

## **TASK ORDER No. 1**

### **CITY PROJECT No. 12243**

#### **FORT LAUDERDALE PUBLIC WORKS DEPARTMENT**

#### **FORT LAUDERDALE EXECUTIVE AIRPORT DESIGN SERVICES FOR THE RELOCATION OF TAXIWAY FOXTROT**

#### **PROFESSIONAL SERVICES**

This Task Order between the City of Fort Lauderdale, a Florida municipal corporation (CITY) and Kimley-Horn and Associates, Inc. (CONSULTANT), a North Carolina corporation authorized to transact business in the State of Florida is pursuant to the Agreement for Consultant Services for Fort Lauderdale Executive Airport Taxiway Foxtrot Relocation project, dated August 22, 2017 ("MASTER AGREEMENT").

#### **PROJECT BACKGROUND**

Taxiway Foxtrot is located along the northern end of Fort Lauderdale Executive Airport (FXE) and serves as a parallel taxiway to Runway 9-27. The eastern half of Taxiway Foxtrot, between Taxiways Sierra and Golf, is located 305 feet north of Runway 9-27. In its existing condition this portion of the taxiway is not compliant with the Federal Aviation Administration (FAA) Advisory Circular (AC) 150/5300-13A Change 1, as Runway 9-27 serves Category D, Group III aircraft, which requires parallel taxiways to have a 400 foot runway separation distance.

This project consists of the relocation of the eastern portion of Taxiway Foxtrot, from its current 305 foot runway separation, north to a 400 foot runway separation. Design will include the demolition of the existing taxiway east of Taxiway Golf, construction of new taxiway, reconstruction of the taxiway intersections, replacement of airfield guidance signs and taxiway edge lights, sodding, and airfield pavement marking.

The project will also delete the existing run-up apron located approximately near the intersection between Taxiway Foxtrot and Taxiway Romeo. This apron will be replaced by the construction of a new run-up apron to be located near the intersections of Taxiways Sierra, S1, and S2.

#### **SPECIFIC SCOPE OF SERVICES**

The project requires professional engineering services for design of the relocation for Taxiway Foxtrot and corresponding connector/intersecting taxiways and a run-up apron. The Scope of Services will consist of preparing design documents consisting of plans, technical specifications, opinions of probable cost, preparation of an engineering report, grading and paving; pavement design; pavement marking; lighting and signage; sodding; surveying; and geotechnical testing. The project will be designed such that construction will be performed in separate phases to accommodate the requirements of airport operations, users, tenants, first responders and protected surfaces.

CONSULTANT, along with their sub-consultants, Hillers Electrical Engineering, Inc. (Airfield Electrical and Signage), Tierra South Florida (Geotechnical), and Keith and Associates, Inc. (Survey) shall develop contract documents to address the required modifications at each of the

specific area described above under a single bid package. Additionally, CONSULTANT shall provide Disadvantaged Business Enterprise (DBE) monitoring services through Dickey Consulting Services, Inc. in support of the CITY's DBE Program. Services shall include the following tasks:

### **Task 1.0-Pre-design Services**

CONSULTANT shall develop a construction phasing plan for the taxiway relocation and run-up area, coordinate with sub-consultants to define necessary pre-design field survey, and geotechnical limits, establish weekly in-house design meetings, establish the project's quality control (QC) program, establish the DBE monitoring program, and establish communications with the parties and agencies known to CONSULTANT that will be involved or affected by the project. Specific tasks shall consist of the following:

1. Meet with the CITY, one (1) time, to fully define project elements, phasing requirements, and project issues.
2. Coordinate and administer early sub-consultant services.
3. Field review project site including electrical system and regulator testing.
4. Review existing plans and as-built data.
5. Define and list design criteria applicable to the project.
6. Define topographic survey limits, and obtain those surveys (see Task 5.0).
7. Define geotechnical limits and requirements, and obtain those services (see Task 5.0).
8. Review subconsultant deliverables and incorporate results into the preliminary design.
9. Develop preliminary horizontal geometry.
10. Develop preliminary phasing plans.
11. Meet with CITY and stakeholders, once, to review phasing options.
12. Based on selected phasing options, prepare an order of magnitude opinion of probable construction cost for the project.

### **Deliverables:**

CONSULTANT shall provide the following deliverables for CITY review and written approval:

- Design criteria list.
- Preliminary horizontal geometry.
- Phasing alternatives.
- Order of magnitude opinion of probable construction cost.
- Agenda and minutes of all meetings.

### **Task 2.0-Conceptual Design (30% Plans)**

CONSULTANT shall develop conceptual documents necessary to achieve 30% design completion for the project, conduct weekly in-house design meetings, and QC review. Drawings will be in AutoCAD Civil 3D based on CITY current CAD standards. The technical specifications, the Engineer's report, and other written documents will be in MS Word and Adobe PDF format.

