	<b>\$1,000,000</b>
							E.L. DISEASE - POLICY LIMIT	<b>\$1,000,000</b>
<b>D</b>	<b>Professional Liab</b>			<b>B0146LDUSA2204949</b>	<b>04/01/2022</b>	<b>04/01/2023</b>	Per Claim	<b>\$2,000,000</b>
							Aggregate	<b>\$2,000,000</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**Umbrella Follows Form with respects to General, Automobile & Employers Liability Policies.**

**CERTIFICATE HOLDER**

Sample Certificate

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*De N. Collins*

**HOURLY BILLING RATES FOR TASK ORDERS****City of Pompano Beach****Pompano Beach Airpark (PMP)****Continuing Contracts for Airpark  
Engineering Services (E-10-22)****Kimley-Horn and Associates, Inc.****Standard Hourly Rate Table**

<b><u>CATEGORY</u></b>	<b><u>HOURLY RATE</u></b>
PRINCIPAL	\$300.00
SENIOR PROJECT MANAGER	\$290.00
SENIOR PROFESSIONAL	\$260.00
PROJECT MANAGER	\$241.00
SENIOR ENGINEER	\$225.00
PROJECT ENGINEER	\$200.00
ENGINEER	\$175.00
INTERN	\$95.00
SENIOR ENVIRONMENTAL SCIENTIST	\$200.00
ENVIRONMENTAL SCIENTIST	\$175.00
SENIOR DESIGNER	\$225.00
SR. RESIDENT PROJECT REP.	\$195.00
RESIDENT PROJECT REPRESENTATIVE	\$147.00
SUPPORT STAFF	\$90.00
PRINCIPAL LANDSCAPE ARCHITECT	\$295.00
SENIOR LANDSCAPE ARCHITECT	\$225.00
LICENSED LANDSCAPE ARCHITECT	\$195.00
PROJECT SPECIALIST	\$165.00

These rates may be increased by 5% on July 1 of every year when request is made to  
the City of Pompano Beach

**Subconsultant Hourly Billing Rates**  
**Kenneth R. Carlson – Architect, P.A.**  
**Standard Hourly Rate Table**

<u>CATEGORY</u>	<u>HOURLY RATE</u>
PRINCIPAL	\$225.00
ASSOCIATE	\$175.00
SENIOR ARCHITECT	\$150.00
ARCHITECT/PM	\$120.00
GRAPHIC DESIGNER	\$120.00
SENIOR TECHNICAL DRAFTSPERSON	\$100.00
TECHNICAL DRAFTSPERSON II	\$85.00
TECHNICAL DRAFTSPERSON I	\$60.00
SUPPORT DRAFTSPERSON	\$60.00
SECRETARY	\$60.00
ADMINISTRATION	\$75.00

**Quantum Electrical Engineering, Inc.**  
**Standard Hourly Rate Table**

<u>CATEGORY</u>	<u>HOURLY RATE</u>
PROJECT MANAGER	\$180.00
PROFESSIONAL ENGINEER	\$160.00
PROJECT ENGINEER	\$140.00
FIELD ENGINEER	\$140.00
CADD TECHNICIAN	\$90.00
CLERICAL	\$48.00

**Stoner & Associates, Inc.**  
**Standard Hourly Rate Table**

<b><u>CATEGORY</u></b>	<b><u>HOURLY RATE</u></b>
PRINCIPAL LAND SURVEYOR	\$119.72
SR. PROFESSIONAL LAND SURVEYOR	\$105.35
PROJECT MANAGER	\$83.79
SURVEY/CAD TECHNICIAN	\$62.25
CREW CHIEF	\$74.70
INSTRUMENT PERSON	\$51.05
ROD PERSON	\$37.35
ADMINISTRATIVE	\$83.79



