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DOCUMENT ROUTING FORM

NAME OF DOCUMENT: **Amendment 1 to Task Order 21 with Kimley-Horn and Associates, Inc. for Taxiway Echo Pavement Rehab at FXE - \$32,177.50**

Approved Comm. Mtg. on **APRIL 16, 2013** CAM# **13-0420** ITEM: **M-8**

Routing Origin: CAO ENG. COMM. DEV. OTHER _____

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

On 4/17/13, LB forwarded to: **MARYANN JOHNSTON, PUBLIC WORKS ENGINEERING**

1.) Approved as to Content: *Stanley Amond*
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 *Douglas Wood* Date: 4.22.13
Finance Director

Amount Required by Contract/Agreement \$ 32,177.50 Funding Source: P11750.468

Dept./Div. PBS/ENG Index/Sub-object 6534 Project # P11750

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

Carrie Sarver *CS*

RECEIVED
FI LAUDERDALE
CITY ATTORNEY'S OFFICE
2013 APR 23 AM 9:19

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.) Mayor: Please sign as indicated and forward 3 originals to Clerk.

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

INSTRUCTIONS TO CLERK'S OFFICE

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

Copy of document to _____ Original Route form to Linda Blanco, CAO
 Attach _____ certified copies of Reso. # _____ Fill-in date

4/25

AMENDMENT No. 1 to TASK ORDER No. 21

Dated this 16th day of April, 2013

CITY PROJECT No. 11750

**FORT LAUDERDALE EXECUTIVE AIRPORT
DESIGN SERVICES FOR PAVEMENT REHABILITATION OF TAXIWAY ECHO**

PROFESSIONAL SERVICES

Describing a specific Amendment No. 1 to Task Order 21, dated September 18, 2012 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 14, 2013 by City Commission approval at its meeting on April 17, 2012.

PROJECT BACKGROUND

Task Order 21 was approved by the City Commission on September 18, 2012 in the amount of \$335,804.50, and provided for the design of the pavement rehabilitation of Taxiway Echo and its corresponding connectors (See Exhibit 1) in accordance with Federal Aviation Administration (FAA) Advisory Circular AC 150/5300-13 "Airport Design". However, the FAA issued a new AC 150/5300-13A "Airport Design" on September 28, 2012 which canceled the previous version of the Advisory Circular. The revised "Airport Design" Advisory Circular includes the FAA's new standards and recommendations for the geometrical layout and engineering design of civil airport facilities, including taxiways. Use of this AC is required for all projects funded with federal grant monies through the Airport Improvement Program (AIP).

A preliminary review of the new Airport Design AC indicates that each of the intersections of Taxiway Echo and its associated taxiway connectors will require geometric changes to remain in compliance with the new FAA design criteria.

The original Task Order 21 did not include electrical engineering services. The revised geometry will require changes to the taxiway edge light locations. This Amendment No. 1 adds these services to Task Order 21 and modifies the Disadvantaged Business Enterprise (DBE) monitoring services to better meet the project requirements.

SPECIFIC SCOPE OF SERVICES

This Amendment No.1 to Task Order 21 is for the additional services required to design the Taxiway Echo intersections in accordance with the new "Airport Design" Advisory Circular and the engineering services required to complete design of taxiway edge lighting modifications for the project.

The CONSULTANT is responsible for all work of their sub consultants to meet the deliverables included on this task order.

The electrical design shall be done concurrently with the 60% design plans.

CONSULTANT shall provide all engineering services described on the tasks herein below conforming to the tasks in Task Order 21:

Task No. 2 – Geometrical Design (30% Design Phase)

CONSULTANT shall design the taxiway geometry in accordance with the new FAA design standards. Drawings will be in Civil 3D based on the CITY's current CAD standards. Specific tasks shall consist of the following:

1. Coordination with our surveying sub-consultant (Keith and Associates, Inc.).
2. Develop preliminary geometrical plan based on the new Advisory Circular.
3. Perform quality control review.
4. Submit to CITY for review with 30% Plans.

