

Submitted to:  
Fort Lauderdale City Hall  
Procurement Services Division  
100 N. Andrews Avenue, #619  
Fort Lauderdale, FL 33301

Submitted by:  
CES Consultants, Inc.  
4651 Sheridan St..  
Suite 325  
Hollywood, FL 33021

# Cost Estimating Engineering Consulting Services

## RFQ 246-11374



in collaboration with:



**RIB** U.S.COST  
running together

**PCI**  
PROGRAM CONTROLS Inc.

**MCO**  
CONSTRUCTION & SERVICES INC.

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# Letter of Interest



May 29, 2013

City of Fort Lauderdale City Hall  
Procurement Services Division  
100 N. Andrews Avenue, #619  
Fort Lauderdale, FL  
33301

**RE: Continuing Contract for Cost Estimating Engineering Consulting Services**

To Whom It May Concern:

CES Consultants, Inc. (CES) is pleased to submit this proposal to the City of Fort Lauderdale in response to your Request for Qualifications to provide Cost Estimating Engineering Services for Continuing Contracts.

CES is Broward County CBE, as well as a State of Florida Office of Supplier Diversity Certified MBE. CES, a minority-owned and operated firm, was established to provide professional engineering and testing services to private and municipal clients. The firm's staff has more than 100 years of experience in consulting and engineering services that include geotechnical engineering, materials testing, civil engineering, structural engineering and construction management and inspection.

The firm is authorized by the Department of Business and Professional Regulation to offer professional engineering and general construction services in the state of Florida. CES has offices in Broward, Palm Beach, Miami-Dade, and Duval counties.

The CES Team, also comprised of RIB US Cost, Program Controls, Inc. and MCO Construction Services Inc., is staffed by a unique blend of technical and engineering talent developed through a hands-on approach to problem solving. Our team is rooted in sound engineering principles and business basics, and our engineers, field personnel, laboratory staff and support personnel work relentlessly to provide design, engineering, testing, and construction phase services on time, within budget, and with excellence.

*Relevant Experience*

Our proposed team members have worked on numerous Cost Estimating projects throughout South Florida. Some such projects include:

- Fort Lauderdale Airport Terminal 4 Gate Improvements
- Constructability, Cost and Value Engineering for the City of Miami Beach
- Regional Transportation Center for the City of Jacksonville
- Truman Waterfront Park in Key West
- 

We are delighted to continue to work with the City of Fort Lauderdale and believe that our specific expertise and local experience will provide you with a truly successful program.

We once again thank you for this opportunity to submit our proposal and are looking forward to doing business with the City. Please contact our office at 954-587-2479 with questions or comments.

Sincerely,

**CES Consultants, Inc.**



Rudy M. Ortiz, PE, CGC  
Chief Executive Officer

**Project**

City of Fort Lauderdale  
Continuing Contract  
for Cost Estimating  
Engineering Consulting  
Services, RFQ# 246-11374

**Firm's Legal Name**

CES Consultants, Inc.

**Points of Contact**

**Rudy M. Ortiz, PE, CGC**

Phone: (305) 827-2220

Fax: (305) 827-1121

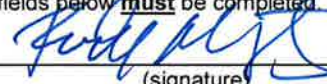
rortiz@cesconsult.com

**BID/PROPOSAL SIGNATURE PAGE**

**How to submit bids/proposals:** Proposals must be submitted by hard copy only. It will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

**Please Note:** All fields below must be completed. If the field does not apply to you, please note N/A in that field.

Submitted by:  February 25, 2014  
(signature) (date)

Name (printed) Rudy M. Ortiz, PE, CGC Title: President/CEO

Company: (Legal Registration) CES Consultants, Inc.

**CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/> ).**

Address: 4651 Sheridan Street, Suite 325

City Hollywood State: FL Zip 33021

Telephone No. 305-827-2220 FAX No. 305-827-1121 Email: cesinfo@cesconsult.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): N/A

Payment Terms (section 1.04): N/A Total Bid Discount (section 1.05): N/A

Does your firm qualify for MBE or WBE status (section 1.09): MBE  WBE

**ADDENDUM ACKNOWLEDGEMENT** - Proposer acknowledges that the following addenda have been received and are included in the proposal:

<u>Addendum No.</u>	<u>Date Issued</u>
N/A	

**VARIANCES:** State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. **HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS.** If this section does not apply to your bid, simply mark N/A in the section below.

Variations: N/A

# Qualifications of the Firm





## ARCHITECT-ENGINEER QUALIFICATIONS

### PART I - CONTRACT SPECIFIC QUALIFICATIONS

#### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)	
Continuing Contract for Cost Estimating Engineering Consulting Services	
2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
	RFQ #246-11374

#### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE		
Rudy M. Ortiz, PE, CGC, President/CEO		
5. NAME OF FIRM		
CES Consultants, Inc.		
6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
(305) 827-2220	(305) 827-1121	rortiz@cesconsult.com

#### C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR			
a.	X			CES Consultants, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	4651 Sheridan Street, Hollywood, FL 33021	General Cost Estimating Services
b.			X	RIB US COST, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	11900 Biscayne Blvd, Suite 620 Miami, FL 33181	General Cost Estimating Services
c.			X	MCO Construction & Services, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	6600 NW 27 <sup>th</sup> Ave, Suite 208 Miami, FL 33147	General Cost Estimating Services
d.			X	Program Controls, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	5201 Blue Lagoon Drive, 8th Floor Miami, FL 33126	General Cost Estimating Services

#### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER  
**1**

21. TITLE AND LOCATION <i>(City and State)</i>  <b>FLL Airport CM@Risk for Terminal 4 Gate Replacement</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES ongo	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER <b>Broward Co. Aviation Department</b>	b. POINT OF CONTACT NAME <b>Bill Carlton / Cummings-Balfour Beatty JV</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>954.733.4211</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

DESCRIPTION fees- \$20,000.

CES is providing pre-construction, construction and cost estimating services to Broward County Aviation Department (BCAD), which has appointed a Managing General Contractor Construction Manager-at-Risk (CM@Risk) to oversee the construction of the Terminal 4 Gate Replacement Project. The scope of work includes repositioning / relocation of several Concourse H gates; western expansion of Concourse H; addition of a secure connector from Terminal 3 to the new Terminal 4 swing gates, as well as modifications to Terminal 3 to accommodate the connection; addition of a sterile corridor (bridge and vertical circulation core) from the Western expansion to the existing Federal Inspection Services area; and construction of new office space for BCAD, including an Operations Communication Center and a FLL Emergency Operations Center; the expansion of the Explosives Detection Systems, security checkpoints, and a covering for the Bag Make-up Area. The Project also requires close coordination with other projects not included in the CM@Risk scope of work, such as terminal apron reconstruction, passenger pick-up and drop-off areas, and modifications to the hydrant fueling system.



Pre-Construction Services

- Cost estimating
- Scheduling
- Administrative Services

Construction Services

- Assistant Superintendents for Civil, MEP, Framing Exterior and Interior.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	CES Consultants, Inc.	Hollywood, FL	Construction Engineering/Estimating Services
b.			
c.			
d.			
e.			
f.			

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <b>2</b>
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21. TITLE AND LOCATION <i>(City and State)</i> <b>MIA Miami Extension / People Mover System</b> <b>Miami , Florida</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION		
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a. PROJECT OWNER <b>Miami Dade Aviation Department</b>	b. POINT OF CONTACT NAME <b>Patrick Pedigo, P.E.</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(305) 510-3733</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The elevated people-moving system, dubbed the MIA Mover, is a light-rail mover system operating between Miami International Airport (MIA) and two other major structures of the Miami Intermodal Center (MIC): the Rental Car Center (RCC) and the Miami Central Station (MCS). The elevated system is designed to handle 2,000 passengers per hour and move them the 1.3-mile distance in less than four minutes. The \$259.4-million MIA Mover Project won the **2012 Engineering News Record Southeast Best Transportation Project Award** as well as the inaugural **2013 Engineering News Record National 'Best of Best' Award for Project Safety**. Key features of this project included:

- ✓ Will automate the transportation of people between MIA and the MIC
- ✓ Benefits air travelers as well as workers commuting into MIA
- ✓ Will ease passenger traffic at terminal curbs-fronts and on roads in and out of MIA



As part of an ongoing miscellaneous cost estimating services contract, CES was engaged by Miami-Dade Aviation Department to review construction documents, conduct quantity take-offs, provide cost estimating and cost engineering services, and prepare a detailed cost analysis with a recommendation on our findings.