**TIERRA SOUTH FLORIDA, INC.  
FOUNDATION, SOILS AND MATERIAL TESTING RATES**

<b>Title</b>	<b>Proposed Hourly Rate</b>
Project Manager	\$235.00
Chief Engineer	\$215.00
Principal Engineer	\$200.00
Senior Engineer	\$175.00
Project Engineer	\$155.00
Staff Engineer	\$120.00
Sr. Engineering Technician	\$95.00
Draftsman	\$105.00
Inspector	\$95.00
MOT Qualified Worker	\$90.00

## Foundation, Soils and Material Testing.

### GEOTECHNICAL ENGINEERING AND LABORATORY TESTING SERVICES

Standard Penetration Test Borings (ATSM D-1586), Truck Rig or Mud Bug Rig		
0 - 50 Foot Depth Interval	\$ 14.00	foot
51 - 100 Foot Depth Interval	\$ 16.00	foot
101 - 150 Foot Depth Interval	\$ 19.00	foot
Auger Borings (Drill Rig – ASTM 4700)		
0 - 50 Foot Depth Interval	\$ 11.00	foot
51 - 100 Foot Depth Interval	\$ 13.00	foot
Undisturbed Samples (Shelby Tubes)		
0 - 50 Foot	\$ 105.00	foot
51 - 100 Foot	\$ 130.00	foot
Temporary Casing (3-inch casing)		
0-50 Foot	\$ 7.00	foot
51 - 100 Foot	\$ 9.00	foot
101 - 150 Foot	\$ 12.00	foot
Grout Boreholes		
Truck/Mud Bug 0-50 Ft	\$ 6.00	foot
51-100 ft	\$ 8.00	foot
100-150 ft	\$ 10.00	foot
Muck Probing		
2-Man Crew	\$ 140.00	hour
3-Man Crew	\$ 200.00	hour
Permeability/Percolations Tests – Field (SFWMD Usual Open Hole Method)	\$ 400.00	each
Rock Coring (0 to 50 feet- Truck Mounted)	\$ 40.00	foot
Rock Coring (51 to 100 feet- Truck Mounted)	\$ 48.00	foot
Temporary Casing (6-inch casing)		
0 to 50 feet	\$ 12.00	foot
51 to 100 feet	\$ 14.00	foot
Site Clearing Supervision	\$ 55.00	hour
For drilling services inside existing structures - ventilation, lighting		
Extra Split Spoons (0 to 50 feet - truck mounted)	\$ 30.00	foot
Extra Split Spoons (51 to 100 feet - truck mounted)	\$ 35.00	foot

### SOIL TESTING

Field Density/Test (five [5] minimum)	\$ 26.00	test
Standard Proctors	\$ 125.00	test