This task is estimated at 39 hours and Not-to-Exceed \$4,595.00.

Deliverables:

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

- Preliminary geometrical plan at 30% completion.

Task No. 3 – Electrical Design (60%, 90%, 100%)

This task consists of design of taxiway edge lights and signage to modify the existing system to meet the new taxiway geometry. Drawings will be based on CITY's current CAD standards. Technical specifications, the engineering report, and other written documents will be in Word. Designs will be in accordance with FAA Regulations and Advisory Circulars, and will conform to FDOT guidelines. The engineering report will conform to the FAA format. CONSULTANT shall, through the services of its sub-consultant, Hillers Electrical Engineering, Inc., provide the following services:

- Participation in design phase coordination meetings.
- Review of as-built drawings and field verification and assessment of existing conditions.
- Preparation of electrical calculations and regulator load testing.
- Preparation of plans including airfield lighting electrical plans reflecting all cable & conduit systems, edge lighting installations, signage, duct bank systems and installation details for all electrical & lighting & signage equipment installations.
- Preparation of airfield signage layout and signage schedule.
- Preparation of electrical section of the Engineers Report.
- Preparation of FAA specifications for all electrical components.
- Preparation of electrical quantity take off, bid form and preliminary Opinion of Probable Construction cost.
- Review submittals at 60%, 90% and 100%.
- Task to run concurrent with tasks 3, 4 & 5 of original Task Order 21.

This task is estimated at 14 hours and Not-to-Exceed \$2,830.00 for CONSULTANT and 351 hours and Not-to-Exceed \$31,835.00 for sub-consultant (Task 8).

Deliverables

Hillers Electrical Engineering, Inc., through the CONSULTANT, shall provide the following for CITY review and written approval:

- Electrical Plans and Details @ 60%, 90%, and 100% (electronic copy, including pdf files).
- Electrical Specifications – one set @ 60%, 90%, and 100% (electronic copy, including pdf files).
- Electrical Section of Engineer's Report.
- Quantity Take Off and Preliminary Opinion of Probable Construction Cost.
- Plan Set (24"x36") – one copy, signed and sealed.

Task No. 7 – Bidding Phase Services - Electrical

This task consists of providing support during bid phase. Sub-Consultant shall:

1. Attend (1) pre-bid meeting with potential bidders and affected agencies.
2. Respond in writing to bidders questions.

This task is estimated at 29 Hours and Not-to-Exceed \$2,575.00.

Task No. 8 – Special Services – Survey

Keith and Associates, Inc.

Keith and Associates will expand the limits of the field survey to be performed to include coverage of areas anticipated to be required by geometric changes due to changes in AC 150/5300-13A.

This task is estimated at 35 hours and Not-to-Exceed \$2,785.00.

Task No. 8 – Special Services – DBE Monitoring

Dickey Consulting Services, Inc.

The DBE Monitoring scope and fee in the original Task Order 21 is replaced with the following:

Provide professional DBE Liaison Officer (DBELO) services for the FXE Taxiway Echo Pavement Rehabilitation Project during the six-month design phase.

1. Provide DBE compliance monitoring and reporting services during the design phase of the project.
2. Attend pre-bid meeting.
3. Review third party contracts and purchase requisitions for compliance with the program.
4. Gather and report statistical data and other information as required.
5. Perform interviews as required to monitor DBE compliance.
6. Advise the CITY on DBE matters and achievement.
7. Develop DBE forms for monitoring and compliance reporting to DOT DBE Office Online Reporting System (DOORS).
8. Review documents to monitor DBE compliance.
9. Prepare and submit necessary compliance reports to the CITY for forwarding to DOT or FAA

This task is estimated at 56 hours and Not-to-Exceed \$6,360.00. This is a net reduction of \$12,442.50.

PROJECT ASSUMPTIONS

Specific assumptions for the project are as outlined in the original Task Order 21.

CITY'S RESPONSIBILITIES

As outlined in the original Task Order 21.