CES provided additional cost engineering and other related services under this agreement.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
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	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	<b>CES Consultants, Inc.</b>	<b>Miami Lakes, FL</b>	<b>Cost Estimating</b>

<p align="center"><b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b>  <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>	<p>20. EXAMPLE PROJECT KEY NUMBER <b>3</b></p>
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<p>21. TITLE AND LOCATION <i>(City and State)</i>  <b>Jacksonville Regional Transportation Center, Jacksonville, FL</b></p>	<p align="center">22. YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>PROFESSIONAL SERVICES <b>2008 - Present</b></p> </td> <td style="width: 50%; padding: 5px;"> <p>CONSTRUCTION <i>(If applicable)</i> <b>N/A</b></p> </td> </tr> </table>		<p>PROFESSIONAL SERVICES <b>2008 - Present</b></p>	<p>CONSTRUCTION <i>(If applicable)</i> <b>N/A</b></p>
<p>PROFESSIONAL SERVICES <b>2008 - Present</b></p>	<p>CONSTRUCTION <i>(If applicable)</i> <b>N/A</b></p>			

**23. PROJECT OWNER'S INFORMATION**

<p>a. PROJECT OWNER <b>City of Jacksonville/FDOT</b></p>	<p>b. POINT OF CONTACT NAME <b>Fred Dittmaier</b></p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER <b>(407) 210-2500</b></p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The Jacksonville Regional Transportation Center (JRTC) is a \$180 million state-of-the art facility that will integrate Jacksonville Transit Authority's (JTA) bus lines with the Skyway and the local Greyhound station. The JRTC will also include relocating the Amtrak station to the historic Union terminal adding even greater connectivity and will enable commuter rail operations in the future.

The JTA bus terminal will include retail space, an 875 space parking garage, provisions for 16 JTA bus bays and an elevated pedestrian bridge over West Forsyth Street. The facility will also include a regional Transportation Management Center, to serve as the hub of the City's transportation system, managing all traffic operations throughout the region from a central site. The facility will also serve as the local operation center for the Florida Highway patrol, the Jacksonville Transportation Authority and Florida Department of Transportation. To date, the project is both on time and on budget.





CES staff are currently providing the following services under this contract:

- General civil engineering design
- Cost Estimating
- Quality control and inspection services
- Pre-construction services - cost estimating and scheduling
- Project Management support

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	<p>(1) FIRM NAME <b>CES Consultants, Inc.</b></p>	<p>(2) FIRM LOCATION <i>(City and State)</i> <b>Hollywood, FL</b></p>	<p>(3) ROLE <b>Cost Estimating, Constructability, Quality Control/Inspection Services</b></p>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER
		4
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED
<b>North Terminal Development – Miami International Airport Automated People Mover System (APM)</b> <b>Miami, Florida</b>		PROFESSIONAL SERVICES 2010 CONSTRUCTION <i>(If applicable)</i>
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Miami Dade Aviation Department	Enrique Perez, NTD Chief	(305) 869-3659 eperez@miami-airport.com
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p><b>Scope:</b> Automated People Mover system project (Skytrain) connects the mile-long North Terminal with four stations from one end to the other. The Skytrain, constructed on the roof-level of the facility, was designed with a pinched-loop alignment and runs four 4-car driverless trains in a synchronous manner to provide a capacity of nearly 9,000 passengers per hour per direction. The maintenance and storage facility, car wash facility and the central control room for the Skytrain are also located on the fifth level.</p> <p><b>Size:</b> 8,000 LF of track with 4 trains  <b>Cost:</b> \$130, 321,411</p>		<p><b>Relevance to This Contract:</b></p> <ul style="list-style-type: none"> <li>- APM connecting international terminals</li> <li>- Elevated Guideway based system</li> <li>- International &amp; Domestic passengers</li> <li>Secured maintenance facility</li> </ul>   <p style="font-size: small;">Courtesy North Terminal, Miami International Airport</p>
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME Program Controls, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Miami, Florida
		(3) ROLE Sub-Consultant –Project Controls, Estimating & Scheduling, Information Systems & Administration

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <b>5</b>
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21. TITLE AND LOCATION <i>(City and State)</i> <b>Professional Cost Estimating and Scheduling Services</b> <b>Miami International Airport, Miami, Florida</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2008 - Present</b>	CONSTRUCTION <i>(If applicable)</i> <b>N/A</b>

23. PROJECT OWNER'S INFORMATION		
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a. PROJECT OWNER <b>Miami-Dade County – Aviation Department</b>	b. POINT OF CONTACT NAME <b>Jorge Gonzalez, Director of Project Controls</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(305) 876-7224</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>
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RIB U.S.COST was awarded this contract to provide professional cost estimating and associated scheduling (CPM, Forensic), dispute resolution, change order and claims consulting services for the Capital Improvement Program for the Miami International Airport and the five county owned auxiliary airports. To date, USC has performed services on over 130 different tasks.

The scope of services to be provided includes, but is not limited to:

- Analyzing the factors and activities, which affect the progress and timely completion of construction projects, and preparation of recommendations
- Analyzing and preparing of cost estimates either for entire construction projects
- Recommending text to be included in the Contract Documents relating to schedules, payments and claims
- Preparing and presenting reports, diagrams, sketches, illustrations, spreadsheets and any similar tasks related to items a thru c above
- Attending meetings between any of the parties related to the construction projects for related services
- Reviewing and organizing relevant project schedule, cost estimating, and claim information.
- Pinpointing crucial documents, analyzing the impact of the delays, inefficiency, description, interference and acceleration.
- Preparing project schedules (as planned, as-built and as-adjusted).
- Cost estimating for disputed items.
- Detailed review of existing projects, costs and contractor/consultant costs regarding performance, problems and delays.
- Preparing a chronological list of major problems and delays broken down by cause (owner, contractor or other).
- Calculating damages and assisting in development of back charges.
- Evaluating claims submitted by others
- Writing technical reports, preparing evidentiary tools, designing and constructing demonstration models
- Review and coordinate claim findings with MDAD to assure they are knowledgeable as to the facts and findings
- Assisting in negotiations
- Recommending procedures to be undertaken to minimize the impacts of continuing actions for which claims have been asserted.


*“...your role as Professional Cost Estimating Services Consultant...has contributed significantly to the success of our \$6.4 Billion Capital Improvement Program...support in negotiations...construction cost estimates...cost analysis of claims and reviewed over \$320M in contractor change order proposals...performed professionally and with a high quality of service...”*

*Jose Abreu, P.E., Director  
Miami-Dade Aviation  
Department*

**Project Value: \$1.15 Billion**

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
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a.	(1) FIRM NAME <b>RIB U.S.COST</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami, FL</b>	(3) ROLE <b>Cost Estimating, Scheduling, Claims</b>
b.	(1) FIRM NAME <b>CES Consultants, Inc.</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami Lakes, FL</b>	(3) ROLE <b>Cost Estimating</b>
c.	(1) FIRM NAME <b>MCO Construction Services</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami, FL</b>	(3) ROLE <b>Cost Estimating</b>
d.	(1) FIRM NAME <b>Program Controls, Inc.</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Aventura, FL</b>	(3) ROLE <b>Cost Estimating, Claims</b>

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>6</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>Capital Improvement Program, Fort Lauderdale-Hollywood International Airport, Fort Lauderdale, Florida</b>		22. YEAR COMPLETED PROFESSIONAL SERVICES <b>2008 - Present</b> CONSTRUCTION <i>(If applicable)</i> <b>N/A</b>
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Broward County – Aviation Department</b>	b. POINT OF CONTACT NAME <b>James Pantina</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(954) 359-2454</b>
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p>RIB U.S.COST provided multiple services for the current Terminal 4 Expansion including:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  </div> <div style="width: 50%;"> <ul style="list-style-type: none"> <li>○ <b>Preliminary Design Review for Total Program Cost Estimate.</b> Review of the Preliminary Design Document to assist in developing a draft of the Total Program Cost (TPC). Provided Risk Assessment and Document Risk factors. Included on-site meetings for quality review with the Program Management team followed by a finalized TPC estimate.</li> <li>○ <b>Program Budget Estimate.</b> Developed Comprehensive Program Baseline Estimate for the T 4 Gate Replacement Program. Provided program scope verification through discussions with PMO and the AE, determining an appropriate Work Breakdown Structure, lead the comprehensive estimating effort that involved all elements of Terminal &amp; Concourse building renovation and construction. In addition, civil</li> </ul> </div> </div> <p>work including; Apron Paving, landside utilities, hydrant fueling modifications, new Passenger Boarding Bridges and Ground Service Equipment was included. In addition, the Program Estimate includes Prime Contractor Markups, Contingencies, Escalation and Soft costs.</p> <ul style="list-style-type: none"> <li>○ <b>On-Call Estimating.</b> Provided as-needed, on-call estimating services in connection with preparing program estimates for Bonds through 2012.</li> <li>○ <b>Value Analysis.</b> VA workshops and estimating support. Provided essential construction cost information to the VE group which included the PMO, BCAD and the AE. The VE meetings relied heavily on the Program Baseline Estimate and led to the successful redesign of the Concourse G.</li> </ul> <p><i>Estimated \$800M New 09R/27L Runway Project and T4 Expansion project. In both cases, our program budget validation efforts were instrumental in moving the program forward.</i></p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME <b>RIB U.S.COST</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami, FL</b>
		(3) ROLE <b>Cost Estimating, Value Analysis</b>

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <b>7</b>
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21. TITLE AND LOCATION <i>(City and State)</i> <b>Constructability, Cost and Value Engineering Review Services, City of Miami Beach, Florida</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2011 - Present</b>	CONSTRUCTION <i>(If applicable)</i> <b>N/A</b>

<b>23. PROJECT OWNER'S INFORMATION</b>
--

a. PROJECT OWNER <b>City of Miami Beach</b>	b. POINT OF CONTACT NAME <b>Theo Carrasco</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(305) 673-6230</b>
--	--	---

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

RIB U.S.COST was awarded this Prime contract to assist the city to more precisely identify capital budget requirements. Accurately identifying the monetary requirements for construction allows the City to forecast the monies required prior to issuance of any necessary construction bonds and/or capital budget requirements.

