

DOCUMENT ROUTING FORM

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NAME OF DOCUMENT: **Kimley-Horn and Associates Task Order #26 - \$128,980 - FXE Stadium Property Evaluation**

Approved Comm. Mtg. on **DECEMBER 18, 2012** CAR# **13-0031** ITEM: **M-7**

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

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.

1.) Approved as to Content: ALD
Department Director

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

2.) Approved as to Funds Available: by Doug Wood
Finance Director

Date: 1.1.13
RECEIVED
CITY ATTORNEY'S OFFICE
JAN 13 10 12 AM '13
PH 12:09

Amount Required by Contract/Agreement \$ 128,980.00

Funding Source: TAM 07010

Dept./Div. FBS/ENG Index/Sub-object 3104 Project # N/A

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

Carrie Sarver CS

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

By: _____ By: _____
Stanley Hawthorne, Assistant City Manager Susanne Torriente, Assistant City Manager

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

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

13 JAN 14 AM 9:32

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 **MARYANN JOHNSTON**

Copy of document to _____ Original Route form to **Linda Blanco, CAO**

Attach _____ certified copies of Reso. # _____ Fill-in date

1/18

TASK ORDER No. 26

Dated this 18th day of December, 2013 ¹²

FORT LAUDERDALE EXECUTIVE AIRPORT STADIUM EVALUATION

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 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

The City owns two stadium facilities on Fort Lauderdale Executive Airport property; Lockhart Stadium and Fort Lauderdale Stadium (see Exhibit 1). The stadium facilities were built in 1959 and 1962, respectively and have been used for a variety of athletic purposes including Spring Training for two major league baseball teams, high school and college football, professional soccer and special events. The City is in the process of evaluating options relative to the future of the property to include a potential redevelopment of the entire site or continued stadium operation, which would necessitate major renovations of the facilities, and requires costs associated with each option.

SPECIFIC SCOPE OF SERVICES

This Task Order is for the performance of a Forensic Survey of the properties to identify and evaluate visually identifiable deficiencies, develop probable construction costs to correct deficiencies and bring the structures up to current codes and develop probable costs to demolish the structures. For the purposes of this Scope of Services, the "Property" shall include Fort Lauderdale Stadium, Lockhart Stadium and all ancillary buildings associated with the stadiums. Services shall include the following tasks:

Task 1 Property Condition Assessment

KHA will perform a non-intrusive, Property Condition Assessment of the common elements and shall render a written professional Engineering Report concerning the condition of the Property.

KHA will perform a visual review of the exterior and interior portions of the buildings pertaining to the Property. The foregoing assessment shall contain a review of the following visual and readily accessible elements:

- Instances of general non-conformance in connection with the Florida Building Code, Americans with Disabilities Act ("ADA") and the National Fire Protection Association ("NFPA") Safety Code compliance for architectural, civil, structural, mechanical, electrical, plumbing, fire, life safety, paving, grading and drainage requirements on those portions of the Property reviewed by KHA.

- Structural Systems: Visual structural and non-structural cracks, areas of structural distress, corrosion staining and deferred maintenance..
- Waterproofing systems: Areas of identified moisture penetration, moisture staining, expansion joints, sealants and building envelopes.
- HVAC, Electrical, and Plumbing systems: installation, enclosures, pipe insulation, ventilating systems, switch gear rooms, generators, pumps, boilers, drainage, condenser piping, condensate drain piping, site lighting and electrical meter rooms.
- Roofing systems: roof tiles, exposed membranes, parapets, joints, sealants, penetrations, equipment racks and piping supports.
- Life Safety systems: Fireproofing elements, NFPA violations, fire alarm system, and fire sprinkler system.
- Glass and glazing: Windows and glass doors.
- Application, appearance and condition of stucco, architectural embellishments and paint on exterior of the building.
- Exit facilities and security doors (means of ingress and egress).
- Paving, curbing and drainage, not to include elevation studies of these components.

KHA will perform non-destructive evaluations which consist of:

- Preliminary non-destructive reconnaissance survey for thermal imaging of the roof system. The intent of this survey is to demonstrate if moisture is seeping through the roof system.
- Preliminary non-destructive reconnaissance survey for air conditioning return plenums. The intent of this survey is to demonstrate that the return plenum at the return register area is sealed as per plans. This survey is performed with a bore scope inspection camera.