Modified Proctors	\$ 125.00	test
Florida Bearing Value Test	\$ 105.00	test
Limerock Bearing Ratio Test (Laboratory Test)	\$ 300.00	test
California Bearing Ratio Test (Laboratory Test)	\$ 350.00	test
Atterberg Limit Test	\$ 75.00	test
Carbonate Content Test	\$ 65.00	test
Organic Content Test (FM 1-T267)	\$ 42.00	test
D.O.T. Corrosivity	\$ 95.00	test
Soil Observation (On Site) - Sr. Eng. Tech	\$ 65.00	test
Natural Sample Moisture Content	\$ 18.00	test
Unit Weight and Moisture Content (Undisturbed Sample)	\$ 45.00	test
Sulfate Soundness (5 Cycles)	\$ 300.00	test
LA Abrasion	\$ 255.00	test
Permeability Tests (fine grained soils)	\$ 250.00	test
Permeability Tests (sands)	\$ 250.00	test
Sieve Analysis (Complete) (ASTM D 6913)	\$ 60.00	test
Sieve Analysis (-200 only) (ASTM D 1140)	\$ 40.00	test
Hydrometer Analysis (does not include +200 sieve analysis) (ASTM D 422)	\$ 120.00	test
Corrosion Series (pH, Sulphates, Chloride, Resistivity) (FDOT)	\$ 150.00	test
Soil Resistivity (ASTM G-187)	\$ 75.00	test
Specific Gravity (ASTM D 854)	\$ 65.00	test
Unit Weight Determination (ASTM D 2937 and D 2216)	\$ 60.00	test
Calcium Carbonate of Aggregates (ASTM D 3042)	\$ 60.00	test
Consolidation Tests (ASTM D-2435) up to 12 load increments	\$ 450.00	test
Consolidation Test, additional load increment	\$ 75.00	test
Hydraulic Conductivity tests of Granular Soils (Constant Head) (ASTM D 2434)	\$ 300.00	test
Hydraulic Conductivity tests - Flexible W all Permeameter (ASTM D 5084)	\$ 250.00	test
Unconfined Compression Test (soil) (ASTM D 1266)	\$ 155.00	test
Unconfined Compression Test (rock) (ASTM D 7012)	\$ 140.00	test
Splitting Tensile Test (rock) (ASTM D 3967)	\$ 140.00	test
Triaxial Test - Unconsolidated-Undrained (UU) (ASTM D 2850)	\$ 300.00	test
Triaxial Test - Consolidated - Undrained (CU) (ASTM D 4767)	\$ 350.00	test
Triaxial Test - Consolidated - Drained (CD) (USACE)	\$ 350.00	test
Preparation of samples for consolidation, permeability or strength tests	\$ 100.00	test

<b>SAMPLING &amp; TESTING OF FRESH CONCRETE</b>	
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Curing, capping and compressive strength testing of concrete cylinders in Consultant's laboratory	\$ 90.00	set/6
Field Sampling Fresh Concrete (sampling, molding, slump testing, temperature)	\$ 50.00	each
Yield Tests (Calculation only; does not include time at the plant)	\$ 45.00	each
Air Content Tests	\$ 18.00	each
Unit Weight Tests	\$ 25.00	each
Plant Control (Precast Yard Inspection)	\$ 75.00	each
Mix Designs (Materials delivered to contractor's laboratory)	\$ 400.00	each
Verification of Mix Design	\$ 125.00	each
Fineness Modulus	\$ 70.00	each
Concrete Block Strength Test (gross area)	\$ 65.00	each
Concrete Block Absorption & Strength Test (net area)- 3 Blocks/Set	\$ 110.00	each
Concrete Beam Flexural Strength - 3 Beams/Set	\$ 125.00	each
Flexural Strength of Concrete Beam (ASTM C 78)	\$ 135.00	set/3
Casting and Compressive Strength of Hydraulic Cement Mortars using Cube Specimens (ASTM C 109)	\$ 65.00	each
<b>SAMPLING &amp; TESTING OF IN-PLACE CONCRETE</b>		
Mobilization for coring or ultrasonic testing	\$ 150.00	each
Trimming, measuring, capping, curing & testing of concrete cores	\$ 40.00	each

### **CONCRETE & MASONRY MATERIALS**

Concrete Compression test (Min. four [4] cylinders per trip)		
- Prepare cylinders & slump test on site, and deliver to lab	\$ 75.00	set
Additional Concrete cylinders <u>with slump</u>	\$ 20.00	Cylinder
Concrete Compression test only [delivered to lab]	\$ 15.00	Cylinder
Slump test	\$ 15.00	each
Stand-by (Beyond 1 hour on site)	\$ 65.00	hour
Grout Prism (Six [6] per set) - Includes preparation of Prism on site	\$ 150.00	set/6
2" x 2" - Includes preparation of Cubes on site	\$ 150.00	set
Additional Mortar cubes	\$ 20.00	each
Masonry Units		
A. Compressive Strength <u>(ASTM C39)</u>	\$ 70.00	each
B. Absorption	\$ 75.00	each
Concrete Cores (Min. 3);		
- Secure, trim & test 4 inch diameter	\$ 100.00	each
- Secure, trim & test 6 inch diameter	\$ 110.00	each
- Testing of core [delivered to lab (Incl. Trim)]	\$ 40.00	each
Swiss Hammer Testing (Sr. Eng Tech)	\$ 65.00	hour
Windsor Probe Test - per 3 shots (Min. 3 shots)	\$ 105.00	set/3
Additional Windsor Probe Tests (per 3 shots)	\$ 75.00	set/3
Patching Cored Holes	\$ 40.00	each
Organic (colometric AST C-40)	\$ 40.00	each