The design will be in accordance with FAA Regulations and Advisory Circulars, and will conform to FDOT guidelines. The Engineer's report will conform to the FAA format. Specific tasks shall consist of the following:

1. Prepare base mapping for the project.

2. Review field survey data, geotechnical reports, as-built drawings, and other available data.
3. Identify conceptual construction access, maintenance of traffic (MOT), and staging options.
4. Prepare taxiway horizontal pavement geometry.
5. Prepare a preliminary pavement design and typical sections.
6. Prepare a taxiway grading concept.
7. Refine project phasing plan and define construction project limits by phase.
8. Prepare construction drawings to 30% completion.
9. Prepare draft outline technical specifications.
10. Prepare draft outline of the Engineer's Report.
11. Prepare an opinion of probable construction cost based on the 30% Design Documents.
12. Prepare construction schedule.
13. Submit Conceptual Design documents to CITY for review.
14. Conduct one (1) 30% design review and coordination meeting with CITY.
15. Prepare and submit drainage permit to Broward County.

**Deliverables:**

CONSULTANT shall provide the following deliverables for CITY review and written approval:

- Conceptual design drawings.
- Outline of Technical Specifications.
- Outline of Engineer's Report.
- Conceptual construction schedule.
- Conceptual opinion of probable construction cost.
- Agenda and minutes of all meetings.

**Task 3.0-Design Development (60% Plans)**

CONSULTANT, in coordination with their sub-consultants, shall continue designs and contract documents to 60% completion. Work shall consist of construction drawings, technical specifications, QC review, conducting weekly in-house design meetings, and Engineer's report. Specific tasks shall consist of the following:

1. Incorporate comments received from Task 2.0.
2. Prepare Design Development drawings consist of phasing plan details and notes, airfield pavement geometry, typical pavement sections, grading, cross sections, profile, pavement demolition, electrical demolition/lighting/signage/circuitry plans, and pavement markings.
3. Perform preliminary quantity take off.
4. Prepare opinion of probable construction cost.
5. Prepare Engineer's Report.
6. Prepare Technical Specifications.
7. Submit Design Development documents to CITY for review and comment.
8. Conduct one (1) design review meeting with CITY.

**Deliverables:**

CONSULTANT shall provide the following deliverables for CITY review and written approval:

- Design Development Drawings.
- Design Development Engineer's Report.
- Design Development Technical Specifications.
- Design Development opinion of probable construction cost.
- Design Development construction schedule.
- Agenda and minutes of all meetings.

#### **Task 4.0-Contract Document Preparation (100% Final Plans)**

CONSULTANT, in coordination with their sub-consultants, shall complete designs and contract documents, which shall consist of construction drawings, technical specifications, Engineer's report, and QC review. Tasks will consist of the following:

1. Incorporate comments received from Task 3.0.
2. Finalize design drawings to 100% completion.
3. Prepare a final quantity take off and opinion of probable construction cost.
4. Conduct a plan-in-hand field review of the project.
5. Finalize the technical specifications (including electrical specifications).
6. Finalize the Engineer's report.
7. Finalize construction schedule.
8. Provide plans, specifications, construction documents, bid forms, and certifications to the CITY

The anticipated sheets to be included in the construction drawings are as follows:

<b>Construction Set</b>	<b>Description</b>
1	Cover Sheet / Location Plan / Vicinity Map
2	Index of Drawings / General Notes
3	Summary of Quantities
4	Access and Safety Plan, 1"=400'
5	Safety Plan Notes and Details
6-11	Project Phasing and Safety Plans, 1"=200'
12	Phasing Summary
13	Phasing Schedule
14-16	Existing Conditions Plan, 1"=40', single panel
17-18	Typical Sections
19-22	Horizontal Geometry Plan, 1"=40'
23-26	Demolition Plan, 1"=40'
27-30	Grading and Drainage Plan, 1"=40'
31-32	Grading and Paving Details
33-34	Paving Plans with Elevations, 1"=40'
35-36	Taxiway Profiles, 1"=40', double panel
37-40	Pavement Marking Plan, 1"=40'
41-42	Pavement Marking Details
43-48	Cross Sections
49	Boring Logs
50-65	Electrical Drawings, Notes and Details

#### **Deliverables:**

CONSULTANT shall provide the following deliverables for CITY review and written approval:

- Plan set – One (1) copy, 24"x36", signed and sealed.
- Bid Documents (Word and pdf files).
- Engineer's Report – One (1) copy signed and sealed with Word and pdf files.
- Opinion of probable construction cost and construction schedule.
- CD containing CAD files of 100% plans and plot files (24"x36") in pdf in conformance with current CITY CAD standards.

## **Task 5.0-Sub-consultant Services**

### **FIELD SURVEY AND MAPPING**

Keith and Associates, Inc., as a subconsultant, will perform field survey to develop topographic base mapping for the project.

The following services will be provided:

1. Horizontal and vertical locations on all existing surface features within project limits. Surface features will include but not be limited to: paint marking at tie-in points, drainage features, drainage structures, utilities, electrical junction boxes, lights, sign bases, top and bottom of banks. Limits will extend to object free area which is 93' from the centerline of the taxiways. Elevations will be obtained within these limits using a 20-foot grid in North American Vertical Datum of 1988 (NAVD88).
2. Set adequate project horizontal control and references.
3. Set project benchmarks.
4. Locate and obtain surface elevations at soil borings.
5. Confirm horizontal and vertical control prior to construction.