RIB U.S.COST provides various cost control services during various phases of projects including:

- provide detailed quantity take off of materials required to complete various projects in accordance with Technical Specifications and design documents
- provide detailed estimates of labor and material costs in an Excel spreadsheet format showing unit prices, based on past comparable unit costs specifically associated with the South Florida Market
- provide detailed constructability review with recommendations for alternate means and methods of construction activities, value engineering, scheduling and construction sequencing that will potentially reduce costs of the project
- provide a cost comparison to a recognized construction cost estimating service adjusted for South Florida construction. (RS Means or equivalent)
- estimates are contained in a single spreadsheet showing cost comparisons individually tabulated
- identify any comparable projects including completion dates that were used to develop the construction cost estimate
- support City Staff and participate in the value engineering reviews with contractor
- support City Staff in the bidding and award phase of projects.



<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>
--

a.	(1) FIRM NAME <b>RIB U.S.COST</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami, FL</b>	(3) ROLE <b>Cost Estimating, Constructability, Value Engineering Review</b>
b.	(1) FIRM NAME <b>CES Consultants, Inc.</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami Lakes, FL</b>	(3) ROLE <b>Cost Estimating, Constructability</b>



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>8</b>				
21. TITLE AND LOCATION <i>(City and State)</i> <b>Sullivan Park Expansion</b> <b>City of Deerfield Beach, Florida</b>		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td><b>2013 - Present</b></td> <td><b>N/A</b></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	<b>2013 - Present</b>	<b>N/A</b>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
<b>2013 - Present</b>	<b>N/A</b>					
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER <b>City of Deerfield Beach</b>	b. POINT OF CONTACT NAME <b>Randy Hollingworth</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(786) 470-3898</b>				

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

RIB U.S.COST provides cost estimating services in support of the rehabilitation, renovation and expansion of the existing Sullivan Park including boat dock and seawall modifications. The redeveloped park will provide an amenity to the Cove Shopping Center and the surrounding community by activating the park with marine facilities like boat slips for transient boats and floating docks for canoes and kayaks, constructing a pedestrian boardwalk along the water's edge that connects to the Cove Shopping Center and creating a more pleasant park space.

RIB U.S.COST is providing cost estimating services at the Programming Phase, Schematic, Design Development, 50% CD and 100% CD.



Project Value: \$4 Million

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME <b>RIB U.S.COST</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami, FL</b>	(3) ROLE <b>Cost Estimating</b>
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**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER


9

21. TITLE AND LOCATION <i>(City and State)</i> <b>City of Atlanta, Architecture &amp; Engineering Professional Services, Sanitary Sewer Evaluation and Rehabilitation Program</b> Miami, Florida	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(if applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Miami Dade Aviation Department	b. POINT OF CONTACT NAME J. Preston Sewell, PE, AECOM JV Partner	c. POINT OF CONTACT TELEPHONE NUMBER (404) 946-9471 Preston.Sewell@aecom.com
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

<p><b>Scope:</b> This program included the evaluation, replacement and/or rehabilitation of all 2,200 miles of sanitary sewers and appurtenances. South River Basin East Point Replacement Project (Design 13,300 lineal feet of sewer ranging in size from 24-inches to 42-inches, and a second pipeline of approximately 1,600 feet of 18-inch sewer); South River Basin North Replacement Sewers (Design 10,500 lineal feet of sewer ranging from 18 to 48-inches in diameter); South River Basin South Replacement Sewers (Design 9,300 lineal feet of sewer ranging from 18 to 42-inches in diameter). The program also included the Adamsville Pumping Station design, pipe &amp; valve sizing, and other appurtenances to increase pump station capacity from 45 to 60 mgd and 30,000 linear feet of 48-inch diameter transmission main; Intrenchment Creek Water Resources Center (WRC) 20 MGD Tunnel Pump Station and East/West CSO Facilities Upgrade, design and construction management services of a 20 million gallons per day (MGD) Tunnel Pump Station, the East CSO Treatment Plant, and the West CSO Treatment Plant and R.M Clayton Water Reclamation Facility.</p> <p><b>Cost:</b> \$250, 000,000</p>	<div style="background-color: #0070C0; color: white; padding: 5px;"> <p><b>Relevance to This Contract:</b></p> <ul style="list-style-type: none"> <li>- 100% compliance on all Consent Decree projects</li> <li>- 70% of planned rehabilitation completed (365 miles of sewer)</li> </ul> </div> 
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Program Controls, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Miami, Florida	(3) ROLE Sub-Consultant –Project Controls, Estimating & Scheduling, Information Systems & Administration
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<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER <b>10</b>
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21. TITLE AND LOCATION <i>(City and State)</i> <b>Truman Waterfront Park</b> <b>Key West, Florida</b>	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES</td> <td style="width: 50%;">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td style="text-align: center;"><b>2012 - Present</b></td> <td style="text-align: center;"><b>N/A</b></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	<b>2012 - Present</b>	<b>N/A</b>
PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>				
<b>2012 - Present</b>	<b>N/A</b>				

23. PROJECT OWNER'S INFORMATION
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a. PROJECT OWNER <b>City of Key West, Naval Properties Local Redevelopment Authority</b>	b. POINT OF CONTACT NAME <b>Randy Hollingworth</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>(786) 470-3898</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>
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RIB U.S.COST provides cost estimating services in support of the development of a portion of surplus Navy property known as the Truman Waterfront Upland Parcels, located in Key West, Florida. Features include 23 acres of developed waterfront property for mixed use, retail, parks, and a cruise port.

RIB U.S.COST services are performed for landscape, sub-surface/infrastructure, utility design; roads and pedestrian access; ecological and environmental; amphitheaters/event plazas; waterfront design; alternative supplemental energy sources, and recreation/historic areas.



RIB U.S.COST provides master plan program cost estimates including construction costs for each project including contingencies, escalation and soft costs.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT
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a. (1) FIRM NAME <b>RIB U.S.COST</b>	(2) FIRM LOCATION <i>(City and State)</i> <b>Miami, FL</b>	(3) ROLE <b>Cost Estimating</b>
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## H. ADDITIONAL INFORMATION

The firm's professional staff have experience in a variety of disciplines including: Program/Construction Management; Project Control / Cost Control; Primavera (P3e) Scheduling; Estimating; Civil Engineering; Water & Wastewater; Structural Engineering; Construction Engineering & Inspection; Geotechnical Services; Permitting Services; and Owner Representation.

**CES** key personnel comprises of a diverse group of engineering professionals and construction experts with an emphasis in quality of work and client satisfaction. Our senior staff brings experience in civil, environmental and structural engineering. The firm's staff experience includes design and construction management for over \$150 million of roadway and neighborhood improvement projects in New York City; Program manager for the \$250 million infiltration/infiltration/inflow program for Miami-Dade Water and Sewer Department; and Program manager for the \$1billion pump station improvement program for Miami-Dade Water and Sewer Department. This program consisted of planning, preparation of basis of design reports, design, permitting, and construction phase services for over 900 pump station and over 100 miles gravity and force main lines. Further Construction Management experience has been with the Department of Veterans Affairs in Miami totaling over \$3 million dollars as a Prime Contractor on various projects. We have also performed Quality Control on Several School Board Projects in Dade, Broward, and Palm Beach County as well as Dade County Sports and Entertainment Complexes such as The American Airlines Arena and The Performing Arts Center.

**CES** works in conjunction with owners, professional design teams and contractors to assure conformance with project specifications. Our firm has an excellent proven track record of performance, and prompt response to testing and inspection services. Our services include a full range of soil, concrete, and asphalt testing. We also offer detailed Inspection Services as well as on Site Consulting for Commercial/Residential, Private Sector, Federal Government, and Municipalities.