### **AGGREGATE TESTING**

Grain size determination:		
A. Full grain size (8 sieves)	\$ 80.00	each
B. Wash through (#200)	\$ 45.00	each
Sieve Analysis – Course Aggregate	\$ 50.00	each
Specific Gravity & Absorption of Fine or Coarse Aggregate	\$ 75.00	each

### ASPHALT TESTING

Asphalt Cores (obtaining core samples) (Min. 3)	\$ 200.00	each
Ignition of Asphalt for Asphalt Content and Extraction & Gradation (ASTM D 2172 or D 6752)	\$ 160.00	each
In-situ Density Tests - Nuclear Gauge Method (ASTM D 2950)	\$ 35.00	hour
Asphalt Density and Thickness	\$ 50.00	each
Asphaltic Density Plant Inspection	\$ 75.00	hour
Marshall Stability (Incl. density, flow and stability of 3 specimens)(50 blows)	\$ 120.00	each

### MISCELLANEOUS SERVICES

Foundation Analysis and Recommendation / Reporting	Hourly	
Percolation test (open hole)	\$ 400.00	test
Slug Perc Test (min 2)	\$ 600.00	test
Double Ring Infiltration Test ASTM D-3385 (Min 2 tests)	\$ 700.00	test
Exfiltration Test (SFWMD)	\$ 400.00	each
Install Groundwater Monitoring Well, <25' (per PBCWUD Stds & Details)	\$ 35.00	l.ft
Install Groundwater Monitoring Well, 25' - 50' (per PBCWUD Stds & Details)	\$ 45.00	l.ft
Locking Well Cover and Pad	\$ 220.00	each
Development of Monitoring Wells	\$ 140.00	hour
Plug & Abandon Monitoring Well, <25' Depth	\$ 14.00	ft
Plug & Abandon Monitoring Well, 25' - 50' Depth	\$ 18.00	ft

### DRILLING EQUIPMENT MOBILIZATION/DEMobilIZATION (includes drill rig mileage)

Truck - Mounted Rig	\$ 400.00	each
ATV - Mounted Rig - (sites not accessible to truck mounted equipment)	\$ 1,200.00	each
Amphibious / Barge (mounted equipment)	\$ 8,000.00	day

### FOUNDATION TESTING SERVICES

Vibration/ Noise Monitoring Equipment - seismograph with geophone or microphone (includes mobilization, equipment and labor)	\$ 100.00	day
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### CHEMICAL TESTING

pH	\$ 55.00	test
Resistivity	\$ 55.00	test
Sulfate	\$ 55.00	test
Chloride	\$ 55.00	test

Carbonate Content	\$ 75.00	test
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### **SITE PREPARATION MONITORING & TESTING**

In-situ Density Tests - Nuclear Gauge Method (ASTM D 2922)	\$ 65.00	hour
In-situ Density Tests - Sand Cone Method (ASTM D 1556)	\$ 85.00	hour
In-situ Density Tests - Drive Cylinder Method (ASTM D 2937)	\$ 65.00	hour
In-situ Density Tests - Drive Sleeve Method (ASTM D 4564) - ASTM withdrawn in 2013	\$ 65.00	hour
Dynamic Cone Penetrometer Testing (ASTM D 6951) – (Field CBR Test)	\$ 125.00	hour
Static Cone Penetrometer Testing	\$ 125.00	hour