ADDITIONAL SERVICES

If authorized in writing by the CITY as a second amendment to Task Order 21, 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 the Master Agreement, will pay for these services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified concurrent with the original Task Order 21.

PROJECT FUNDING

Performance of this project is at the CITY'S discretion and may be contingent upon receipt by the CITY of funding from the Airport's Capital Improvement Program, Federal Aviation Administration (FAA) and/or 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 shall be provided for the following Not-to-Exceed amounts:

Task No	Task Title	Labor Fees		Total
		Original Fees	Amendment 01	
1	Pre-Design Services	\$ 26,160.00		\$ 26,160.00
2	30% Conceptual Design	\$ 73,585.00	\$ 4,595.00	\$ 78,180.00
3	60% Preliminary Design	\$ 90,920.00	\$ 2,830.00	\$ 93,750.00
4	90% Design Develop	\$ 43,205.00		\$ 43,205.00
5	100% Contract Doc Prep	\$ 21,650.00		\$ 21,650.00
6	CAD review	\$ 5,530.00		\$ 5,530.00
7	Bidding Services	\$ 4,575.00	\$ 2,575.00	\$ 7,150.00
		\$ 265,625.00	\$10,000.00	\$275,625.00
Task No	Description	Labor Fees		Total
		Original Fees	Amendment 01	
8	Special Services			
	Surveying	\$ 18,782.00	\$ 2,785.00	\$ 21,567.00
	Geo. Testing	\$ 26,445.00		\$ 26,445.00
	DBE	\$ 18,802.50	\$(12,442.50)	\$ 6,360.00
	Electrical		\$ 31,835.00	\$ 31,835.00
		\$ 64,029.50	\$ 22,177.50	\$ 86,207.00
Description		Other Costs	Total	
	Reimbursables	\$ 6,150.00		\$ 6,150.00
Total		\$335,804.50	\$32,177.50	\$367,982.00

DBE Monitoring Services costs negotiated at rate for construction services on the original task order. The new rate is adjusted for providing services during the design phase resulting in a credit of \$12,444.50. There are no duplication of costs for the above additional services.

The total number of hours for the project is 53 for CONSULTANT and 471 for Sub consultants.

Note: Services under Task Order 21, including Amendment No. 1, total \$367,982.00.

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov. All other correspondence and submittals should be directed to the attention of **Fernando Blanco** at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

City of Fort Lauderdale
City Hall, 4th Floor – Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301

CONSULTANT CONTACTS

Kimley-Horn and Associates, Inc.
1920 Wekiva Way,
West Palm Beach, FL 33411
Name: David R. Bardt, P.E.
Email: dave.bardt@kimley-horn.com
Phone: 561-840-0851
Fax: 561-863-8173

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CLOSURE

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

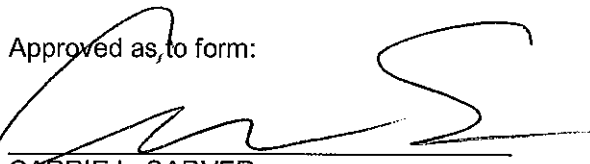
CITY OF FORT LAUDERDALE, a municipal corporation
of the State of Florida:

By 
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:


JONDA K. JOSEPH,
City Clerk

Approved as to form:

CARRIE L. SARVER
Assistant City Attorney

CONSULTANT

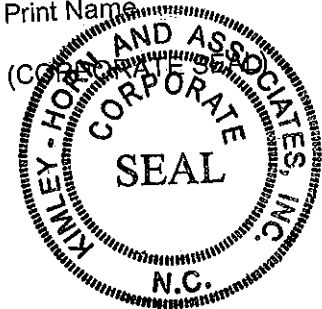
WITNESSES:

Sharda Dunne
Signature

SHARDA DUNNE
Print Name

Jason Lee

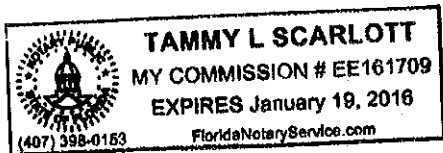
Jason Lee
Print Name



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 25 day of February, 2013, on behalf of the corporation. They are personally known to me and did not take an oath.