CES professional staff has considerable experience in a variety of engineering disciplines including but not limited to:

Design & Engineering Services		
<b>Civil Engineering</b> <ul style="list-style-type: none"> <li>• Site Development</li> <li>• Storm Water/Drainage Systems/Modeling</li> <li>• Roadway, Highway Systems</li> <li>• Utility Relocation &amp; Design Detailed and Conceptual Designs</li> </ul>	<b>Construction Engineering and Inspections</b> <ul style="list-style-type: none"> <li>• Constructability Review</li> <li>• Cost Estimating</li> <li>• Scheduling</li> <li>• Construction Inspections and Monitoring</li> <li>• Submittal Reviews</li> <li>• RFI Management</li> <li>• Payment Request Review and Approval</li> <li>• Project Close-out</li> <li>• Review Claims and Disputes</li> </ul>	<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>• Geotechnical and Materials Testing Services</li> <li>• Structural Engineering</li> <li>• Mechanical Engineering</li> <li>• Electrical Engineering</li> </ul>
Water Supply & Treatment	Environmental Services	Management Consulting
<ul style="list-style-type: none"> <li>• Water Quality Studies</li> <li>• Facility and Master Planning</li> <li>• Evaluation and Design of Collection and Treatment Systems</li> <li>• Source Development and Wellfield Protection</li> <li>• Water Distribution Pipelines</li> <li>• Wet Weather Flow Management</li> <li>• Effluent Reuse/Recycling</li> </ul>	<ul style="list-style-type: none"> <li>• Permitting Assistance</li> <li>• Water Quality Monitoring and Modeling</li> <li>• Wetlands Delineation and Mitigation</li> <li>• Environmental Compliance</li> <li>• Debris Management</li> <li>• Debris Monitoring Inspection</li> </ul>	<ul style="list-style-type: none"> <li>• Rate Studies</li> <li>• Asset Management</li> <li>• Strategic Planning</li> <li>• Owners Agent Services</li> <li>• Program Management</li> <li>• Construction Management Services</li> </ul>

The key members of the CES Team have worked with Government agencies at County, Municipal and Federal levels.

**Cost Estimating**

Our cost consulting staff consists of personnel who are certified cost engineers, general contractors, and professional engineers with extensive experience in cost estimating, scheduling and cost control. We have performed comparative cost analysis of systems and value engineering studies in response to claims for a wide range of public and private clients. We have offered cost estimation on several projects.

- ✓ *Miami Mover Extension at Miami International Airport.* - The people mover system is a light rail mover system operating between the Miami International Airport, The Intermodal Center and the Rental Car Center. This system will move passenger for a 1.3 mile distance in less than 4 minutes. The cost estimated by our firm was \$267 Million.
- ✓ *Jacksonville Regional Transportation Center in Jacksonville Florida (JRTC)* - JRTC is a new facility which will integrate the Jacksonville Transit Authority bus lines with the Skyway and the local Greyhound station. This location will include the relocation of the Amtrak station to the historic Union Terminal adding even greater connectivity and commuter rail operations in the future. The cost estimated by our firm with Turner Construction was \$180 million.
- ✓ *Department of Veterans Affairs* - The Veterans Hospital in Miami, Key West, Hollywood, Oakland Park, and Orlando has required several extensive renovations to existing facilities as well as many minor projects. **CES** has performed as the Prime Contractor on all of these projects supplying cost estimation, scheduling and construction management. Projects estimated total over \$3.5 million in the past 3 years.
- ✓ *Pavarini Construction (School Board Projects for Dade, Broward, & Palm Beach)* - School Board Projects have consisted of new facilities, renovations, and additions. Cost Estimation performed by CES included Construction Management, Quality Control, and Assistant Project Management. We have cost estimated over \$1million in the previous areas of work as well performed the functions associated.

**Scheduling**

The CES Team utilizes Primavera and Microsoft Project products for scheduling and construction management tasks. These products also allow all team members to access project data at any time. We utilize these tools to effectively allocate resources, assign responsibilities and set timetables for project activities.

**Civil Engineering**

**CES** has full in-house capabilities to provide civil engineering services, infrastructure design, construction observation, and construction management services for a large number of public and private projects for mixed-use and single-purpose developments. CES has participated in important infrastructure projects for numerous governmental agencies, including Miami-Dade Water and Sewer Department, Broward County, City of Miami Beach, the City of Miramar, the South Florida Water Management District, the Federal Department of Transportation, and others. The CES Staff has extensive experience in the design and construction administration of water and sewer utility projects ranging from 6" - to 96"-diameter piping networks, pump stations, master planning and drainage modeling. Our professional staff also brings considerable experience with roadway improvements, site development, parks and recreational facilities, stormwater management improvements, airport-related projects, program management, and commercial and industrial facilities.

To date, the company has helped many clients navigate the complex study and approval processes that must be completed prior to the design and construction of small-and-large-scale municipal, county, state, federal and private improvement projects and developments. Its consistent on-time, on-budget delivery of projects has enabled CES to retain its client pool and receive repeat business.

**CES** recognizes the importance of teamwork, always open to utilizing the services of specialty consultants such as ecologists, biologists, environmental remediation experts, or others as each unique project requires. The company's extensive experience with the relevant regulatory agencies enables it to obtain permits efficiently and effectively. Typical services include the following:

Civil Engineering Services Offered
✓ Feasibility Studies or Basis of Design Reports
✓ Management of all project sub-consultants
✓ Coordination of a Specific Purpose Topographical Survey
✓ Site Grading Designs
✓ Site Drainage and Stormwater Management Designs
✓ Potable Water System Designs
✓ Sanitary Sewer System Designs
✓ Roadway and Pavement Marking Designs
✓ Maintenance of Traffic and public involvement considerations
✓ Obtaining all permits for civil improvements
✓ Specification Development
✓ Bid Package Preparation and Support
✓ Construction Administration
✓ Project Close-Out

The **CES** staff has provided services on numerous projects in Florida, New York, County, State, Federal agencies and private firms. The projects have included:

- ✓ Wastewater collection and treatment
- ✓ Wastewater Master Planning
- ✓ Water supply and distribution improvements
- ✓ Solid waste management
- ✓ Storm drainage and stormwater management
- ✓ Right of way improvements
- ✓ Community Development projects

The company furnishes services ranging from Feasibility Studies and Preliminary Engineering Reports to Design and Construction Management.

### **Structural Engineering**

**CES** staff has provided structural engineering services on numerous projects to municipal and private clients in Florida, the Dominican Republic, and Puerto Rico. The CES structural engineering staff has extensive experience in inspection and evaluation, structural design, refurbishments, and construction phase services. Its structural engineering staff is also familiar with all applicable local building codes and design guidelines. Key objectives and standard procedures include the following:

Key Objectives and Standard Procedures	
<ul style="list-style-type: none"> <li>✓ Work with the client to determine the project scope</li> <li>✓ Perform a cost-efficient structural design</li> <li>✓ Provide detailed construction plans to the client</li> </ul>	<ul style="list-style-type: none"> <li>✓ Obtain all necessary data and information to perform the design</li> <li>✓ Draft structural working plans and details as required</li> <li>✓ Work with the client to address issues during the design process</li> </ul>

**Project Management**

**CES** offers complete project management services to public and private owners. **CES's** extensive experience gives it a unique understanding of what can potentially affect any project, thereby allowing **CES** to pre-empt such events. Project management is an integral part of everything **CES** does. The company carefully plans and organizes all resources to achieve the project's specific objective.

Whether a project involves construction of a new building or major public works project, or the planning of a new water distribution system, **CES** knows that the basic elements of effective project management remain the same. Consequently, all projects require the creation of a project plan that defines the project goals and objectives, and delineates the steps along the way. The plan also identifies tasks and the resources needed, and defines the budget and schedule required for completion. Another key aspect of any project management assignment is the assembling of the best team members for each unique project, and to support them with the best possible leadership.

As a construction project manager, **CES** has managed all phases of construction from pre-design through completion, including scheduling, estimating, cost control, expediting, inspection, contract administration, and management of designers, contractors, subcontractors, and suppliers.

With its considerable experience, **CES** is able to identify potential trouble spots on a project before they develop into problems, and recommend corrective action through planning and project controls.

**Construction Management**

**CES's** experienced professionals offer various areas of expertise in Construction Management. The firm has completed projects for a variety of clients such as the Department of Veterans Affairs, Miami-Dade Water & Sewer Department, US Army Corps of Engineers, US Navy, and US Air Force. The company has also performed QA/QC on several School Board Projects in Dade, Broward, and Palm Beach Counties, and has also worked on Dade County Sports and Entertainment Complexes such as The American Airlines Arena, The Marlins Stadium and The Performing Arts Center. **CES's** Construction Management team provides exceptional quality service to all of its clients.