### **MONITOR WELL INSTALLATION & TESTING**

Non-Environmental (2-inch diameter)* 0 - 25-ft depth	\$ 30.00	feet
Environmental (2-inch diameter)* 0 - 25-ft depth	\$ 40.00	feet
Locking Well Covers & Pads with well Installation	\$ 250.00	each
Developing wells with compressed air (2-person crew); plus air compressor cost + 10 %	\$ 140.00	hour
Developing shallow wells with pumps (2-person crew); plus pump charge	\$ 140.00	hour
Well sampling *	\$ 140.00	hour
Decontamination - plus rental costs + 10% of rental costs	\$ 450.00	test



## EXHIBIT C

### INSURANCE REQUIREMENTS

CONSULTANT shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the City's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

CONSULTANT is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONSULTANT, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONSULTANT under this Agreement.

Throughout the term of this Agreement, CONSULTANT and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

A. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONSULTANT further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

B. Liability Insurance.

(1) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONSULTANT's negligent acts or omissions in connection with CONSULTANT's performance under this Agreement.

(2) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

**Type of Insurance**

**Limits of Liability**

**GENERAL LIABILITY:**

Minimum 1,000,000 Per Occurrence and \$2,000,000 Per Aggregate

\* Policy to be written on a claims incurred basis

- XX comprehensive form                   bodily injury and property damage
- XX premises - operations               bodily injury and property damage
- \_\_\_ explosion & collapse hazard
- \_\_\_ underground hazard
- XX products/completed operations hazard               bodily injury and property damage combined
- XX contractual insurance               bodily injury and property damage combined
- XX broad form property damage       bodily injury and property damage combined
- XX independent contractors           personal injury
- XX personal injury

\_\_\_ sexual abuse/molestation           Minimum \$1,000,000 Per Occurrence and Aggregate

\_\_\_ liquor legal liability               Minimum \$1,000,000 Per Occurrence and Aggregate

**AUTOMOBILE LIABILITY:**  Minimum \$1,000,000 Per Occurrence and \$2,000,000 Per Aggregate. Bodily injury (each person) bodily injury (each accident), property damage, bodily injury and property damage combined.

XX comprehensive form                Minimum \$10,000/\$20,000/\$10,000  
XX owned (Florida's Minimum Coverage)  
XX hired  
XX non-owned

**REAL & PERSONAL PROPERTY**

\_\_\_ comprehensive form               Agent must show proof they have this coverage.

**EXCESS LIABILITY**

Per Occurrence   Aggregate

\_\_\_ other than umbrella               bodily injury and property damage combined  
\$2,000,000           \$2,000,000

**PROFESSIONAL LIABILITY**

Per Occurrence   Aggregate

XX \* Policy to be written on a claims made basis           \$1,000,000           \$1,000,000

(3) If Professional Liability insurance is required, CONSULTANT agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the

termination or expiration of the Agreement for a period of three (3) years unless terminated sooner by the applicable statute of limitations.

C. Employer's Liability. If required by law, CONSULTANT and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

D. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONSULTANT, the CONSULTANT shall promptly provide the following:

- (1) Certificates of Insurance evidencing the required coverage;
- (2) Names and addresses of companies providing coverage;
- (3) Effective and expiration dates of policies; and
- (4) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

E. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

F. Waiver of Subrogation. CONSULTANT hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONSULTANT shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONSULTANT enter into such an agreement on a pre-loss basis.

## Certificate of Secretary

To Whom It May Concern:

I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

The following is a true copy of a resolution duly adopted by the Board of Directors of the corporation at the Board meeting held on December 17, 2019 and entered in the minutes of such meeting in the minute book of the corporation.

"The Board unanimously approved the contract signing authority of employees as presented."  
(Copies of the employee lists as presented are enclosed.)

The resolution is in conformity with the articles of incorporation and bylaws of the corporation, has never been modified or repealed, and is now in full force and effect.