Task 2 Environmental/Hazmat Evaluation

Using the services of a subconsultant, Environmental Consulting and Technology, Inc. ("ECT"), we will conduct a limited asbestos, mold and lead survey to assess existing conditions and provide observations, findings and recommendations. The buildings will be evaluated by a certified inspector in accordance with US EPA rules and Florida Administrative Codes. Representative sampling throughout the buildings for the presence of asbestos will be conducted and samples sent to an independent laboratory for analysis. Representative sampling will be conducted throughout the buildings for lead and samples will be sent to a National Lead Laboratory Accreditation Program accredited laboratory for analysis. A mold assessment will be performed to determine areas that have conditions that can support mold as well as areas that have visible mold growth present. All observations, findings laboratory data

and recommendations will be compiled into a report and will include a preliminary opinion of probable cost for remediation which will be included in the overall costs for the project.

Task 3 Property Condition Assessment Report

KHA will prepare a report of findings. The Report is intended to describe the following:

- A general description of the condition of the Property;
- The applicable Building Codes ("Codes") and permitted drawings under which the Property was constructed;
- Observed conditions of deferred maintenance, poor workmanship or use of improper materials found on the Property, as compared with the standards of the industry;
- Observed material deviations from the permitted set of plans and specifications based on the construction of the Property;

The report will consist of system descriptions, representative photographs, excerpts from construction documents, applicable building codes, manufacturing and industry standard references, and opinions for each of the components listed above. The report will also provide recommendation for intrusive testing if deficiencies could not be determined with visual-only observations. The report will not include opinions on adding betterments to the Property such as bringing the Property up to typical Major League Baseball requirements, change of use and non-required Florida Building Code compliances.

Observed deficiencies will be compiled into a list of deficiencies matrix for comparison and analysis. The list of deficiencies matrix will contain the significant physical deficiencies that should be addressed by the Developer. Ordinary maintenance items affecting the site and the building are outside the scope of this condition assessment. Each deficiency is categorized as one or more of the following types:

- Defect: incorrect or incomplete work, poor workmanship, design errors, failure to follow industry or manufacturer standards or code requirements.
- Deviation: non-compliance with plans and specifications, field change or substitution from permitted plans and specs including items acceptable by code but of a lower quality or reduced life expectancy.
- Code Violation: non-compliance with applicable building codes including referenced standards.

The list of deficiencies will be arranged first by location in the building, then by discipline.

If needed, figures will be included in the report to describe the extent of the deficiency observed in the PCA.

Testing, measuring, or preparing calculations for any system or component to determine adequacy is not included in the Scope of Work. Verification of the adequacy of in-place construction of hidden building elements, components, original design and capacities is beyond the Scope of Work. The City understands and agrees that KHA was not involved during the original design and construction phase of this building, and is not in a position to determine the quality, accuracy and Code compliance of the hidden building components. The Report will be based upon the observation of the readily accessible, observable, and exposed areas only.

KHA will complete the Assessment and issue three (3) signed and sealed copies of the Report (containing photographs depicting, where possible, conditions reported), and provide the Report and photographs on a computer compact disk. Prior to the issuance of the Final Report, a Preliminary Report will be issued by KHA for the City's review and discussion. KHA will attend one (1) on site meeting to discuss the preliminary report. After the issuance of the Preliminary Report to the City, KHA will incorporate one round of reasonable comments and submit the Final Report to the City.

Waterproofing and Roofing Evaluation:

The waterproofing and roofing evaluation is to determine the condition, level of preventative maintenance, state of repair, general appearance, and general compliance with building codes, manufacturer's instructions, industry standards and compliance with construction documents.

Structural and Exterior Evaluation:

KHA will perform a structural and exterior evaluation on accessible exposed areas on the Property. The structural and exterior evaluation is to determine the condition, level of preventative maintenance, state of repair, general appearance, and general compliance with building codes, manufacturer's instructions, industry standards and compliance with exterior elements that are not visible from balconies. If required, KHA will include 11 x 17 fold out figures in the PCA that depict the locations and representative photograph of the exterior deficiencies observed.