**CES** services often begin in the pre-construction and pre-bid phase, and extend through project completion. These services can include the following:

Construction Management Services		
Pre-Construction and Pre-Bid Phase	Active Construction Phase	Project Closeout Phase
<ul style="list-style-type: none"> <li>✓ Constructability Analysis</li> <li>✓ Bidding / Evaluation of Contracts / Bid Review</li> <li>✓ Cost Estimates</li> <li>✓ Bid Item and Quantity Estimate Verification</li> </ul>	<ul style="list-style-type: none"> <li>✓ Field Observation / Inspection</li> <li>✓ Progress Meetings</li> <li>✓ Project Management</li> <li>✓ Administrative Services</li> </ul>	<ul style="list-style-type: none"> <li>✓ Supervision of As-Built Surveys</li> <li>✓ Daily Log Records / Journal Entries</li> <li>✓ Dispute Resolution</li> <li>✓ Reimbursement Assistance</li> <li>✓ Close Out and Acceptance</li> </ul>

**Information Management**

Our Team is constantly exploring technology tools that helps expedite design and construction while providing more usable information during the process to allow the design team, owner, and contractor to better understand the project to be delivered. As such, CES has developed a new and innovative approach to providing practical information management systems (PIMS) for our clients. Our experience has shown that high-end, shrink-wrap systems are rarely developed effectively and that most features are either not used or are under-utilized. Our goal is to provide simple and practical service-based business processes that will solve information and document management problems without having to purchase a high-end, cure-all system.



**PIMS is a powerful program management tool.**

The core PIMS package of services is geared to public utility operations, where there is a need to manage project information. The PIMS system is designed to provide access, through levels of security, to all staff that have a need to view and edit project information. The PIMS package is not a shrink-wrapped software system. PIMS is a package of services, underpinned by a set of database and delivery systems that focuses on protecting enterprise investments in existing data collections.

**PIMS** has been used as a program management tool with Governmental clients and we typically implement the system as a part of our program and construction management effort. PIMS will gives us the ability to handle documents, incorporate field logs and comment functions, and generate reports at all levels as required by our clients. PIMS efficiently handles the ever-increasing amount of critical project data and can mean the difference between a successful project and one that fails. Staff that originally spent hours researching data to create reports, answer stakeholder questions, or to determine the progress of a project are available to deal with more pressing needs.



**PIMS on a public website**

**Field Inspection Services**

**CES's** inspection services include complete observation of construction efforts to ensure compliance with applicable design documents and codes. **CES's** construction engineering and inspection team consists of highly skilled construction engineers, resident engineers and construction technicians with experience inspecting large, multi-phased construction projects. To supplement its inspection services, **CES** provides additional quality assurance and quality control with materials testing services.



**CES** presently provides these services for various clients, including Miami-Dade County, Broward County, Palm Beach County, all the South Florida School Districts, Miami International Airport, City of Miami Gardens, City of Miramar, and South Florida Water Management District.

The company’s expertise in large, multi-phased construction projects ranges from complicated airport terminals, bridge decks, and roadway widening projects to water treatment and distribution systems. For new construction and enhancement projects, **CES’s** inspection team has the experience to provide client protection and satisfaction throughout the construction process. Testing and inspection services provided by **CES** include the following:

Field Testing and Inspection Services	
Asphalt Field and Lab Inspections	Pile Load Testing
Reinforcing Bar Placement Inspections	Pier and Piling Inspections
Visual Welding Inspections	Environmental Testing
Magnetic Particle Testing	Water Quality Testing
Ultrasonic Examinations of Welds	Field and Laboratory Soils Testing
Post-Tension Inspections	Air Quality Testing
Bolt Tightening Inspections	Mold Inspection and Detection
Roof Inspections	Fire Proofing Inspections
Bridge Inspections	Corrosion Inspections

**Design Services**

**CES’s** experienced Professional Design Engineers perform various designs in several areas, such as Structural, Water and Sewer, Stormwater, and Roadway. **CES** has completed various design projects with clients such as The City of Miramar, Miami Dade County, Broward County Aviation, City of Miami Gardens, and South Florida Water Management District to name a few.

**Staffing and Organization**

Our reputation is based through comprehensive management controls, highly competitive pricing, and our bottom line commitment to quality. Our project management approach is designed to achieve the outcomes that all project stakeholders expect, while controlling costs, ensuring quality, and the completion of projects on time. Our proposed staff includes engineers, licensed general contractors, electricians, construction managers, business professionals, and skilled tradesmen. We are experienced in all areas of construction management, contract types, and contract management. Further, we have a full complement of qualified sub-contractors to augment our in-house capabilities, which enables us to meet all contract requirements. We have built a reputation of integrity and reliability by the completion of our projects on time and within budget.

Assigning the right project manager to a task order is a primary reason for **CES’s** success in delivering projects on time and under budget as demonstrated by our personnel’s impressive list of repeat clients. This speaks to the high level of satisfaction that our clients receive from **CES**. Our personnel have worked on several of the largest infrastructure improvement projects in South Florida.

From the onset of a task order our assigned project manager will clearly define the project goals in order to assure the **CES** Team provides a quality product with cost and time savings. The project manager will direct the project team in preparation of the work plan to address technical, regulatory, quality assurance, health and safety, and public involvement issues. By proactively implementing this plan the project team is able to:

- Develop plans and contingency plans to address the wide-variety of nuances involved in every project.

- Control the project implementation and execution to meet the prescribed goal.
- Build cost and time savings into each project approach.

Our history of cost control and schedule performance is based on well-established processes, tools, and communication systems.

CES utilizes Ajera, a computer-based accounting and project manager reporting application, which measures performance against established schedule and budget objectives in real time. The project manager is able to accurately monitor and track the financial results of the projects under their control by reviewing summarized financial information as well as detailed project transactions and status.

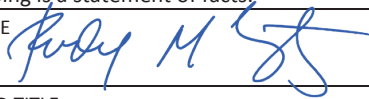
CES standard practices of regular communications, mandatory kickoff meetings, regular team updates, and task progress reviews, assist the project team in making plans adjustments early in the project performance cycle. The project manager will establish a regular project review schedule or monitor progress and make plan refinements and adjustments. Any corrective actions and direction adjustments are communicated to the client for concurrence and then back to the entire delivery team. The goal of the project manager is efficient execution of the individual task within the specified budget. Effective management of each task will ensure the overall success of the entire program.

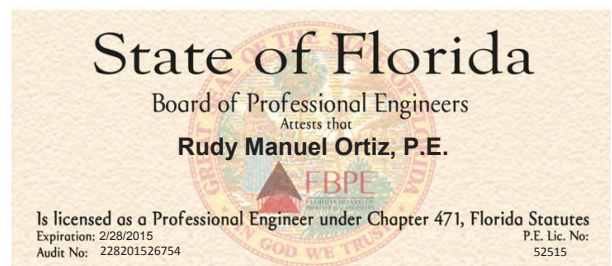
**Relevant Experience:**

- ✓ Project Manager for the design and construction of a \$30 million highway project
- ✓ New York City Department of Environmental Protection, NY - construction management of a \$15 million, 50,000 feet of water distribution lines in New York City
- ✓ FEMA – Dorm Storm-water Reduction Program - design and construction oversight of roadway improvements. His responsibilities included planning, design review and cost estimate preparation for the design of French drainage, roadway resurfacing and reconstruction. Mr. Ortiz also provided quality assurance services for the firm during implementation of similar projects designed by others, but supervised by CES
- ✓ Hurricane - Emergency Response Oversight - post-event recovery efforts for Wilma, Katrina and Fay
- ✓ City of Opa-Locka Canal Improvements - construction oversight services for new canal segments
- ✓ CDWWTP Water Reclamation Facility, Miami, FL - design of paving, grading and drainage; the drainage is a closed system, comprised of swales and french drains. Relocation of any existing underground utilities within the foot print of the proposed design
- ✓ JEA NW Regional Water Treatment Plant, Jacksonville, FL - site design of the WTP
- ✓ JEA West Nassau Regional Water Treatment Plant, Nassau County, FL - site design of the WTP
- ✓ SW 27th Ave from US-1 to Bayshore Drive, MDC, FL - engineering analysis and design services for a closed storm water drainage system

**I. AUTHORIZED REPRESENTATIVE**

The foregoing is a statement of facts.