Dated: December 8, 2020



Richard N. Cook, Secretary

(corporate seal)



Kimley-Horn and Associates, Inc.  
FULL CONTRACT SIGNING AUTHORITY  
December 17, 2019

**ATLANTIC**

**BALTIMORE**

Falk, Katherine W.  
Kraft, Jonathan H.

**HOBOKEN**

Gibson, Adam T.

**NEWPORT NEWS**

Collins, Carroll E.

**NORTHERN VIRGINIA**

Byrd, Michael N.  
Carter, Erica V.  
Elman, Paul D.  
Giffin, Geoffrey D.  
Hall, Lori A.  
Kauppila, John L.  
Lefton, Steven E.  
Martin, Robert J.  
Musson, David B.  
Sauro, Thomas J.  
Stevens, Ross S.  
Whyte, Richard D.

**PHILADELPHIA**

Hughes, Paul W.

**PRINCETON**

Diggan, Tony W.

**RICHMOND**

Brewer, Brian J.  
Harmon, Amanda R.  
Hill, Corey  
Lickliter, Ashley C.  
McPeters, Brian A.  
Musarra, Salvatore J.  
White, Timothy E.

**VIRGINIA BEACH**

Chambers, Jon S.  
Crum, Katie E.  
France, William D.  
Holland, Kimberly R.  
Jucksch, Rebecca R.  
Mackey, William F.  
Marscheider, Edward A.  
Mertig, Karl E.  
Miller Edward W.  
Royal, Jack R.  
Votava Charles F.

**WHITE PLAINS**

Canning, Thomas J.  
Van Hise, Kevin

**CALIFORNIA**

**LOS ANGELES**

Blume, Robert D.  
Fares, Jean B.  
Kerry, Nicole M.  
Kyle, Gregory S

Phaneuf, Alyssa S.

**OAKLAND**

Akwabi, Kwasi  
Dankberg, Adam J.

**ORANGE**

Adrian, Darren J.  
Gillis, Brian R.  
Matson, Jason B.  
Melchor, Jason J.  
Melvin, M. Pearse  
Phillips, Chad E.

**PLEASANTON**

Dean, Felicia C.  
Durrenberger, Randal R.  
Mowery, Michael C.  
Sowers, Brian E.

**SACRAMENTO**

Melvin, Enda  
Pittalwala, Fareed S.  
Weir, Matthew D.

**SAN DIEGO**

Barlow, Matthew T.  
Espelet, Leonardo E.  
Harry, Jennifer L.  
Kaltsas, Joseph D.  
Knapton, Michael J.  
Landaal, Dennis J.  
McCormick, Matthew B.  
McWhorter, Samuel L.  
Podegracz, Anthony J.  
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**SAN JOSE**

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**FLORIDA**

**BOCA-DELRAY**

Spruce, Michael D.  
Webber, Jason A.

**FORT LAUDERDALE**

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Wicks, Amy N.

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Buchler, Aaron E.  
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Bryant, M. Lewis  
Busche, Richard V.

**ORLANDO**

Chau, Hao T.  
Jackson, Jay R.  
Martin, Jonathan A.  
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Thigpen, Jonathan D.  
White, Wayne E.

**SARASOTA**

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Pankonin, James R.  
Schmid, Seth E.

**ST. PETERSBURG**

Dodge, Dawn M.

**TALLAHASSEE**

Barr, Richard R.  
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Wetherell, Ryan S.

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Lee, Nathan Q.

**VERO BEACH**

Cave, Derrick B.  
Dalton, Edward T.  
Good, Brian A.  
Peed, Brooks H.  
Roberson, Kevin M.  
Stephens, Britt L.  
Thomas, Melibe S.

**WEST PALM BEACH**

Atz, John C.  
Barnes, R. Russell  
Heggen, Christopher W.  
Mufleh, Marwan H.  
Rapp, Bryan T.  
Schanen, Kevin M.  
Schwartz, Michael F.  
Sumislaski, James M.  
Walthall, David W.