Mechanical, Electrical, Plumbing, Fire Alarm and Fire Sprinkler Evaluation:

The mechanical, electrical, plumbing, fire alarm and fire sprinkler system evaluation is to determine the condition, level of preventative maintenance, state of repair, general appearance, and general compliance with building codes, manufacturer's instructions, industry standards and compliance with construction documents. Professional engineers, registered in Florida will be assigned to assess the mechanical, electrical, plumbing and fire alarm system. KHA will use C&W Engineering, Inc. to review the electrical portions on the Property.

Glass and Glazing Evaluation:

The glass and glazing evaluation is to determine the condition, level of preventative maintenance, state of repair, general appearance, and general compliance with building codes, manufacturer's instructions, industry standards and compliance with construction documents of the representative doors and windows on the Property. KHA will use Glass Engineering and Installation, Inc. to perform the glass and glazing evaluation on the Property.

Opinion of Probable Cost:

KHA will prepare an Opinion of Probable Costs ("OPC") for repair/correction of the deficiencies found. The OPC will be provided on a unit cost basis and will only be an estimate as to the order of magnitude of the cost and not a guarantee of the actual cost. If actual costs are required, plans and specifications detailing the repair should be prepared and bid by qualified contractors in the industry.

Task 4 Demolition Costs

Using the services of our subconsultant, Connico, Incorporated, we will estimate the cost of demolition of the properties using an "Order of Magnitude Estimate" method. The Order of Magnitude Estimate is a method of determining the approximate probable cost of the project without the benefit of detailed information such as record drawings or specific demolition plans. The Estimate is based on limited information and is subject to variation. Focus areas for the demolition projects will include items such as: volume of materials for demolition, cost of hauling and transporting to the landfill, cost of disposal at the landfill. Other costs will be estimated that include restoration of the site to a clear, level and seeded field.

The estimating team will collect data from the forensic team as well as perform a site visit for additional information. Standard parameters and specific design characteristics or existing conditions that can be measured will be used to determine demolition costs. Additional cost elements are incorporated which are based on cost and location indices. Remediation costs for hazardous materials will be incorporated as provided by the environmental/hazmat consultant.

Task 5 Evaluate Potential Upgrades

KHA will meet with the City Parks and Recreation Department and the Strikers soccer team to discuss required upgrades to existing facilities above and beyond code required improvements. Based on input from these meetings, we will research and develop cost estimates for those upgrades.

Task 6 Annual Maintenance Cost Estimate

Based on observed conditions, Kimley-Horn will evaluate the applicable elements listed below for required maintenance interval and develop a recommended maintenance schedule.

- Roof
- Structure
- Fireproofing and fire protection systems
- Pavement and parking areas
- Drainage systems
- Painting
- Irrigation systems
- Plumbing
- Heating and cooling systems
- Electrical systems
- Elevators

Based on this schedule, Connico will prepare a preliminary maintenance budget to estimate approximate annual maintenance 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 all tasks within 90 days of notice to proceed.

PROJECT FUNDING

Performance of this project is at the CITY'S discretion with funding from the Airport's Capital Improvement Program and work shall not begin until funding sources for this project are in place and Approved by City Commission.

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>Sub-consultants</u>	<u>Totals</u>
Task 1	\$25,340.00	\$ 3,230.00	\$28,570.00
Task 2	\$ 2,720.00	\$27,050.00	\$29,770.00
Task 3	\$31,780.00	\$ 4,540.00	\$36,320.00
Task 4	\$ 2,720.00	\$14,930.00	\$17,650.00
Task 5	\$ 7,965.00	\$ 0.00	\$ 7,965.00
Task 6	\$ 2,485.00	\$ 3,870.00	\$ 6,355.00
Expenses	\$ 100.00	\$ 2,250.00	\$ 2,350.00
<u>Total Project Cost</u>			<u>\$128,980.00</u>

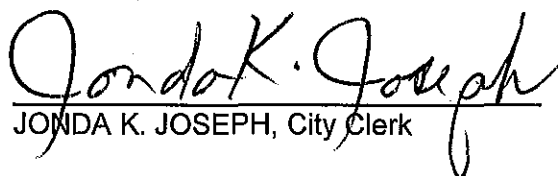
CLOSURE

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

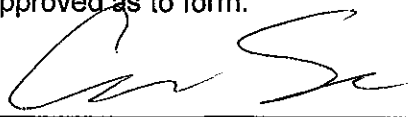
CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida:

By 
LEE R. FELDMAN, City Manager




JONDA K. JOSEPH, City Clerk

Approved as to form:

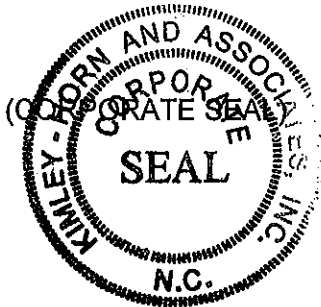

CARRIE L. SARVER
Assistant City Attorney

CONSULTANT

WITNESSES:

[Signature]
RENE PORTIELES II
Print Name

[Signature]
David Stewart
Print Name.