SIGNATURE 	DATE February 25, 2014
NAME AND TITLE Rudy M. Ortiz, PE, CGC, President/CEO	



# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)


2a. FIRM (OR BRANCH OFFICE) NAME CES Consultants, Inc.			3. YEAR ESTABLISHED 2001	4. DUNS NUMBER 021359208
2b. STREET 4651 Sheridan Street, Suite 325			5. OWNERSHIP	
2c. CITY Hollywood			2d. STATE FL	2e. ZIP CODE 33312
6a. POINT OF CONTACT NAME AND TITLE Rudy M. Ortiz, PE, CGC			a. TYPE S Corporation	
6b. TELEPHONE NUMBER (954) 587-2479			b. SMALL BUSINESS STATUS MBE	
6c. E-MAIL ADDRESS rortiz@cesconsult.com			7. NAME OF FIRM (If block 2a is a branch office) N/A	
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YR. ESTABLISHED N/A	8c. DUNS NUMBER N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	4		A05	Airports	1
08	CAD Technician	1		C15	Constuction Management	4
12	Civil Engineer	5		C18	Cost Estimating	1
15	Construction Inspector	11		G04	GIS Services	1
16	Construction Manager	1		S04	Sewage Collection, Treatment	2
18	Cost Engineer/Estimator	1		S13	Storm Water Handling & Facilities	5
23	Environmental Engineer	1		W02	Water Res, Hydrology	1
29	GIS Specialist	1		W03	Water Supply, Treatment, etc.	4
34	Hydrologist	1			Management Consulting	1
53	Scheduler	1				
57	Structural Engineer	2				
58	Technician	3				
	Other Employees					
<b>Total</b>		32	0			


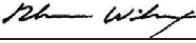
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	6	2. \$100,00 to less than \$250,000	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million
c. Total Work	1	3. \$250,000 to less than \$500,000	4. \$500,000 to less than \$1 million	5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 2/25/14
c. NAME AND TITLE Rudy M. Ortiz, PE, CGC	

Qualifications of the Firm

ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (if any) 246-11374		
<b>PART II – GENERAL QUALIFICATIONS</b> <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>						
2a. FIRM (or branch office) NAME 			3. YEAR ESTABLISHED 1996		4. DUNS NUMBER Applied/Pending	
2b. STREET 11900 Biscayne Boulevard, Suite 620			5. OWNERSHIP			
2c. CITY Miami		2d. STATE FL	2e. ZIP CODE 33181	a. TYPE Corporation		
6a. POINT OF CONTACT NAME AND TITLE Glenn Wilcox, Vice President, Professional Services			b. SMALL BUSINESS STATUS			
6b. TELEPHONE NUMBER 786.953.7817		6c. E-MAIL ADDRESS gwilcox@uscost.com				
8a. FORMER FIRM NAME(S) (if any) U.S. COST			8b. YR. ESTABLISHED 1983		8c. DUNS NUMBER 10-926-7138	
<b>9. EMPLOYEES BY DISCIPLINE</b>				<b>10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS</b>		
a. Function Code	b. Discipline	c. No. of employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	10	1	C18	Cost Estimating; Cost Engineering and analysis; Parametric Costing; Forecasting	7
14	Computer Programmer	10	0	V01	Value Analysis; Life-Cycle Costing	5
16	Construction Manager	3	0			
18	Cost Engineer/Estimator	53	6			
20	Economist	1	0			
23	Environmental Engineer	2	0			
42	Mechanical Engineer	1	0			
48	Project Manager	10	2			
53	Scheduler	7	0			
61	Value Engineer	4	0			
	Other Employees					
	Total	101	9			
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER				
a. Federal Work	7	1. Less than \$100,000		6. \$2 million to less than \$5 million		
B. Non-Federal Work	6	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
c. Total Work	8	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
		4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
<b>12. AUTHORIZED REPRESENTATIVE</b> The foregoing is a statement of facts.						
a. SIGNATURE 					b. DATE 01/01/2014	
c. NAME AND TITLE Glenn Wilcox, Vice President, Professional Services Group						
AUTHORIZED FOR LOCAL REPRODUCTION MANDATORY USE DATE OF FORM 6/8/2004				STANDARD FORM 330 (6/2004)		



**ARCHITECT-ENGINEER QUALIFICATIONS**

1. SOLICITATION NUMBER (If any)

**PART II – GENERAL QUALIFICATIONS**

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or branch office) NAME <b>MCO Construction and Services, Inc.</b>			3. YEAR ESTABLISHED <b>1993</b>		4. DUNS NUMBER <b>174367540</b>
2b. STREET  <b>6600 NW 27<sup>th</sup> Avenue Suite 208</b>			5. OWNERSHIP		
2c. CITY <b>Miami</b>		2d. STATE <b>FL</b>	2e. ZIP CODE <b>33147</b>		a. TYPE <b>Corporation</b>
6a. POINT OF CONTACT NAME AND TITLE <b>Ann McNeill, President</b>			b. SMALL BUSINESS STATUS <b>DBE, WBE, SBE</b>		
6b. TELEPHONE NUMBER <b>305-693-4344</b>		6c. E-MAIL ADDRESS <b>president@mcoconstructio n.net</b>			
8a. FORMER FIRM NAME(S) (if any)			8b. YR. ESTABLISHED <b>1993</b>		8c. DUNS NUMBER <b>174367540</b>

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
<b>01</b>	<b>Administrative</b>	<b>2</b>			<b>Construction Management and Consulting</b>	<b>5</b>
<b>02</b>	<b>Field Personnel</b>	<b>18</b>				
<b>03</b>	<b>Scheduler</b>	<b>1</b>				
<b>04</b>	<b>Estimator</b>	<b>2</b>				
<b>05</b>	<b>Project Manager</b>	<b>1</b>				
	Other Employees					
	<b>Total</b>	<b>24</b>				

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)	a. Federal Work	<b>2</b>	PROFESSIONAL SERVICES REVENUE INDEX NUMBER 1. Less than \$100,000                          6. \$2 million to less than \$5 million 2. \$100,000 to less than \$250,000          7. \$5 million to less than \$10 million 3. \$250,000 to less than \$500,000          8. \$10 million to less than \$25 million 4. \$500,000 to less than \$1 million           9. \$25 million to less than \$50 million 5. \$1 million to less than \$2 million         10. \$50 million or greater			
	B. Non-Federal Work	<b>4</b>				
	c. Total Work	<b>6</b>				

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE	b. DATE <b>2/18/14</b>
c. NAME AND TITLE <b>Ann McNeill, President</b>	

# Qualifications of the Project Team





**PRINCIPAL-IN-CHARGE (PIC)**

Rudy M. Ortiz, PE, CGC

**PROJECT MANAGERS**

Patrick Pedigo  
 Jose Moreno  
 Scott Fink  
 Wade Martin, CCP, CVS, RPA, LEED

**TECHNICAL ADVISORS AND QA/QC**

Ashish Kumar, PhD, PE, CCE  
 Glenn Wilcox, CEP

**MECHANICAL /  
 ELECTRICAL / PLUMBING /  
 FIRE PROTECTION**

Jose Moreno  
 Scott Fink  
 Sergio Santana, CPE  
 Frederick Adams  
 Wade Martin, CCP, CVS,  
 RPA, LEED  
 Patrick Pedigo  
 Philippe Eustache  
 Dennis Logarzo

**CIVIL / ROADWAY /  
 ENVIRONMENTAL**

Jose Moreno  
 Scott Fink  
 Sergio Santana, CPE  
 Wade Martin, CCP, CVS,  
 RPA, LEED  
 Jacquelyn Caro, P.E.  
 David Adler

**STRUCTURAL**

Jose Moreno  
 Scott Fink  
 Sergio Santana, CPE  
 Wade Martin, CCP, CVS,  
 RPA, LEED  
 Patrick Pedigo  
 Keith Warner, G.C.  
 Andreas Kristanto, CCP,  
 MRICS  
 Fabianne Arias  
 Russell McElreath, CCP  
 Miriam Neville

**ARCHITECTURAL / FINISHES**

Jose Moreno  
 Scott Fink  
 Sergio Santana, CPE  
 Emill Noguera  
 Keith Warner, G.C.  
 Wade Martin, CCP, CVS,  
 RPA, LEED  
 Patrick Pedigo  
 Andreas Kristanto, CCP,  
 MRICS  
 Fabianne Arias  
 Russell McElreath, CCP  
 Marcelo Salazar

**VALUE ENGINEERING / LEED  
 SPECIALIST**

Wade Martin, CCP, CVS, RPA,  
 LEED  
 Jose Moreno  
 Scott Fink  
 Sergio Santana, CPE  
 Emill Noguera  
 Jacquelyn Caro, P.E.  
 Keith Warner, G.C.



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME  Rudy M. Ortiz, P.E., CGC	13. ROLE IN THIS CONTRACT  Principal In Charge	14. YEARS EXPERIENCE	
		a. TOTAL 26	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION <i>(City and State)</i> CES Consultants, Inc.			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>  B.S., (Civil Engineering) 1983; City College of New York		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>  Professional Engineer - FL, NY	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Water Works Association (AWWA) Florida Engineer Society (FES) National Society of Professional Engineers (NSPE)			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Fort Lauderdale Water Works 2011 Water, Sewer, Stormwater and Force Main, Fort Lauderdale Florida	2011	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Ortiz served as project principal for the firm responsible for providing construction administration and oversight for the installation of various infrastructure improvements. CES staff are placed on a full time basis to observe several work crews in various stages of completion. We then produce daily reports that the client can use towards payment requisition verification, schedule compliance, work site safety, and verification of construction adhering to the design specifications.		
East Miramar Redevelopment Transmission & Distribution Water Main Improvements Phase III, Miramar, Florida	2008	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Ortiz provided services in monitoring the design of approximately 72,000 L.F. of 6-inch water main and services for the City of Miramar, including a directionally drilled 8-inch Ductile Iron Pipe section of 120 L.F. The functionality of the design is for improved fire protection throughout the neighborhoods, which currently has 2-inch and 4-inch water mains.		
Broward County Anion Exchange Treatment Facility WTP 1A – 3701 North State Road, Florida	2006	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Ortiz as project principal for this project provided a complete design for a new anion exchange facility for WTP 1A. CES staff is tasked with the development of the following components of this design: Paving and Grading Plans, Drainage Design and Plans, Pavement Markings Plan and Permitting.		
SW 27th Ave from US-1 to Bayshore Drive, Miami-Dade, Florida	2011	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Ortiz as Project Principal is currently responsible for the engineering analysis and design services for a closed storm water drainage system along SW 27th Avenue between South Dixie Highway and South Bayshore Drive. The project consists of widening this stretch of roadway measuring approximately 0.75 miles.		
Miami Dade County Water & Sewer Department Pipeline Design 8-inch DIP Water Main, Miami, Florida	2006	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Ortiz was the principal for the assessment and design of over 3,000 feet of 8-inch water distribution pipeline for the Miami-Dade Water and Sewer Department. The services provided included quality control and project coordination with the Master Consultant, WASD, and permitting agencies. Additional services included project activities scheduling, preparation of engineering cost estimates, and coordination with other stakeholders.		

