

DOCUMENT ROUTING FORM

3 ✓ 2/1/13 (L)

NAME OF DOCUMENT: Kimley-Horn and Associates Task Order #25 - \$55,945 - FXE Taxiway Golf Relocation Phase I

Approved Comm. Mtg. on **JANUARY 22, 2013** CAM# 13-0047 ITEM:  M-5

Routing Origin:  CAO  ENG.  COMM. DEV.  OTHER \_\_\_\_\_

Also attached:  copy of CAR  copy of document  ACM Form  3 originals

By: LB forwarded to: MaryAnn Johnston, Public Works Engineering  
Initials

1.) Approved as to Content: [Signature]  
Department Director

Capital Improvements defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, fixtures) that add value and/or extend useful life, inc. major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, real.

Please Check the proper box: CIP FUNDED  YES  NO  
Capital Improvement Projects

2.) Approved as to Funds Available: by [Signature] Date: 1.25.13  
Finance Director *ans*

Amount Required by Contract/Agreement \$ 55,945.00 Funding Source: P11453.468  
Dept./Div. PBS/ENG Index/Sub-object 6534 Project # P11453.468

3.) City Attorney's Office: Approved as to Form:# 3 Originals to City Mgr. By: CARRIE SARVER

Carrie Sarver [Signature]

4.) Approved as to content: Assistant City Manager:

By: \_\_\_\_\_ By: \_\_\_\_\_  
Stanley Hawthorne, Assistant City Manager Susanne Torriente, Assistant City Manager

5.) City Manager: Please sign as indicated and forward 3 originals to Mayor.

6.) City Manager: Please sign as indicated and forward 3 originals to Clerk.

7.) To City Clerk for attestation and City seal.

13 JAN 25 PM 4:19

INSTRUCTIONS TO CLERK'S OFFICE

8.) City Clerk: retains one original document and forwards 2 original documents to FERNANDO BLANCO

Copy of document to \_\_\_\_\_  Original Route form to Linda Blanco, CAO  
 Attach \_\_\_\_\_ certified copies of Reso. # \_\_\_\_\_  Fill-in date 1/30

**TASK ORDER No. 25**

Dated this 22nd day of January, 2013

**CITY PROJECT No. 11453**

**Fort Lauderdale Executive Airport  
Design Revisions for Relocation of Taxiway Golf**

Describing a specific agreement between the City of Fort Lauderdale (CITY) and Kimley-Horn and Associates, Inc. (CONSULTANT or KHA) in accordance with the terms of the agreement for General Engineering Aviation Consultant services dated May 5, 2009 between CITY and CONSULTANT ("MASTER AGREEMENT") and amended and extended to May 4, 2013 by City Commission approval at its meeting on April 17, 2012.

**PROJECT BACKGROUND**

Design on this project commenced in July 2010 and was completed in January 2012. The plans and bid specifications were submitted to the Federal Aviation Administration (FAA) in March 2012. On September 30, 2012, the FAA published a new Advisory Circular 150/5300-13A, Airport Design. This circular is the basis of design standards and requirements for all airports receiving Federal grant funding. This change in design criteria requires the re-design of the taxiway in order to remain in compliance with the new FAA criteria.

**SPECIFIC SCOPE OF SERVICES**

This Task Order will cover the additional services to revise the plans for the Relocation of Taxiway Golf to meet the new taxiway geometry requirements. Review submittals will be made at 30%, and 100% plans. The engineer's report, final quantities, construction cost estimate and bid documents will also be updated. Services shall include the following tasks:

**Task 1.0 Conceptual Design (30% Plans)**

This task consists of preliminary plan development necessary to achieve compliance with the new design standards. Drawings will be in Civil 3D based on CITY's current CAD standards. Tasks shall consist of the following:

1. Attend Issues Definition and Project Kickoff/Pre-Design meeting with City
2. Coordinate with sub-consultants
3. Develop preliminary geometric plan for changes due to AC
4. Revise base mapping
5. Revise typical sections
6. Develop preliminary grading plan for geometric changes
7. Prepare preliminary opinion of probable construction cost
8. Perform quality assurance reviews
9. Submit to City for review
10. Conceptual Design Meeting with City
11. Subconsultant coordination
12. Conduct design team meetings

Deliverables:

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

Construction drawings at approximately 30% completion -in pdf format

### **Task 2.0 Contract Document Preparation (100% Plans)**

During this task, CONSULTANT will complete designs and contract documents that consist of construction drawings, technical specifications, and engineering report. Drawings will be in Civil 3D based on CITY's current CAD standards. Technical specifications, the engineering report, and other written documents will be in Word format. Designs will be in accordance with current FAA Regulations and Advisory Circulars, and will conform to FDOT guidelines. The engineering report will conform to the FAA format. Tasks shall consist of the following:

1. Finalize Grading Design and Sections
2. Develop pavement cross sections
3. Prepare Taxiway Golf profiles
4. Finalize pavement geometry and prepare horizontal control plan
5. Prepare Construction Phasing Plan
6. Prepare Pavement Marking Plan
7. Revise all sheets impacted by geometric changes
8. Coordinate impact of geometric changes with Customs Facility plans
9. Revise Engineers Report
10. Revise technical specifications
11. Perform final quantity take off
12. Revise Bid Form
13. Prepare Final Opinion of Probable Construction Cost
14. Design Team Meetings
15. Perform Quality Control Review
16. Submit to City for review
17. Final plan review meeting with City
18. Subconsultant coordination

Deliverables:

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

Deliverables for this task will consist of the following:

- Final (100%) completion
  - Plan set (24" x 36") – one set signed and sealed
  - Plan set (electronic, including plot files in pdf format)
  - Bid Documents (electronic) – One set
  - Bid Form
  - Engineering Report – one copy signed and sealed
  - Opinion of Probable Construction Cost – two copies

- CD containing CAD files of 100% plans to verify conformance with current CITY CAD standards

### **Task 3.0 Special Services (100% Plans)**

Hillers Electrical Engineering, Inc. (HEE) shall provide electrical design services for the re-design of the Taxiway Golf Relocation project. Tasks shall consist of the following:

1. Revise airfield lighting plans for new geometry
2. Revise technical specifications
3. Update bid tabulation and provide input into Preliminary Opinion of Probable Construction Cost

### **ADDITIONAL SERVICES**

If authorized in writing by the CITY as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain from others, Additional Services of the types listed in Article 8 of the Master Agreement. The CITY, as indicated in Article 7 of the Master Agreement, will pay for these services.

### **PERFORMANCE SCHEDULE**

The CONSULTANT shall perform the services identified in Tasks 1 through 3 inclusive within four (4) months of written Notice to Proceed.

### **PROJECT FUNDING**

Performance of this project is at the CITY's discretion and may be contingent upon the CITY receiving funding from the Airport's Capital Improvement Program, Federal Aviation Administration (FAA), the Florida Department of Transportation (FDOT) under the applicable federal grant and/or Joint Participation Agreement (JPA), 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 the 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:

<u>Description</u>	<u>Labor</u>	<u>Subconsultants</u>	<u>Total</u>
Tasks 1	\$14,150.00	\$ 0.00	\$14,150.00
Task 2	\$39,380.00	\$ 0.00	\$39,380.00
Task 3	\$ 0.00	\$ 2,165.00	\$ 2,165.00


Reimbursable Expenditures (Not to Exceed) \$ 250.00

**Total \$55,945.00**

**CLOSURE**

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

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

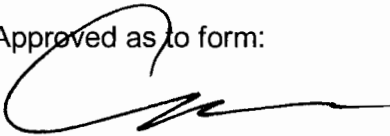
By  For  
\_\_\_\_\_  
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

  
\_\_\_\_\_  
JONDA K. JOSEPH, City Clerk

Approved as to form:

  
\_\_\_\_\_  
CARRIE L. SARVER  
Assistant City Attorney

**CONSULTANT**

WITNESSES:

[Signature]

SHARDA DUNNE  
Print Name

[Signature]

LARRY FLOWERS  
Print Name.