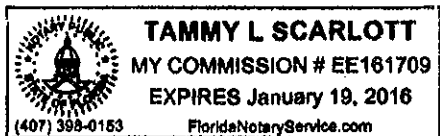
KIMLEY-HORN AND ASSOCIATES, INC.

By: [Signature]
Name: David R. Bardt, P.E.
Title: Sr. Vice President

ATTEST: [Signature]
By: [Signature]
Name: Kevin Schanen, P.E.
Title: Vice President

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 10 day of December, 2012, on behalf of the corporation. They are personally known to me and did not take an oath.



[Signature]
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

**MAN-HOUR ESTIMATE FOR
Lockhart Stadium and Fort Lauderdale Stadium Evaluation**

11/27/2012

EXHIBIT NO. A TO FORM OF CONTRACT	Principal	Sr. Engineer	Engineer Analyst	Clerical/ Admin.	Total Hours	Labor Cost
Kimley-Horn and Associates, Inc.						
	\$225.00	\$170.00	\$110.00	\$65.00		
TASK DESCRIPTION - BASIC ENGINEERING						
Task 1- Property Condition Assessment						
1 Civil, Structural and Architectural Site Visits		30	30		60	\$ 8,400.00
2 ADA Site Visits		30			30	\$ 5,100.00
3 Mechanical Site Visits		30			30	\$ 5,100.00
4 Fire Systems site visits		27	9		36	\$ 5,580.00
4 Administration	4			4	8	\$ 1,160.00
Subtotal	4	117	39	4	164	\$ 25,340.00
Task 2- Environmental - Hazmat Evaluation						
1 Administration	4			4	8	\$ 1,160.00
2 Incorporate results into findings		4	8		12	\$ 1,560.00
Subtotal	4	4	8	4	20	\$ 2,720.00
Task 3 - Property Condition Assessment Report						
1 PRELIMINARY REPORT:						
2 Civil, Structural and Architectural Report		27	27		54	\$ 7,560.00
3 ADA Report		9	9		18	\$ 2,520.00
4 Mechanical Report		9	9		18	\$ 2,520.00
5 Fire System Report		4	4		8	\$ 1,120.00
6 FINAL REPORT:						
7 Civil, Structural and Architectural Site Visits		9	19		28	\$ 3,620.00
8 ADA Site Visits		3	6		9	\$ 1,170.00
9 Mechanical Site Visits		3	6		9	\$ 1,170.00
10 Fire Systems		2	4		6	\$ 780.00
11 OPINION OF PROBABLE COST:						
12 Civil, Structural and Architectural Site Visits		9	27		36	\$ 4,500.00
13 ADA Site Visits		4	18		22	\$ 2,660.00
14 Mechanical Site Visits		4	18		22	\$ 2,660.00
15 Fire Systems		3	9		12	\$ 1,500.00
16 Administration	12			12	24	\$ 3,480.00
Subtotal	12	86	156	12	266	\$ 31,780.00

**MAN-HOUR ESTIMATE FOR
Lockhart Stadium and Fort Lauderdale Stadium Evaluation**

11/27/2012

EXHIBIT NO. A TO FORM OF CONTRACT		Principal	Sr. Engineer	Engineer Analyst	Clerical/ Admin.	Total Hours	Labor Cost
Kimley-Horn and Associates, Inc.							
		\$225.00	\$170.00	\$110.00	\$65.00		
TASK DESCRIPTION - BASIC ENGINEERING							
Task 4 - Demolition Analysis							
1	Adminstration	4			4	8	\$ 1,160.00
2	Incorporate results into findings		4	8		12	\$ 1,560.00
Subtotal		4	4	8	4	20	\$ 2,720.00
Task 5 Meetings and Upgrade							
1	Meet with Parks and Rec and Strikers (2 meetings)	8	8		2	18	\$ 3,290.00
2	Summarize upgrade needs		2		1	3	\$ 405.00
3	Prepare cost estimates for Upgrades	2	8	20	4	34	\$ 4,270.00
Subtotal		10	18	20	7	55	\$ 7,965.00
Task 6 - Mianentance schedule							
1	Site element maintenance schedule	1	4	12	4	21	\$ 2,485.00
Subtotal		1	4	12	4	21	\$ 2,485.00
Raw Labor Subtotal		34	229	231	31	525	\$ 73,010.00