### **Deliverables:**

Sub-consultant shall provide the following deliverables for the CITY's review and written approval:

- Provide electronic CAD/pdf files in accordance with Kimley-Horn and CITY CAD standards and one (1) signed and sealed hard copy of survey.

All surveying services shall conform to the applicable requirements of the Standards of Practice per Rule 5J-17 of the Florida Administrative Code. The drawing will adhere to the City of Fort Lauderdale's CAD standards. Horizontal datum for the project will be North American Datum of 1983 with the National Spatial Reference System adjustment of 2011 applied (NAD83/NSRS2011). Vertical Datum for the project will be NAVD88.

### **GEOTECHNICAL INVESTIGATION & MATERIALS TESTING**

Tierra South Florida, Inc., as a subconsultant, will provide the geotechnical investigation services to confirm the thickness of asphalt to be removed from the existing Taxiway Foxtrot as well as to establish the soil parameters for design of the taxiway's relocation.

The following services will be provided:

#### **Field Investigation**

- Fifteen (15) cores through existing Taxiway Foxtrot pavement to determine pavement thickness.

- Four (4) cores through existing Taxiway Sierra pavement to determine pavement thickness.
- Twenty (20) standard penetration test (SPT) borings to ten feet below existing grade to determine soil profile along the proposed taxiway alignment.
- Two (2) standard penetration test (SPT) borings to ten feet below existing grade to determine soil profile along the proposed run-up apron.
- Visual classification of the soils encountered.
- Depth to ground water and estimated depth to seasonal high ground water.
- Obtain soil samples for laboratory tests.

#### Laboratory Testing

Perform testing on soil samples representing each distinctly different soil type or strata:

1. Four (4) Grain size analysis.
2. Three (3) Atterberg Limits.
3. Four (4) Laboratory California Bearing Ratio.
4. Two (2) Modified Proctor Tests.
5. Two (2) Percolation Tests.
6. Four (4) Moisture-Density relationship.
7. Four (4) Organic content if visual observation is noted.

#### Deliverables:

Sub-consultant shall provide the following deliverables for the CITY's review and written approval:

- Geotechnical Services Report – Two (2) copies signed and sealed with pdf files.

#### DBE MONITORING

CONSULTANT shall, through its sub-consultant Dickey Consulting Services, Inc., provide the services of a DBE Liaison Officer (DBELO) for the design portion of the project. Duties of the DBELO shall include:

1. Provide DBE compliance monitoring and reporting services during the project.
2. Attend pre-bid meeting to advise bidders of DBE requirements.
3. Gather and report statistical data and other information monthly to CITY.
4. Review third party contracts and purchase requisitions for compliance with the program.
5. Advise CITY on DBE matters and achievement monthly.
6. Develop DBE forms for monitoring and compliance reporting to FAA-dbe-Connect.
7. Review documents and perform interviews as required to monitor DBE compliance.
8. Prepare and submit necessary compliance reports to CITY for forwarding to DOT or FAA.

#### Deliverables:

Sub-consultant shall provide the following deliverable for the CITY's review and written approval:

- Prepare and submit necessary compliance reports to CITY for forwarding to FAA.

#### Task 6.0 Bidding Phase Services

CONSULTANT shall assist CITY in advertising and bidding the project. CONSULTANT shall perform the following tasks:

1. Attend and conduct one (1) pre-bid meeting with potential bidders and affected agencies and provide meeting minutes.
2. Respond in writing to bidders questions in the form of written addenda as needed to interpret, clarify, or expand the Bid Documents.

The CONSULTANT shall provide the following deliverables for CITY review and written approval:

- Bid Tabulations.
- Recommendation for Award.

### **PROJECT ASSUMPTIONS**

1. Plans will be prepared on CAD overlays of the survey and will be in conformance with CONSULTANT's AutoCAD Civil 3D 2015 CAD standards and in coordination with CITY current CAD standards. CONSULTANT shall work with CITY to provide modifications to CAD standards to be used.
2. Front-end documents, advertisement, general provisions and related documents will be provided by CITY. CONSULTANT will provide Bid Form, Technical Specifications, and the Engineer's Report in Word format. The design will be in accordance with FAA Regulations and Advisory Circulars, and will conform to FDOT guidelines. Certification of the above will be provided by CONSULTANT.
3. CITY will provide existing plan data and as-built drawings of utilities, fiber optic and previous construction plans as required for the project upon which CONSULTANT may rely. Plans will be in AutoCAD format.
4. Coordination with the FAA to identify the FAA underground facilities will be conducted by CITY.
5. Construction Safety and Phasing Plan will be prepared and submitted to the FAA by CITY staff.
6. Environmental services are excluded from this agreement. Should protected species be found within the limits of work and/or if construction encroaches into required burrow setbacks, Kimley-Horn will perform environmental services as an Additional Service billed at our then hourly rate plus expenses.
7. Storm water permitting is excluded from this agreement.
8. Survey for FAA requirements per FAA Advisory Circular 150/5300 18C, Table 2-1 "for Pavement Design and Construction" are excluded from this agreement.
9. Preparation of and submission of airport GIS documents are excluded from this agreement and will be addressed during the Construction Phase by the contractor.
10. Airspace review and coordination with the FAA is excluded from this agreement and will be addressed by CITY staff.
11. If requested by CITY, CONSULTANT shall provide CITY with a marked-up set of plans and/or specifications showing CONSULTANT's QC review corrections and comments.