STATE OF FLORIDA:  
COUNTY OF PALM BEACH:

David R. Bardt and Kevin Schanen as Sr. Vice President and Vice President respectively, of Kimley-Horn and Associates, Inc, acknowledged the foregoing instrument before me this 10th day of January, 2013, on behalf of the corporation. They are personally known to me and did not take an oath.



KIMLEY-HORN AND ASSOCIATES, INC.

By: [Signature]

Name: David R. Bardt, P.E.

Title: Sr. Vice President

ATTEST:

By: [Signature]

Name: Kevin Schanen, P.E.

Title: Vice President

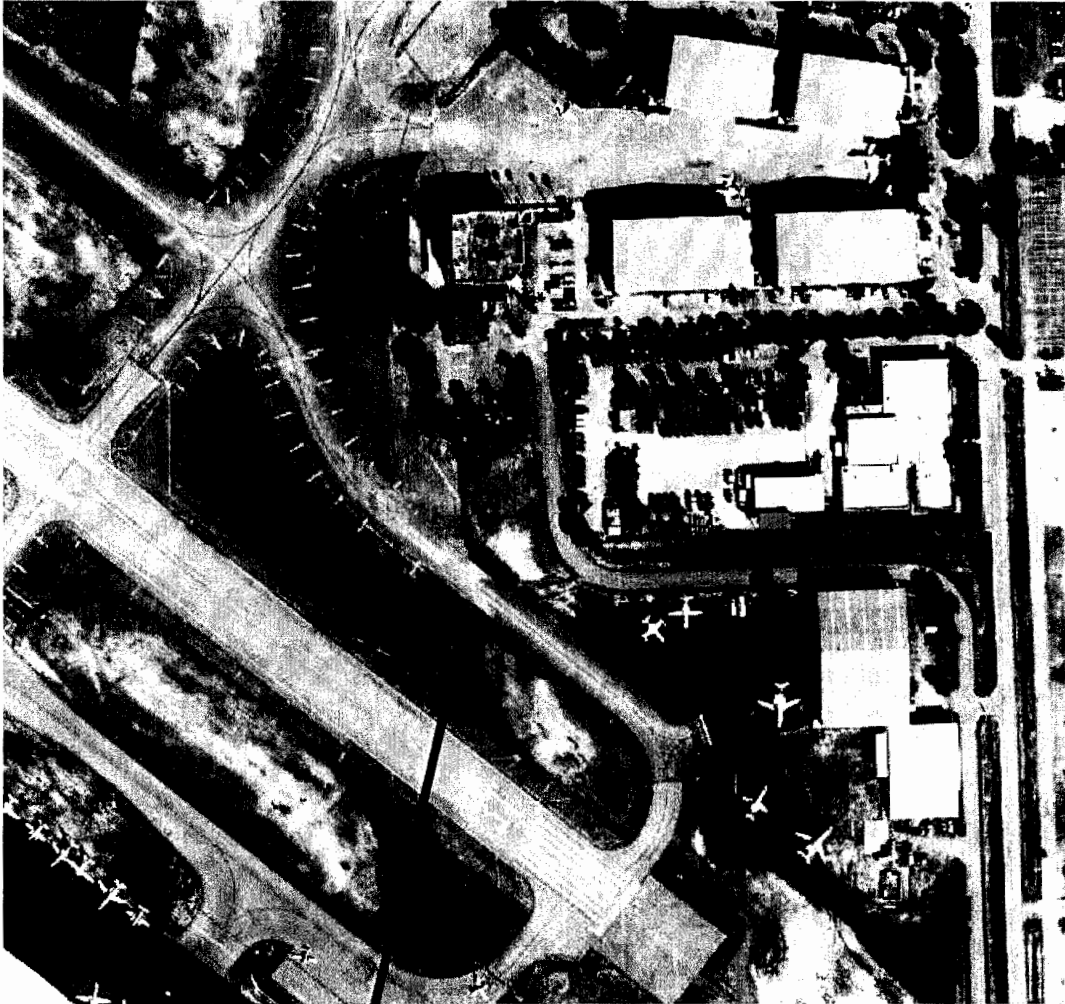
[Signature]  
Notary Public, State of Florida  
(Signature of Notary taking Acknowledgement)