DIRECT EXPENSES		
A Postage, Express, Courier		\$50
E. Printing-Reports and Specifications		\$50
TOTAL DIRECT EXPENSES		\$100.00
SUBCONSULTANT EXPENSES		
A. Specialty Subconsultants-Design		
Connico		\$ 21,050.00
ECT		\$ 27,100.00
C&W Engineering		\$ 5,580.00
Glass Engineering and Installation		\$ 2,190.00

**MAN-HOUR ESTIMATE FOR
Lockhart Stadium and Fort Lauderdale Stadium Evaluation**

11/27/2012

EXHIBIT NO. A TO FORM OF CONTRACT	Principal	Sr. Engineer	Engineer Analyst	Clerical/ Admin.	Total Hours	Labor Cost
Kimley-Horn and Associates, Inc.						
	\$225.00	\$170.00	\$110.00	\$65.00		
TASK DESCRIPTION - BASIC ENGINEERING						
TOTAL SUBCONSULTANT EXPENSES						\$55,920.00
TOTAL PROJECT FEE						\$129,030.00

**MAN-HOUR ESTIMATE FOR
Lockhart Stadium and Fort Lauderdale Stadium Evaluation**

11/27/2012

EXHIBIT NO. A TO FORM OF CONTRACT		Principal	Senior PM	Clerical/ Admin.	Labor Cost
Connico Incorporated					
		\$185.00	\$125.00	\$50.00	
TASK DESCRIPTION - BASIC ENGINEERING					
Task 1-					
1	Site Inspections		34		\$ 4,250.00
2	Prepare Opinion of Probable Cost incl. 1 revision for 2 stadiums (2 reports)	8	72	4	\$ 10,680.00
3	Annual Maintenance Estimate (info from others)	2	28		\$ 3,870.00
Subtotal		10	134	4	\$ 18,800.00
Connico Total		10	134	4	\$ 18,800.00
REIMBURSABLE EXPENSES					\$2,250.00
TOTAL PROJECT FEE					\$21,050.00



DIRECT EXPENSES

	Qty		Amt	per	Expense	Subtotal
Travel						
Air	1 trips	@	\$ 800.00	trip	= \$ 800.00	
Car Rental (including gas)	4 days	@	\$ 115.00	day	= \$ 460.00	
Parking/Tolls	4 days	@	\$ 24.00	day	= \$ 96.00	
Hotel	3 days	@	\$ 175.00	day	= \$ 525.00	
Per Diem	4 days	@	\$ 75.00	day	= \$ 300.00	
Other Travel	1 days	@	\$ 39.00	day	= \$ 39.00	
Mileage	50 miles	@	\$ 0.60	mile	= \$ 30.00	
						Travel \$ 2,250.00
Photography/Binders/Mailings						
Photos	0 images	@	\$ 0.80	each	= \$ -	
Binders	0 binders	@	\$ -	each	= \$ -	
Cover Inserts	0 inserts	@	\$ -	each	= \$ -	
Federal Express	0 packages	@	\$ 45.00	each	= \$ -	
						Photography/Binders/Mailings \$ -
Other						
Photocopies (b&w) (8.5 x 11)	0 pages	@	\$ 0.10	page	= \$ -	
Photocopies (color) (8.5 x 11)	0 pages	@	\$ 0.25	page	= \$ -	
	0 each	@	\$ -	page	= \$ -	
	0 each	@	\$ -	each	= \$ -	
						Other \$ -
						EXPENSES TOTAL \$2,250.00

MOLD / LEAD / ACM Survey

Task Description	
Task A	Lockhart Stadium & Out buildings (lead/acm/mold)
Task B	Baseball Stadium & Out buildings (lead/acm/mold)
Task C	Report Preparation
Task D	