(SEAL)



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: Assistant Secretary/Vice President

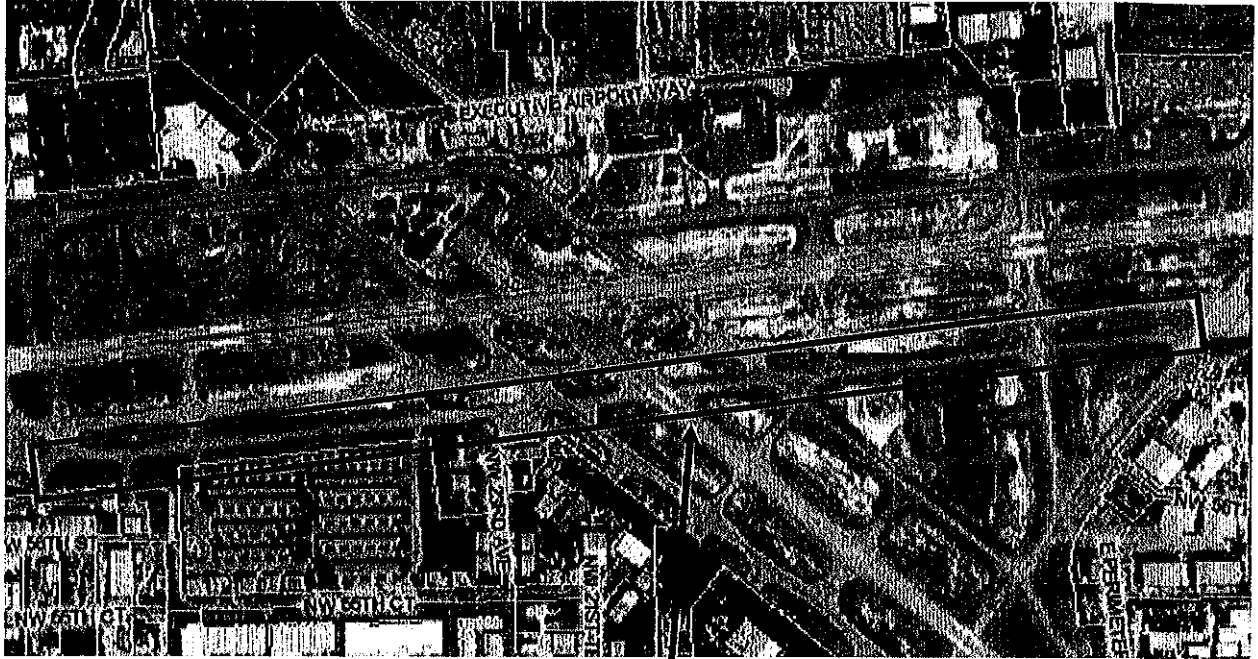
Tammy L. Scarlott
Notary Public, State of Florida
(Signature of Notary taking Acknowledgement)

Name of Notary Typed, Printed or Stamped

January 19, 2016
My Commission Expires

EE161709
Commission No.

EXHIBIT 1



Project Location



EXHIBIT A

FEE SCHEDULE, REIMBURSABLES AND OTHER COSTS

EXHIBIT "A"
MAN-HOUR ESTIMATE FOR
Additional Services for Taxiway Echo Design for Survey, Electrical, and DBE Monitoring
City Project No. 11750
Task Order 21 - Amendment 1