### **ADDITIONAL SERVICES**

If authorized in writing by CITY as an amendment to this Task Order, CONSULTANT shall furnish, or obtain, Additional Services of the types listed in Article 8 of the MASTER AGREEMENT. CITY, as indicated in the MASTER AGREEMENT, will pay for these services.

## **PERFORMANCE SCHEDULE**

CONSULTANT shall perform the services identified in Tasks 1 through 5 inclusive within 150 working days of written Notice to Proceed, not inclusive of CITY review time. Services for Task 6 will be dependent on CITY bidding schedule.

## **PROJECT FUNDING**

Performance of this project is at CITY's discretion and may be contingent upon receipt by CITY of funding from Federal Aviation Administration (FAA) and/or the Florida Department of Transportation (FDOT) under the applicable federal grant and/or Joint Participation Agreement (JPA), and the Airport's approved CIP, respectively, and work shall not begin until funding sources for this project are in place.

## **METHOD OF COMPENSATION**

The services performed will be accomplished using the Not-to-Exceed method of compensation. Reimbursable expenses associated with these services are not included in the fees and will be itemized separately, subject to an established Not-to-Exceed limit. The total hourly rates payable by CITY for each of CONSULTANT's employee categories, reimbursable expenses, and sub-consultant fees are shown on Exhibit "A" attached hereto and made a part hereof.

## **TERMS OF COMPENSATION**

Services will be provided for the following Not to Exceed amounts:

Task No.	Task Title	KHA Labor	Subconsultant Labor	Total
1	Pre-Design Services	\$ 34,290.00		\$ 34,290.00
2	Conceptual Design (30%)	\$ 82,555.00		\$ 82,555.00
3	Design Development (60%)	\$ 98,650.00		\$ 98,650.00
4	Contract Documents (100%)	\$ 71,495.00		\$ 71,495.00
5	Consultant Services			
	Dickey Consultant		\$ 5,192.00	\$ 5,192.00
	Tierra South Florida		\$ 12,155.00	\$ 12,155.00
	Keith & Assoc.		\$ 13,680.00	\$ 13,680.00
	Hillers Electrical		\$ 61,915.00	\$ 61,915.00
6	Bidding Services	\$ 9,230.00		\$ 9,230.00
	<b>Sub-Total</b>	<b>\$296,220.00</b>	<b>\$ 92,942.00</b>	<b>\$389,162.00</b>
	Reimbursable Expenses	\$ 840.00	\$ -	\$ 840.00
	<b>Total</b>	<b>\$297,060.00</b>	<b>\$ 92,942.00</b>	<b>\$390,002.00</b>



## **CITY CONTACTS**

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to [AcctsPayable@FortLauderdale.gov](mailto:AcctsPayable@FortLauderdale.gov). All other correspondence and submittals should be directed to the attention of Fernando Blanco, Airport Engineer/Project Manager II, at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

Fernando Blanco  
Airport Engineer/Project Manager II  
City of Fort Lauderdale  
City Hall, 5<sup>th</sup> Floor Engineering  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
Email: [fblanco@fortlauderdale.gov](mailto:fblanco@fortlauderdale.gov)  
Phone: 954-828-6536  
Fax: 954-828-5074

Jill Prizlee, P.E.  
Senior Project Manager  
City of Fort Lauderdale  
City Hall, 4<sup>th</sup> Floor Engineering  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
Email: [jprizlee@fortlauderdale.gov](mailto:jprizlee@fortlauderdale.gov)  
Phone: 954-828-5962  
Fax: 954-828-5074

## **CONSULTANT CONTACTS**

Kimley-Horn and Associates, Inc.  
1920 Wekiva Way, Suite 200  
West Palm Beach, FL 33411  
Tom O'Donnell P.E., Senior Project Manager  
Email: [tom.odonnell@kimley-horn.com](mailto:tom.odonnell@kimley-horn.com)  
Phone: 561-845-0665  
Fax: 561-863-8175

## **CONTRACT PROVISIONS FOR AIP and OBLIGATED SPONSORS**

**Access to Records and Reports** The Consultant must maintain an acceptable cost accounting system. Consultant agrees to provide City, the Federal Aviation Administration, and the Comptroller General of the United States or any of their duly authorized representatives, access to any books, documents, papers, and records of the Consultant which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Consultant agrees to maintain all books, records and reports required under this contract for a period of not less than three years after final payment is made and all pending matters are closed.

**Breach of Contract** Any violation or breach of terms of this contract on the part of the Consultant or its sub-consultants may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement.

The City will provide the Consultant written notice that describes the nature of the breach and corrective actions the Consultant must undertake in order to avoid termination of the contract. The City reserves the right to withhold payments to the Consultant until such time the

Consultant corrects the breach or the City elects to terminate the contract. The City's notice will identify a specific date by which the Consultant must correct the breach. The Consultant may proceed with termination of the contract if the Consultant fails to correct the breach by deadline indicated in the City's notice.