**MID-WEST**

**CHICAGO**

**DOWNTOWN**

Dvorak, Jr., William E.  
Marnell, Colleen L.  
Morton, Jr., Arthur J.  
West, Craig L.

**CHICAGO**

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Heinen, Andrew N.  
Sjogren, Timothy

**COLUMBUS**

Muller, Justin M.

**INDIANAPOLIS**

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Bishop, Mark C.  
Coyle, Daniel J.  
Danielson, Paul B.  
Henderson, Benjamin J.  
Horn, Jon B.  
Leverett, Christopher C.  
Matzek, William D.  
Williamson, Sarah T.

**MOUNTAIN**

**DENVER**

Colvin, Scott W.  
Krell, Gabriel M.  
Phelps, Randall J.  
Rowe, Curtis D.  
Salvagio, Robin  
Turner, Meaghan M.  
Valentine, Brian W.  
Wilhelm, William R.

**LAS VEGAS**

Ackeret, Kenneth W.  
Colety, Michael D.  
Moles, Richard A.

**MESA**

Grandy, Michael L.  
Margetts, Sterling T.  
Walnum, Nathan C.

**PHOENIX**

Conrad, John R.  
Hermann, Michael J.  
Kimm, Kevin J.  
Kissinger, John C.  
Leistiko, David J.  
Mutti, Brent H.  
Noon, Lisa K.  
Omais, Ahmad A.  
Perillo, Adam C.  
Purtle, Vicki L.  
Schiller, Michael G.

Smalkoski, Brian R.  
Williams, Laura J.

**RENO**

O'Brien, Molly M.

**SALT LAKE CITY**

Johnson, Zachary A.

**TUCSON**

Crowther, Brent C.

**SOUTHEAST**

**ALPHARETTA**

Fanney, Lawson H.  
Hamilton, James R.  
James, Alvin B.  
Walker, John D.  
Webb, Floyd C.

**ATLANTA**

Newton, Gary T.  
Rushing, Michael L.

**ATLANTA MIDTOWN**

Bosman, Eric S.  
Fink, Kenneth L.  
Johnston, Sean P.  
Montanye, Emmeline F.  
Ross, Robert A.  
Stricklin, David L.

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Guy, Jonathan R.  
Hume, Robert M.

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Blakley, Jr., Stephen W.  
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Taylor, Benjamin S.

**COLUMBIA**

Iser, Christopher M.

**DURHAM DOWNTOWN**

Beck, Chadwick W.

**MEMPHIS**

Collins, James F.  
Danley, Drake E.

**NASHVILLE**

Creasman, Brett R.  
Dufour, Zachary J.  
Rhodes, Christopher D.

**RALEIGH**

Adams, Richard C.  
Balltzglier, Lindsey  
Barber, Barry L.  
Cook, Richard N.  
Deans, Neil T.

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McEntee, David L.  
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Nuckols, Charles A.  
Otto, James N.  
Rohrbaugh, Richard R.  
Sutter, Karl V.  
Venters, Samantha

**TEXAS**

AUSTIN

Boecker, Brian C.  
Mason, Sean R.  
Van Leeuwen, Andrew

DALLAS

Hall, James R.  
Harris, Mark E.  
Henigsman, Dean A.  
Hoppers, Kevin P.  
Nathan, Aaron W.  
Smith, Eric Z.  
Swindler, Roderick P.

FORT WORTH

Arnold, Scott R.  
Gary, Glenn A.  
James, Jeffery

FRISCO

Brignon, Brit A.  
McCracken, Paul D.

HOUSTON

Frysinger, Chris V.  
Guillory, Michael B.

LAS COLINAS

Ante, Louis N.  
Tribble, Guy B.

SAN ANTONIO

Farnsworth, Jeffrey A.