1/8/2013

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.								
	6%	45%	5%	18%	23%	3%		
	\$225.00	\$225.00	\$125.00	\$110.00	\$95.00	\$65.00		
TASK DESCRIPTION - BASIC ENGINEERING								
Task 2 - Geometrical Design (30% Design Phase)								
1 Coordination with Sub-Consultants		2	1	2	1	1	7	\$ 955.00
2 Develop Preliminary Geometrical Plan Based on the New AC		1	2	8	15		26	\$ 2,780.00
3 Perform Quality Control Review	2						2	\$ 450.00
4 Submit to City for Review with 30% Plans				2	2		4	\$ 410.00
								\$ -
Subtotal	2	3	3	12	18	1	39	\$ 4,595.00
Task 3 - Electrical Design								
1 Coordination with Sub-Consultants		12				2	14	\$ 2,830.00
Subtotal		12	0	0	0	2	14	\$ 2,830.00
Raw Labor Subtotal	2	15	3	12	18	3	53	\$ 7,425.00
	\$450.00	\$3,375.00	\$375.00	\$1,320.00	\$1,710.00	\$195.00		
REIMBURSABLE/DIRECT EXPENSES								
A Postage, Express, Courier								\$0
B. Plots								\$0
C. Prints-Plan Sheets								\$0
D. Printing-Reports and Specifications								\$0
TOTAL DIRECT EXPENSES								\$0
SUBCONSULTANT EXPENSES								
A. Specialty Subconsultants-Design								
Keith and Associates								\$ 2,785.00
Hillers Electrical Engineering, Inc.								\$ 34,410.00
Dickey Consulting Services								\$ (12,442.50)
TOTAL SUBCONSULTANT EXPENSES								\$ 24,752.50
TOTAL EXPENSES								\$ 24,752.50
TOTAL PROJECT FEE								\$ 32,177.50

EXHIBIT "A"
MAN-HOUR ESTIMATE FOR
Additional Services for Taxiway Echo Design for Survey, Electrical, and DBE Monitoring
City Project No. 11750
Task Order 21 - Amendment 1

1/8/2013

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.	6%	45%	5%	18%	23%	3%		
	\$225.00	\$225.00	\$125.00	\$110.00	\$95.00	\$65.00		
TASK DESCRIPTION - BASIC ENGINEERING								
Task 2 - Geometrical Design (30% Design Phase)								
1 Coordination with Sub-Consultants		2	1	2	1	1	7	\$ 955.00
2 Develop Preliminary Geometrical Plan Based on the New AC		1	2	8	15		26	\$ 2,780.00
3 Perform Quality Control Review	2						2	\$ 450.00
4 Submit to City for Review with 30% Plans				2	2		4	\$ 410.00
Subtotal	2	3	3	12	18	1	39	\$ 4,595.00
Task 3 - Electrical Design								
1 Coordination with Sub-Consultants		12					14	\$ 2,830.00
Subtotal		12	0	0	0	2	14	\$ 2,830.00
Raw Labor Subtotal	2	15	3	12	18	3	53	\$ 7,425.00
	\$450.00	\$3,375.00	\$375.00	\$1,320.00	\$1,710.00	\$195.00		
REIMBURSABLE/DIRECT EXPENSES								
A Postage, Express, Courier								\$0
B. Plots								\$0
C. Prints-Plan Sheets								\$0
D. Printing-Reports and Specifications								\$0
TOTAL DIRECT EXPENSES								\$0
SUBCONSULTANT EXPENSES								
A. Specialty Subconsultants-Design								\$ 2,785.00
Keith and Associates								\$ 34,410.00
Hillers Electrical Engineering, Inc.								\$ (12,442.50)
Dickey Consulting Services								\$ 24,752.50
TOTAL SUBCONSULTANT EXPENSES								\$ 24,752.50
TOTAL EXPENSES								\$ 24,752.50
TOTAL PROJECT FEE								\$ 32,177.50

PROJECT/TASK BUDGET HOURS WORKSHEET-KEITH AND ASSOCIATES, INC.