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

**General Civil Rights Provisions** The Consultant agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the Consultant and sub-tier Consultants from the bid solicitation period through the completion of the contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

**Compliance with Nondiscrimination Requirements** During the performance of this contract, the Consultant, for itself, its assignees, and successors in interest (hereinafter referred to as the "Consultant") agrees as follows:

1. **Compliance with Regulations:** The Consultant (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The Consultant, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of sub-consultants, including procurements of materials and leases of equipment. Consultant will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the Consultant for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential sub-consultant or supplier will be notified by the Consultant of the Consultant's obligations under this contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.
4. **Information and Reports:** The Consultant will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the City or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts And Authorities and instructions. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish the information, the Consultant will so certify to the City or the

Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. **Sanctions for Noncompliance:** In the event of a Consultant's noncompliance with the Non-discrimination provisions of this contract, the City will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
  - a. Withholding payments to the Consultant under the contract until the Consultant complies; and/or
  - b. Cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The Consultant will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Consultant will take action with respect to any subcontract or procurement as the City or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Consultant becomes involved in, or is threatened with litigation by a sub-consultant, or supplier because of such direction, the Consultant may request the City to enter into any litigation to protect the interests of the City. In addition, the Consultant may request the United States to enter into the litigation to protect the interests of the United States.

**Title VI List of Pertinent Nondiscrimination Acts and Authorities** During the performance of this contract, the Consultant, for itself, its assignees, and successors in interest (hereinafter referred to as the "Consultant") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and Consultants, whether such programs or activities are Federally funded or not);

- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq.).

**Clean Air and Water Pollution Control.** Consultant agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 U.S.C. § 740-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251-1387). The Consultant agrees to report any violation to the City immediately upon discovery. The City assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Consultant must include this requirement in all subcontracts that exceeds \$150,000.

**Texting When Driving.** In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 "Text Messaging While Driving" (12/30/2009), the FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

In support of this initiative, the City encourages the Consultant to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Consultant must include the substance of this clause in all sub-tier contracts exceeding \$3,500 and involve driving a motor vehicle in performance of work activities associated with the project.

**Energy Conservation Requirements.** Consultant and sub-consultant agree to comply with mandatory standards and policies relating to energy efficiency as contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201 et seq.).

**Equal Opportunity Clause.** During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-contractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a sub-contractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

### **Prohibition Of Segregated Facilities**

- (a) The Consultant agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Consultant agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.
- (b) "Segregated facilities," as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.
- (c) The Consultant shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

**Termination for Convenience.** The City may, by written notice to the Consultant, terminate this contract for its convenience and without cause or default on the part of Consultant. Upon receipt of the notice of termination, except as explicitly directed by the City, the Consultant must immediately discontinue all services affected.

Upon termination of the contract, the Consultant must deliver to the City all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Consultant under this contract, whether complete or partially complete.

City agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

City further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

**Termination for Default.** Either party may terminate this contract for cause if the other party fails to fulfill its obligations that are essential to the completion of the work per the terms and conditions of the contract. The party initiating the termination action must allow the breaching party an opportunity to dispute or cure the breach.

The terminating party must provide the breaching party [7] days advance written notice of its intent to terminate the contract. The notice must specify the nature and extent of the breach, the conditions necessary to cure the breach, and the effective date of the termination action. The rights and remedies in this clause are in addition to any other rights and remedies provided by law or under this contract.

- a) **Termination by City:** The City may terminate this contract in whole or in part, for the failure of the Consultant to:

1. Perform the services within the time specified in this contract or by Owner approved extension;
2. Make adequate progress so as to endanger satisfactory performance of the Project;
3. Fulfill the obligations of the Agreement that are essential to the completion of the Project.

Upon receipt of the notice of termination, the Consultant must immediately discontinue all services affected unless the notice directs otherwise. Upon termination of the Agreement, the Consultant must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Engineer under this contract, whether complete or partially complete.

Owner agrees to make just and equitable compensation to the Consultant for satisfactory work completed up through the date the Consultant receives the termination notice. Compensation will not include anticipated profit on non-performed services.

Owner further agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

If, after finalization of the termination action, the Owner determines the Consultant was not in default of the Agreement, the rights and obligations of the parties shall be the same as if the Owner issued the termination for the convenience of the Owner.

**b) Termination by Consultant:** The Consultant may terminate this Agreement in whole or in part, if the City:

- 1 Defaults in its obligations under this Agreement;
2. Fails to make payment to the Consultant in accordance with the terms of this Agreement;
3. Suspends the Project for more than [180] days due to reasons beyond the control of the Consultant.

Upon receipt of a notice of termination from the Consultant, City agrees to cooperate with Consultant for the purpose of terminating the agreement or portion thereof, by mutual consent. If City and Consultant cannot reach mutual agreement on the termination settlement, the Consultant may, without prejudice to any rights and remedies it may have, proceed with terminating all or parts of this Agreement based upon the City's breach of the contract.