Lisa M Hill  
Name of Notary Typed, Printed or Stamped

5/18/2015  
My Commission Expires

EE 056105  
Commission No.

EXHIBIT 1



Project Location  
Taxiway Golf



EXHIBIT "A"  
**MAN-HOUR ESTIMATE FOR**  
**Taxiway Golf Revisions for Changes to AC 150/5300-13 A**  
**City Project No. 11453**

EXHIBIT NO. A TO FORM OF CONTRACT	Principal	Project Manager	Prof. Engineer	Engineer Analyst	CADD Tech	Clerical/ Admin.	Total Hours	Labor Cost
<b>Kimley-Horn and Associates, Inc.</b>								
	\$225.00	\$225.00	\$125.00	\$110.00	\$95.00	\$65.00		
<b>TASK DESCRIPTION - BASIC ENGINEERING</b>								
<b>Task 1 - Conceptual Design (30% Plans) (One Month)</b>								
1 Attend and Participate in an Issues and Project Kick-off/Pre-Design Meeting		4	4				8	\$ 1,400.00
2 Coordinate and Administer Early Subconsultant Services		2					2	\$ 450.00
3 Develop Preliminary Geometric Plan for changes due to AC		2		6	12		20	\$ 2,250.00
4 Revise Base Mapping				6	10		16	\$ 1,610.00
5 Revise Typical Sections			2		8		10	\$ 1,010.00
6 Develop Preliminary Grading plan for geometric changes			2	8	12		22	\$ 2,270.00
7 Prepare Preliminary Opinion of Probable Construction Costs		1		6	4		11	\$ 1,265.00
8 Perform Quality Assurance Reviews	2	1					3	\$ 675.00
9 Submit to City for Review			1		8	2	11	\$ 1,015.00
10 Conceptual Design Meeting with City		2				1	3	\$ 515.00
11 Sub-Consultant Coordination	2					2	4	\$ 580.00
12 Conduct Design Team Meetings - 2(Weekly)		2	2	2	2		8	\$ 1,110.00
<b>Subtotal</b>	<b>4</b>	<b>14</b>	<b>11</b>	<b>28</b>	<b>56</b>	<b>5</b>	<b>118</b>	<b>\$ 14,150.00</b>
<b>Task 2 - Contract Document Preparation (100% Plans)(3 months)</b>								
1 Finalize grading design and sections			4	8	16		28	\$ 2,900.00
2 Develop Pavement Cross Sections ( 8 sheets)			2	8	16		26	\$ 2,650.00
3 Prepare Taxiway Golf Profiles			2	4	8		14	\$ 1,450.00
4 Finalize pavement geometry and prepare horizontal control plan		4	6	6	16		32	\$ 3,830.00
5 Prepare Construction phasing plan (6 sheets)		2	6	6	12	2	28	\$ 3,130.00
6 Prepare Pavement Marking Plan			2	4	10		16	\$ 1,640.00
7 Revise all sheets impacted by geometric changes				10	20		30	\$ 3,000.00
8 Coordinate impact of geometric changes with Customs Facility Plans		2		10	28		40	\$ 4,210.00
9 Revise Engineer's Report			2			1		
10 Revise Technical Specifications			2	2			4	\$ 470.00
11 Perform Final Quantity Take Off			4	4			8	\$ 940.00
12 Revise Bid Form			2	4		1	7	\$ 755.00
13 Prepare Final Opinion of Probable Construction Cost		2	4	4		2	12	\$ 1,520.00
14 Design Team Meetings		12	12	12	12		48	\$ 6,660.00
15 Perform Quality Control Review	4	4	2	2	2	1	15	\$ 2,525.00
16 Submit To City for Review			2		8	2	12	\$ 1,140.00
17 Final plan review meeting		4	4				8	\$ 1,400.00
18 Sub-Consultant Coordination	4					4	8	\$ 1,160.00
<b>Subtotal</b>	<b>8</b>	<b>30</b>	<b>56</b>	<b>84</b>	<b>148</b>	<b>13</b>	<b>336</b>	<b>\$ 39,380.00</b>