CLIENT NAME: Kimley Horn PROPOSAL # 07202.03

PROJECT NAME: FXE-Taxiway Echo Additional PROJECT # 11750

PROJECT MANAGER: _____

PROJECT START DATE: _____ PROJECT END DATE: _____

TASK START DATE: _____ TASK END DATE: _____

TASK COMPENSATION \$ AMOUNT (LS/T&M/NTE) _____

TASK DESCRIPTION: Topographic Survey
(Maximum 36 Characters)

TASK NUMBER: _____

TASK MANAGER: _____

Duty Code	Hours	Rate		%
		Table	Total	
1-Clerical Services		\$50.00	0.00	
11-Technician	18	\$65.00	1170.00	42%
16-Senior Technician		\$75.00	0.00	
78-Professional Surveyor		\$105.00	0.00	
79-Senior Professional Surveyor		\$120.00	0.00	
80-Field Crew Supervisor		\$90.00	0.00	
81-2 Person Field Crew	17	\$95.00	1615.00	58%
82-3 Person Field Crew		\$115.00	0.00	
83-4 Person Field Crew		\$135.00	0.00	
70-Principal		\$150.00	0.00	
TOTAL	35		\$2,785.00	

DIRECT EXPENSES

_____ sub Consultant
 _____ Blueprints/Repros
 _____ Permit Fees
 _____ Travel
 _____ Equipment/Supplies

\$0.00 TOTAL DIRECT EXPENSES

\$2,785.00

REIMBURSABLE EXPENSES

sub Consultant _____
 Blueprints/Repros _____
 Permit Fees _____
 Travel _____
 Equipment/Supplies _____

TOTAL REIMBURSABLE EXPENSES \$0.00

GRAND TOTAL

FORT LAUDERDALE EXECUTIVE AIRPORT

City of Fort Lauderdale, Florida

TAXIWAY "E" Design Services PER FAA AC 150/5300-13A

Task Description	Hillers Electrical Engineering, Inc.							Total Base \$
	Project Manager	Prof. Engineer	Proj. Engineer	CADD	Clerical Support	Total Hours		
	\$115.00	\$110.00	\$95.00	\$80.00	\$45.00			
	7%	32%	35%	20%	6%			
Design Services								
Design coordination meeting City & KHA Design Team	1	8	8		4	21		\$1,935.00
On-Site Verifications & As Built Reviews	0	4	8		1	13		\$1,245.00
Electrical Calculations	1	12			1	14		\$1,480.00
Taxiway Lighting & Airfield Lighting Vault Plans 60%, 90%, 100%	8	24	80	64	8	184		\$16,640.00
Installation & Layout Details	1	4	12	12	1	30		\$2,700.00
Specifications & Bid Items & Cost Estimates	8	28	4		20	60		\$5,280.00
Engineers Electrical Design Report	1	12	8		8	29		\$2,555.00
Sub-Total Design	20	92	120	76	43	351		\$31,835.00
Bid & Award	1	8	8		4	29		\$2,575.00
Sub-Total Bid Phase	1	8	8	8	4	29		\$2,575.00
Total	21	100*	128	84	47	380		\$34,410.00
Total Labor Costs:	\$2,415.00	\$11,000.00	\$12,160.00	\$6,720.00	\$2,115.00			

**Proposal for
Fort Lauderdale Executive Airport (FXE)**

**Disadvantaged Business Enterprise (DBE) Monitoring and Reporting
Services for Taxiway Echo Pavement Rehabilitation – Design Phase**

**Submitted to:
Mr. David R. Bardt
Kimley-Horn and Associates, Inc.**

**Prepared by:
Dickey Consulting Service, Inc.
P.O. Box 892
Fort Lauderdale, FL 33302
Phone: 954-467-6822
Fax: 954-467-7033
E-mail: sdickey@dickeyinc.com
www.dickeyinc.com**

Proposal for DBE Monitoring and Reporting Services

Scope of Services: Provide professional DBE Liaison Officer (DBELO) services for the FXE Taxiway Echo Pavement Rehabilitation Project during the six-month design phase. This proposal cancels the original DBE monitoring services included in Task Order 21.

DBELO duties shall include:

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

Title	Rate	Total Hours	Total
DBE Principal	\$160.00	16	\$2,560.00
DBE Liaison Officer	\$95.00	40	\$3,800.00
			\$6,360.00