Labor Classification	Labor Rate (hourly)	Task A		Task B		Task C		Task D		Labor Hours	Labor Cost
		Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost		
Principal Scientist/Engineer/CIH	\$170.00	4	\$680.00		\$0.00		\$0.00		\$0.00	4	\$680.00
Senior Scientist/Engineer II	\$155.00	8	\$1,240.00	8	\$1,240.00	12	\$1,584.00		\$0.00	28	\$4,064.00
Senior Scientist/Engineer I	\$132.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Staff Scientist/Engineer II	\$121.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Staff Scientist/Engineer I	\$114.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Senior Associate Scientist/Engineer II	\$105.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Senior Associate Scientist/Engineer I	\$100.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Associate Scientist/Engineer II (x 2 people x 3 days)	\$88.00	48	\$4,224.00	48	\$4,224.00	24	\$2,112.00		\$0.00	120	\$10,560.00
Associate Scientist/Engineer I	\$82.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Senior Technician	\$71.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Technician	\$61.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Graphics Support	\$65.00	4	\$264.00	4	\$264.00	8	\$528.00		\$0.00	16	\$1,056.00
Administrative Support	\$50.00	4	\$200.00	4	\$200.00	8	\$400.00		\$0.00	16	\$800.00
ECT City of Fort Lauderdale 2012		68	\$5,908.00	64	\$5,928.00	52	\$4,624.00	0	\$0.00		
		Task A: Labor Total		Task B: Labor Total		Task C: Labor Total		Task D: Labor Total			
										Total Labor Hours	Total Labor Cost

Other Direct Cost Category (ODC)	Task A	Task B	Task C	Task D	ODC Sub-Category Totals				
Misc. (disposable tubing, gloves etc) / gas odc	\$300.00	\$300.00	\$50.00		\$850.00				
Imaging Camera (thermal)					\$0.00				
					\$0.00				
	\$300.00	\$300.00	\$50.00	\$0.00	\$650.00				
	Task A: ODC Total		Task B: ODC Total		Task C: ODC Total		Task D: ODC Total		Total ODC Cost

Subcontractor Category	ECT Mark-Up	Task A		Task B		Task C		Task D		Subcontractor Category Totals
		Sub Cost	Total Sub Cost	Sub Cost	Total Sub Cost	Sub Cost	Total Sub Cost	Sub Cost	Total Sub Cost	
(Dove) acm bulk ea \$8.00 x 200	10%	\$1,600.00	\$1,760.00	\$1,600.00	\$1,760.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,520.00
(EMSU) lead eac \$13.00 x 200	10%	\$2,600.00	\$2,860.00	\$2,600.00	\$2,860.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,720.00
mold (meter /imaging)	10%		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		\$4,200.00	\$4,620.00	\$4,200.00	\$4,620.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,240.00
		Task A: Subcontractor Total		Task B: Subcontractor Total		Task C: Subcontractor Total		Task D: Subcontractor Total		Total Subcontractor Cost

	\$11,528.00	\$10,848.00	\$4,674.00	\$0.00	\$27,050.00
	Task A	Task B	Task C	Task D	
	Total Project Cost	Total Project Cost	Total Project Cost	Total Project Cost	Total Project Cost

**MAN-HOUR ESTIMATE FOR
Lockhart Stadium and Fort Lauderdale Stadium Evaluation**

11/27/2012

EXHIBIT NO. A TO FORM OF CONTRACT	Principal	Sr. Engineer	Prof. Engineer	Engineer Analyst	Clerical/ Admin.	Total Hours	Labor Cost
	\$225.00	\$170.00	\$125.00	\$110.00	\$65.00		
TASK DESCRIPTION - BASIC ENGINEERING							
C&W Engineering							
1 Electrical System Assessment		16				16	\$ 2,720.00
2 Electrical System Report		11		9		20	\$ 2,860.00
Subtotal	0	27	0	9	0	36	\$ 5,580.00
Glass Engineering and Installation Inc.							
1 Glass and Glazing Assessment		3				3	\$ 510.00
2 Glass and Glazing Report		6		6		12	\$ 1,680.00
Subtotal	0	9	0	6	0	15	\$ 2,190.00
Sub-consultant Expenses	0	36	0	15	0	51	\$ 7,770.00