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**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Frederick J. Adams, Sr.</b>	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL <b>25</b>	b. WITH CURRENT FIRM <b>&lt;1</b>
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc., Hollywood, FL</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>Electrical Engineering Technology/Drafting</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>New Doha International Airport (NDIA), Doha, Qatar</b>	<b>2011</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Project value US \$10.3 Billion. A green field project built on an eventual 800,000 square meters of reclaimed land that will house a 590,000 square meter, 66 gate passenger terminal complexes (PTC) capable of accommodating 48,000 million passengers per year with support facilities, catering building and aircraft maintenance hangars, an 85 meter air traffic control tower and multiple central utility plants. Reviewed and evaluated estimates submitted by design consultants and general contractors. Generated weekly reports; developed interface CP matrix; participated in STARRT Champion Tours (job safety)		
b.	<b>McCarran International Airport, Las Vegas, Nevada</b>	<b>2009</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm The work included a new \$2.5 Billion, 186,000 square meter Terminal 3 and associated apron and a central utility plant as well as a \$130 Million consolidated rental car facility an eight level parking structure, a recirculation of roadway system, permanent power duct banks and an automated people mover. Reviewed and evaluated estimates submitted by design consultants and general contractors		
c.	<b>Miami International Airport Capital Improvement Program (CIP) Miami, Florida</b>	<b>2005</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Project consisted of \$6.2 Billion in airport improvements, including but not limited to adding 465,000 square meters to the terminal and concourses, a fourth runway, central utility chiller plant, automated people mover and rental car facility. Developed construction cost estimates for \$4.8 billion Capital Improvement Program – Miami-Dade International airport		
d.	<b>Atlanta Hartsfield/Jackson 5<sup>th</sup> Runway Development Program, Atlanta, GA</b>	<b>2003</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Project consisted of \$1.2 Billion new fifth runway, including new 585 ft. tall control tower, new, automated people mover and future rental car facility. Generated construction cost estimates for \$5.4 billion Hartsfield Development Program – Atlanta International Airport/ Confirmed high level of developed quantities for completeness and reasonableness		
e.	<b>New Atlanta Hartsfield (JACKSON) International Airport, Atlanta GA</b>	<b>1980</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Project consisted of \$500 Million new airport terminal capable of handling up to 55 million passengers per year including four new concourses, a future fourth runway and other improvements. Directed repartition of cost		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Scott Fink</b>	13. ROLE IN THIS CONTRACT Estimator	14. YEARS EXPERIENCE	
		A. TOTAL <b>25</b>	B. WITH CURRENT FIRM <b>3</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> CES Consultants, Hollywood, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BS, Building Construction		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> General Contractors License	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Miami Dade Aviation Department Professional Cost Estimating Services, Miami, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES In Progress	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The cost estimating services related to and used in connection with construction projects, proposed construction projects and construction projects in the design stage as part of Miami Dade County's airport system. Mr. Fink serves as an estimator on this project. Cost is \$4,000,000.00.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>North Terminal Consolidated Development Program Miami International Airport, Miami, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction of one-mile long North Terminal gates, which will house 39 new international/domestic gates, joining the 11 gates already in operation; gate assignment tower; 400,000 square foot Federal Inspection; rooftop automated people move; and four common areas, featuring concessions and passenger lounges. Mr. Fink served as a Senior Lead Cost Estimator on this project. Cost -\$150 million.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Great Florida Back Center Davie, FL</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction a new strip mall. Mr. Fink served as a construction manager on this project. Cost - \$6,000,000.00.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Jose Moreno</b>		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
				a. TOTAL <b>22</b>	b. WITH CURRENT FIRM
15. FIRM NAME AND LOCATION (City and State) <b>CES Consultants, Inc. Hollywood, FL</b>					
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Building Construction Management</b>			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>American Society of Professional Estimators (ASPE)</b>					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Miami-Dade County Metrorail Orange Line Connector-Airport Link, Miami, FL</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provide pre-construction, hard-bid and post-award cost estimating services for 3-mile Metrorail Link project. Develop quantity estimate & bid tabulation during hard bid process. Implement change-management cost control during construction phase for Electrical Controls System.		
b.	<b>Broward County Courthouse, Fort Lauderdale, FL</b>	<b>2011</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provide hard-bid cost estimating services for multi-story public courthouse. Develop quantity estimate & bid tabulation during hard bid process. Submit RFP with client.		
c.	<b>Miami-Dade County Children's Courthouse, Miami, FL</b>	<b>2010</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provide hard-bid cost estimating services for multi-story public courthouse. Develop quantity estimate & bid tabulation during hard bid process. Submit RFP with client.		
d.	<b>Florida Power &amp; Light Auditorium</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provide conceptual cost estimating for state-of-the-art multi function business auditorium. Work with Design Team from design development drawings. Produce cost estimate for FPL facilities and planning division		
e.	<b>Hialeah Preston Water Treatment Plant, Hialeah, FL</b>	<b>2010</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provide pre-construction and conceptual budget estimating under program management contract. Develop cost unit prices to implement with budget estimate. Implement budget costs as design revisions occur. Submit cost estimates to Program Manager.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Emill Noguera</b>		13. ROLE IN THIS CONTRACT Architectural Senior Cost Estimator		14. YEARS EXPERIENCE	
				a. TOTAL 12	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION (City and State) CES Consultants, Inc. Hollywood, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) MS, Construction Management			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>ICIMCA General Municipal Cost Estimation, Valencia, Venezuela</b>	2010	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Technical Director.</b> Managed more than 50 small public work projects, including: community center and park projects, fencing, urban and restoration projects under contracts with the City of Valencia (Venezuela); the total revenue was over US\$ 5,000,000. Major duties included: Executed and reviewed the preconstruction phase including cost estimating, scheduling and the bidding process. Supervised construction activities, schedules, subcontractors' progress and materials delivery. Administered preparation and review of submittals, RFI's, change orders and payment applications. Oversaw proper execution of safety and health program.		
b.	<b>Field Engineering for the Valencia Subway System/SIEMENS, Valencia, Venezuela</b>	2006	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Directed the civil engineering operations of the construction of the electrical substation of the Valencia's Subway (Venezuela) under a contract with SIEMENS; the total revenue was approximately US\$ 1,400,000. Supervised construction activities including subcontractors' progress and performance. Controlled procurement, quality of materials and use of equipment. Tracked installed quantities, and performed quantity takeoff for additional work not included in the original contract. Reported to the Project Director on the progress of the project on weekly basis.		
c.	<b>Consmart Construction Services, Miami, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Managing the division of the company that provides estimating consulting services to General Contractors and Subcontractors. Evaluate plans and specifications in order to define scope of work and establish RFI's. Set up bid pools and evaluated subcontractor proposals. Perform takeoffs with Planswift Prepare budgets and conduct value engineering as required. Provide consulting services for preparation of subcontractor purchase orders. Contract administration support in regards with change orders, schedule of value, releases of lien, etc.		
d.	<b>Authentic Construction, Miami, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm Participated in the bidding process of more than 15 projects, including luxury custom homes with areas of no less than 5,000 SQFT and other remodeling/addition projects as well. Performed administrative tasks during the construction phase of the projects. Evaluated plans and specifications in order to define scope of work and establish RFI's. Set up bid pools and evaluated subcontractor proposals. Performed takeoffs with Planswift and prepared budgets. Set up subcontractor purchase orders and prepared change orders.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME Sergio Santana		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
				a. TOTAL 25	b. WITH CURRENT FIRM>1
15. FIRM NAME AND LOCATION (City and State) CES Consultants, Inc. Hollywood, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Mechanical Engineering, University of Havana, 1984			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Certified Professional Estimator (CPE), American Society of Professional Estimators (ASPE), Certified General Contractor, No. CGC1516753. Engineering Intern Certification, No. 1100009171, FL		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Society of Professional Estimators (APSE)					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Senior Estimator Fort Lauderdale International Airport Terminal 4 Gate Replacement – Ft. Lauderdale, FL	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Santana was responsible for all cost estimating tasks related to the new international concourse and its 14 international capable gates, commuter operations, concessions spaces, utility plant, Airport Operations Communications Center (AOCC), Emergency Operations Center (EOC), new security screening checkpoints, demolition of existing apron pavement, and installation of new apron pavement.		
	[ X ] Check if project performed with current firm		
b.	Senior Estimator Miami International Airport Professional Cost Estimating and Scheduling Services – Miami, FL	2008	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Santana was responsible for cost estimating and negotiation services on various tasks of this Capital Improvement Program. He served as the prime consultant for associated scheduling and claims consulting services for the Program.		
	[ ] Check if project performed with current firm		
c.	Senior Estimator Miami International Airport MIA Mover Project – Miami, FL	2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Santana was responsible for preparing cost estimates and providing change order reviews on an as-needed basis to support the Miami Dade Aviation Department (MDAD) regarding the automated people mover (APM) system improvements.		
	[ ] Check if project performed with current firm		
d.	Senior Estimator John F. Kennedy International Airport Delta Terminal Redevelopment Project – New York, NY	2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Santana was responsible for all cost estimating consulting services for budgeting, planning, design, construction, post-construction, and close-out activities and tasks.		
	[ ] Check if project performed with current firm		
e.	Estimator Various Residential and Commercial Projects – United States	2005	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Santana was responsible for the development of all cost estimates for projects related to multi-family residential projects, as well as commercial projects. He successfully prepared the entire cost estimate for a shopping center project (\$2M), as well as clubhouses, warehouses, residential buildings, etc.		
	[ ] Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Fabianne Arias</b>		13. ROLE IN THIS CONTRACT Architectural Senior Cost Estimator		14. YEARS EXPERIENCE	
				a. TOTAL 12	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION (City and State) RIB U.S.COST Miami, Florida					
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Civil Engineering			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Association for the Advancement of Cost Engineering (AACEi) American Society of Professional Estimators (ASPE)					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Terminal 4 Gate Replacement Program - Program Baseline Estimate, Fort Lauderdale-Hollywood International Airport</b>	2011	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Fabianne assisted in developing a comprehensive program baseline estimate for the T4 Gate Replacement Program. Provided program scope verification through discussions with PMO and the AE, determining an appropriate Work Breakdown Structure, assisted in leading the comprehensive estimating effort that involved all elements of Terminal and Concourse building renovation and construction.		
b.	<b>Neighborhood No. 5 / La Gorce Right of Way Infrastructure Improvement, City of Miami Beach, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Fabianne provided estimates for the complete replacement and upgrades to the potable water distribution and storm water drainage systems, replacement of existing asphalt streets and driveways to correct water ponding conditions. Also included was the addition of ADA ramps at a majority of street intersections, landscaping, new pavement markings, select sidewalk replacements and correction of recorded encroachments onto public areas.		
c.	<b>Crimson Tower Condominium Miami, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Independent Cost Estimate. Residential building including three townhomes on the ground floor, 80 apartment units of different sizes and shapes from the 8 <sup>th</sup> level to the 15 <sup>th</sup> level and an attached 144 space parking garage located from the 3 <sup>rd</sup> level to 7 <sup>th</sup> level. Building amenities include meeting rooms, cyber café, gym, lobby area, sales office and swimming pool at Level 8.		
d.	<b>Architectural Port of Miami Cruise Terminal A &amp; Parking Structure, Miami, Florida</b>	2009	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Fabianne provided programming level cost estimates for the cruise terminal building (132,000 SF), elevated parking structures (total 3000 spaces), pedestrian bridges, Roadway / surface parking improvements including extension of the existing Cruise Blvd.		
e.	<b>Sullivan Park Expansion City of Deerfield Beach, Florida</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Fabianne is providing cost estimating services at the Programming Phase, Schematic, Design Development, 50% CD and 100% CD phases in support of the rehab, reno and expansion of existing Sullivan Park including boat dock and seawall modifications.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Philippe Eustache</b>	13. ROLE IN THIS CONTRACT <b>MEP Senior Cost Estimator</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>15</b>	b. WITH CURRENT FIRM <b>9</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>RIB U.S.COST Miami, Florida</b>			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>BS, Electrical Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> <b>Association for the Advancement of Cost Engineering International (ACEi) Project Management Institute (PMI)</b>			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Constructability, Cost and Value Engineering Review Services, City of Miami Beach, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>MEP Senior Cost Estimator.</b> Philippe provides MEP cost estimating services for this prime contract to assist the city to more precisely identify capital budget requirements. Accurately identifying the monetary requirements for construction allows the City to forecast the monies required prior to issuance of any necessary construction bonds and/or capital budget requirements.		
b.	<b>Crimson Tower Condominium Miami, Florida</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>MEP Senior Cost Estimator.</b> Philippe covered MEP components for an Independent Cost Estimate on this residential development that includes duplex townhomes on the ground floor, apartment units of different sizes and shapes from the 8 <sup>th</sup> level to the 15 <sup>th</sup> level and an attached parking garage located from the 3 <sup>rd</sup> level to 7 <sup>th</sup> level. Building amenities include meeting rooms, cyber café, gym, lobby area, sales office and swimming pool at Level 8.		
c.	<b>Scott Rakow Youth Center Ice Rink City of Miami Beach, Florida</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>MEP Senior Cost Estimator.</b> Philippe provided detailed cost estimates for all MEP components at 50%, 90% and 100% Design Stages.		
d.	<b>Port of Miami Cruise Terminal A &amp; Parking Structure Miami, Florida</b>	<b>2009</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>MEP Senior Cost Estimator.</b> Philippe provided programming level cost estimates for the cruise terminal building (132,000 SF), elevated parking structures (total 3000 spaces), pedestrian bridges, Roadway / surface parking improvements including extension of the existing Cruise Boulevard.		
e.	<b>Terminal 4 Gate Replacement Program - Program Baseline Estimate, Fort Lauderdale-Hollywood International Airport</b>	<b>2011</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>MEP Senior Cost Estimator.</b> Philippe developed the MEP components in this comprehensive program baseline estimate for the T4 Gate Replacement Program. Provided program scope verification through discussions with PMO and the AE, determining an appropriate Work Breakdown Structure.		