In the event of termination due to City breach, the Consultant is entitled to invoice City and to receive full payment for all services performed or furnished in accordance with this Agreement and all justified reimbursable expenses incurred by the Consultant through the effective date of termination action. City agrees to hold Consultant harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

**Veteran's Preference.** In the employment of labor (excluding executive, administrative, and supervisory positions), the Consultant and all sub-tier consultants must give preference to covered veterans as defined within Title 49 United States Code Section 47112. Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 U.S.C. 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.

**Disadvantaged Business Enterprises.** The requirements of 49 CFR Part 26 apply to this contract. It is the policy of the City of Fort Lauderdale to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. The City encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

**Contract Assurance** - The Consultant or sub-consultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

**Prompt Payment** - The Consultant agrees to pay each sub-consultant under this prime contract for satisfactory performance of its contract no later than 30 days from the receipt of each payment the Consultant receives from the City. The Consultant agrees further to return retainage payments, if any, to each sub-consultant within 30 days after the sub-consultant's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the City. This clause applies to both DBE and non-DBE sub-consultants.

**Occupational Safety and Health Act of 1970.** All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Consultant must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Consultant retains full responsibility to monitor its compliance and their subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (29 CFR Part 1910). Consultant must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

**Federal Fair Labor Standards Act.** All contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR Part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, record keeping, and child labor standards for full and part time workers.

The Consultant has full responsibility to monitor compliance to the referenced statute or regulation. The Consultant must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division.

**Certification Regarding Lobbying.** The Consultant certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:



1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

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

**Debarment and Suspension.** By submitting a bid/proposal under this solicitation, the Consultant certifies that neither it nor its principals are presently debarred or suspended by any Federal department or agency from participation in this transaction.

The Consultant, by administering each lower tier subcontract that exceeds \$25,000 as a "covered transaction", must verify each lower tier participant of a "covered transaction" under the project is not presently debarred or otherwise disqualified from participation in this federally assisted project. The Consultant will accomplish this by:

1. Checking the System for Award Management at website: <http://www.sam.gov>
2. Collecting a certification statement similar to the Certificate Regarding Debarment and Suspension (Bidder or Offeror), above.
3. Inserting a clause or condition in the covered transaction with the lower tier contract.

If the FAA later determines that a lower tier participant failed to disclose to a higher tier participant that it was excluded or disqualified at the time it entered the covered transaction, the FAA may pursue any available remedies, including suspension and debarment of the non-compliant participant.

**Trade Restriction Certification.** By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror –

a. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (U.S.T.R.);

b. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the U.S.T.R; and

c. has not entered into any subcontract for any product to be used on the Federal on the project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to an Offeror or subcontractor:

(1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the U.S.T.R. or

(2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such U.S.T.R. list or

(3) who incorporates in the public works project any product of a foreign country on such U.S.T.R. list;

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in all lower tier subcontracts. The contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by U.S.T.R, unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written below.

CITY

CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida.

\_\_\_\_\_  
LEE R. FELDMAN, City Manager

DATE:\_\_\_\_\_

CONSULTANT

WITNESESS:

KIMLEY-HORN AND ASSOCIATES, INC.,  
A North Carolina Corporation authorized to  
transact business in the State of Florida

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Print Name:

By: \_\_\_\_\_  
Kevin Schanen, P.E.  
Vice President

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Print Name:

ATTEST:

\_\_\_\_\_  
Thomas F. O'Donnell, P.E.  
Assistant Secretary

(CORPORATE SEAL)

STATE OF \_\_\_\_\_:  
COUNTY OF \_\_\_\_\_:

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2018, by Kevin Schanen as Vice President for Kimley-Horn and Associates, Inc., a North Carolina corporation authorized to transact business in the State of Florida.

(SEAL)

\_\_\_\_\_  
Notary Public, State of Florida  
(Signature of Notary Public)

\_\_\_\_\_  
Name of Notary Typed, Printed or Stamped

Personally Known \_\_\_\_ OR Produced Identification\_\_\_\_\_  
Type of Identification Produced \_\_\_\_\_