EXHIBIT "A"  
**MAN-HOUR ESTIMATE FOR**  
**Taxiway Golf Revisions for Changes to AC 150/5300-13 A**  
**City Project No. 11453**

EXHIBIT NO. A TO FORM OF CONTRACT	Principal	Project Manager	Prof. Engineer	Engineer Analyst	CADD Tech	Clerical/ Admin.	Total Hours	Labor Cost
Kimley-Horn and Associates, Inc.								
	\$225.00	\$225.00	\$125.00	\$110.00	\$95.00	\$65.00		
<b>TASK DESCRIPTION - BASIC ENGINEERING</b>								
<b>Task 3 Special Services (100% Plans) - Hillers Electrical Engineering</b>								
1 Revise Airfield Lighting							0	
2 Revise Technical Specifications							0	\$ -
3 Update bid tab and Preliminary Opinion of Probable Construction Cost							0	\$ -
<b>Subtotal</b>	0	0	0	0	0	0	0	\$ -
<b>Raw Labor Subtotal</b>	12	44	67	112	204	18	454	\$ 53,530.00
<b>DIRECT EXPENSES</b>								
A Postage, Express, Courier								\$100
B. CADD Computer Reimbursement								\$0
C. Plots								\$0
D. Prints-Plan Sheets								\$75
E. Printing-Reports and Specifications								\$75
<b>TOTAL DIRECT EXPENSES</b>								<b>\$250</b>
<b>SUBCONSULTANT EXPENSES</b>								
A. Specialty Subconsultants-Design (Task 3)								
Hillers Electrical Engineering, Inc.								\$2,165.00
<b>TOTAL SUBCONSULTANT EXPENSES</b>								<b>\$2,165</b>
<b>TOTAL EXPENSES</b>								<b>\$2,415</b>
<b>TOTAL PROJECT FEE</b>								<b>\$55,945</b>

# FT. LAUDERDALE EXECUTIVE AIRPORT

City of Fort Lauderdale, Florida

## Modify TAXIWAY "G" Design Services

Task 3 Description	Hillers Electrical Engineering, Inc. Base Package							
	8/15/2012	Project Manager	Prof. Engineer	Proj. Engineer	CADD	Clerical Support	Total Hours	Total Base \$\$
Direct Labor Rates		\$115.00	\$110.00	\$95.00	\$80.00	\$45.00		
<b>Construction Phase Services</b>								
							0	\$0.00
Design coordination meeting City, FAA, KH Design Team	1	1				1	3	\$270.00
Electrical Calculations			1				1	\$110.00
Taxiway Lighting Plans 100%	1	2	4	4		1	12	\$1,080.00
Specifications & Bid Items & Cost Estimates	1	2	2			4	9	\$705.00
<b>Total</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>6</b>		<b>25</b>	<b>\$2,165.00</b>
<b>Total Labor Costs:</b>		\$345.00	\$660.00	\$570.00	\$320.00	\$270.00		\$2,165.00

Prepared By: Hillers Electrical Engineering, Inc. 8-15-12