## EXHIBIT A

EXHIBIT NO. A TO FORM OF CONTRACT		Principal	Senior Prof	Project Manager	Project Engineer	Engineer	Senior Designer	Support Staff	Total Hours	Labor Cost
Kimley-Horn and Associates, Inc.										
		\$245.00	\$210.00	\$205.00	\$170.00	\$125.00	\$130.00	\$70.00		
<b>TASK DESCRIPTION - BASIC ENGINEERING</b>										
<b>Task 1.0 Pre-design Services (One Month)</b>										
1	Meet with the CITY, one time, to fully define project elements, phasing requirements, & project issues	1	3	5		2	2	1	14	\$ 2,480.00
2	Coordinate and Administer Early Sub-consultant Services			5	2	2		1	10	\$ 1,685.00
3	Field Review Project Site			4	1	4	6	1	16	\$ 2,340.00
4	Review existing plans and as-built data			2	1	4	4		11	\$ 1,600.00
5	Define and List Design Criteria Applicable to the Project			5		6		1	12	\$ 1,845.00
6	Define Topographic Survey Limits and Obtain Surveys		1	2	1	2	1	1	8	\$ 1,240.00
7	Define Geotech Requirements and Obtain those investigations		1	2	1	2	1	1	8	\$ 1,240.00
8	Review subconsultant deliverables and incorporate study results into the preliminary design.			2	1	6	6		15	\$ 2,110.00
9	Develop preliminary horizontal layout		2	6	4	16	16	1	45	\$ 6,480.00
10	Develop preliminary phasing plans		1	6	6	16	16	1	46	\$ 6,610.00
11	Meet with CITY and stakeholders to review phasing options ( 2 meetings)			8		8	2	1	19	\$ 2,970.00
12	Prepare an Order of Magnitude Opinion of Probable Construction Cost		2	4	2	8	8	1	25	\$ 3,690.00
		1.0	10.0	51.0	19.0	76.0	62.0	10.0	229.0	\$ 34,290.00
<b>Task 2.0 Conceptual Design (30% Submittal) (One Month)</b>										
1	Prepare Base Mapping for the Project	1	1	10		16	24		52	\$ 7,625.00
2	Review Available Data			5		4	4	2	15	\$ 2,185.00
3	Identify preliminary construction access, maintenance of traffic (MOT), and staging options.			4		2	4		10	\$ 1,590.00
4	Prepare taxiway horizontal pavement geometry		1	9		8	12		30	\$ 4,615.00
5	Prepare a preliminary pavement design & typical sections			5		8	4		17	\$ 2,545.00
6	Prepare a Taxiway Grading Concept		1	16		8	16		41	\$ 6,570.00
7	Refine project phasing plan and define construction project limits by phase.		1	13		8	18		40	\$ 6,215.00
8	Prepare Construction Plans to 30%		8	36	16	40	80		180	\$ 27,180.00
9	Prepare Draft Outline Technical Specifications			2		6		2	10	\$ 1,300.00
10	Prepare Draft Outline of the Engineer's Report			2		6		2	10	\$ 1,300.00
11	Prepare Opinion of Probable Cost			5		16	16		37	\$ 5,105.00
12	Prepare Conceptual Construction Schedule			5		8	2		15	\$ 2,285.00
13	Submit Plans to City for Review			3		2	3	1.5	9.5	\$ 1,360.00
14	Concept Design Meeting with City			6		6	2		14	\$ 2,240.00
15	Prepare and submit drainage permit to Broward County			16		24	32		72	\$ 10,440.00
		1.0	12.0	137.0	16.0	162.0	217.0	7.5	552.5	\$ 82,555.00
<b>Task 3.0 Design Development (60% Submittal) (Two Months)</b>										
1	Develop Construction Plans to 60%	1	12	112	16	152	152	10	455	\$ 67,905.00
2	Perform Quantity Take Off			16	4	18	18		56	\$ 8,550.00
3	Prepare Opinion of Probable Construction Cost		1	8		8		1	18	\$ 2,920.00
4	Prepare Engineering Report		2	16		32	1	1.5	52.5	\$ 7,935.00
5	Prepare Technical Specifications		1	16		32		2	51	\$ 7,630.00
6	Submit Plans and Documents to City for Review			4		2	2	2	10	\$ 1,470.00
7	Design Meeting with City			6		6	2		14	\$ 2,240.00
		1.0	16.0	178.0	20.0	250.0	175.0	16.5	656.5	\$ 98,650.00
<b>Task 4.0 Contract Document Preparation (100% Submittal) (Two Month)</b>										
1	Finalize Design Drawings to 100% Completion	1	10	42	18	80	80	8	239	\$ 34,975.00
2	Prepare Final Quantity Take-off and Opinion of Probable Construction Cost		2	16	2	18	18		56	\$ 8,630.00
3	Conduct a Plan-in-hand field review of the project			8		2	2	2	14	\$ 2,290.00
4	Finalize the Technical Specifications		2	16		40		2	60	\$ 8,840.00
5	Finalize the Engineer's Report		2	12		40	1	3	58	\$ 8,220.00
6	Finalize Construction Schedule			12		16	8	2	38	\$ 5,640.00
7	Provide plans, construction documents, bid forms, and certifications to the CITY			6		6	6	2	20	\$ 2,900.00
		1.0	16.0	112.0	20.0	202.0	115.0	19.0	485.0	\$ 71,495.00
<b>Task 6.0 Bidding Phase Services</b>										
1	Attend Pre-Bid Conference			6		1	1	0.5	8.5	\$ 1,520.00
2	Responses to Bidder's Questions		2	8	8	16	16	3	53	\$ 7,710.00
		0.0	2.0	14.0	8.0	17.0	17.0	3.5	61.5	\$ 9,230.00
		4.0	56.0	492.0	83.0	707.0	586.0	56.5	1,984.5	\$ 296,220.00
<b>DIRECT EXPENSES</b>										
A Postage, Express, Courier										\$420
B. Plots										\$420
<b>TOTAL DIRECT EXPENSES</b>										<b>\$840.00</b>
<b>SUBCONSULTANT EXPENSES</b>										
<b>A. Specialty Subconsultants-Design</b>										
Dickey Consultants Inc.										\$5,192.00
Tierra, Inc										\$12,155.00
Keith and Associates, Inc.										\$13,680.00
Hillers										\$61,915.00
<b>TOTAL SUBCONSULTANT EXPENSES</b>										<b>\$92,942.00</b>
<b>TOTAL EXPENSES</b>										<b>\$93,782.00</b>
<b>TOTAL PROJECT FEE</b>										<b>\$390,002.00</b>

**Dickey Consulting Services, Inc.**

Proposal for Fort Lauderdale Executive Airport (FXE)  
Disadvantaged Business Enterprise (DBE) Monitoring and Reporting  
Services for Taxiway F Relocation Design Phase

Title	Rate	Total Hours	Total
DBE Principal	\$166.00	12	\$1,992.00
DBE Liaison Officer	\$100.00	32	\$3,200.00
			<b>\$5,192.00</b>

City of Fort Lauderdale, Florida								
TAXIWAY "F"-East Design Services								
Task Description	2/15/2018	Hillers Electrical Engineering, Inc. Base Package						
		Project Manager	Prof. Engineer	Proj. Engineer	CADD Technical	Clerical Support	Total B & Alt Hours	Total Base \$
Electrical, Lighting, Signage & Airfield Electrical Vault Design								
Direct Labor Rates		\$135.00	\$125.00	\$115.00	\$70.00	\$60.00		
<b>Design Services</b>								
							0	\$0.00
Design coordination meeting City & KHA Design Team		1	8	8		1	18	\$2,115.00
On-Site Verifications & As Built Reviews			8	8		1	17	\$1,980.00
Electrical Calculations			8			1	9	\$1,060.00
Taxiway Lighting & Airfield Lighting Vault Plans 30, 60, 100%		4	88	130	88	1	311	\$32,710.00
Taxiway Signage Design Plans 30, 60, 100%		4	28	34	20	1	87	\$9,410.00
Signage Schedules		1	12	8	14	1	36	\$3,595.00
Specifications & Bid Items & Cost Estimates		1	36			26	63	\$6,195.00
Engineers Electrical Design Report		1	12			8	21	\$2,115.00
Bid & Award		1	8	8	8	2	27	\$2,735.00
							0	\$0.00
							0	\$0.00
<b>Total</b>		<b>13</b>	<b>208</b>	<b>196</b>	<b>130</b>	<b>42</b>	<b>589</b>	<b>\$61,915.00</b>
<b>Total Labor Costs:</b>		<b>\$1,755.00</b>	<b>\$26,000.00</b>	<b>\$22,540.00</b>	<b>\$9,100.00</b>	<b>\$2,520.00</b>		<b>\$61,915.00</b>

TIERRA SOUTH FLORIDA, INC.							
UNIT RATE FEE SCHEDULE							
		Unit	# of Units		Unit Price		Total
<b>I.</b>	<b>FIELD INVESTIGATION</b>						
	Mobilization of Men and Equipment						
	Truck-Mounted Equipment	LS	1	\$	350.00	\$	350.00
	Support Vehicle	DAY	2	\$	150.00	\$	300.00
	Standard Penetration Test Borings (By Truck-Mounted Equipment)						
	Land: 0 - 50 ft depth	L.F.	220	\$	12.00	\$	2,640.00
	Grout-Seal Boreholes (By Truck-Mounted Equipment)						
	Land: 0 - 50 ft depth	L.F.	220	\$	4.50	\$	990.00
	Pavement Cores, Asphalt	Each	19	\$	100.00	\$	1,900.00
<b>II.</b>	<b>LABORATORY TESTING</b>						
	Natural Moisture Content Tests	Test	5	\$	10.00	\$	50.00
	Grain-Size Analysis - Full Gradation	Test	4	\$	65.00	\$	260.00
	Organic Content Tests	Test	4	\$	35.00	\$	140.00
	Atterberg Limit Tests	Test	3	\$	75.00	\$	225.00
	Laboratory CBR + Sampling	Test	4	\$	300.00	\$	1,200.00
<b>III</b>	<b>ENGINEERING/COORDINATION/MANAGEMENT</b>						
	Project Manager	Hour	4	\$	165.00	\$	660.00
	Principal Engineer	Hour	4	\$	150.00	\$	600.00
	Senior Engineer	Hour	4	\$	125.00	\$	500.00
	Project Engineer	Hour	8	\$	105.00	\$	840.00
	Senior Technician	Hour	16	\$	75.00	\$	1,200.00
	CADD	Hour	4	\$	75.00	\$	300.00
						\$	<b>12,155.00</b>

KEITH & ASSOCIATES PROPOSAL FEES						
Our Project/Proposal Number		07220.M1	Personnel and Hourly Rates			Task Subtotals
Proposal Date		2/13/2018				
Tasks			CADD Technician	Professional Surveyor & Mapper (PSM)	Survey Party (2) Person	
No.	Description		\$80.00	\$120.00	\$95.00	
001	Survey		36	14	96	\$ 13,680.00
002						\$ -
Personnel Hours			36	14	96	\$ 13,680.00
Personnel Cost			\$ 2,880.00	\$ 1,680.00	\$ 9,120.00	
Personnel Subtotal		\$ 13,680.00				
GRAND TOTAL		\$ 13,680.00				



EXHIBIT B