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Andreas Kristanto, CCP, MRICS</b>		13. ROLE IN THIS CONTRACT <b>Structural Senior Cost Estimator</b>		14. YEARS EXPERIENCE	
				a. TOTAL <b>15</b>	b. WITH CURRENT FIRM <b>9</b>
15. FIRM NAME AND LOCATION (City and State) <b>RIB U.S.COST Atlanta, GA</b>					
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering MS, Construction Management</b>			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Certified Cost Professional, CCP</b>		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Association for the Advancement of Cost Engineering International (AACEi) Member, Royal Institute of Chartered Surveyors</b>					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>John F. Kennedy Center for the Performing Arts Washington, DC</b>	<b>2010</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Structural Senior Cost Estimator.</b> Andreas provided independent check estimates and estimate reconciliation for the structural and MEP systems modernization.			
b.	<b>National Park Service Nationwide A/E Services for Historic Structures</b>	<b>Ongoing</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Structural Senior Cost Estimator.</b> Andreas provides structural cost estimating services for the A/E Services IDIQ Contract for the U.S. Department of the Interior, National Park Service. Services also include life cycle costing and value engineering			
c.	<b>Fine Arts Building Renovation Fairfax, Virginia</b>	<b>2010</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Structural Senior Cost Estimator.</b> Andreas provided structural cost estimating services for an existing, two-story building of approximately 32,500 GSF which was renovated on the Fairfax Campus of George Mason University. The renovated building now houses a variety of performance art disciplines including theater and music.			
d.	<b>Port of Miami Cruise Terminal A &amp; Parking Structure, Miami, Florida</b>	<b>2010</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Structural Senior Cost Estimator.</b> Andreas provided conceptual cost estimates for the structural components of the Programming effort. Construction of a 125,000 SF cruise terminal building, two elevated parking structures, access roadway, intermodal parking area, surface parking improvements including extension of the existing boulevard, minor demo and site clearing, and pedestrian bridges.			
e.	<b>Biloxi Community Center, Library and Multi-Use Facility Biloxi, Mississippi</b>	<b>2009</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Structural Senior Cost Estimator.</b> Andreas provided structural cost estimating for the rebuilding of Biloxi after Hurricane Katrina. Included new 70,527 SF facility providing a community center, public library and multi-use facility; provides venue to be used for public gatherings as well as leased for private receptions and programs such as Mardi Gras balls, and; creates outdoor plaza supporting the desired goal of restoring the pedestrian scale.			

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Andreas Kristanto, CCP, MRICS</b>		13. ROLE IN THIS CONTRACT <b>Structural Senior Cost Estimator</b>		14. YEARS EXPERIENCE	
				a. TOTAL <b>15</b>	b. WITH CURRENT FIRM <b>9</b>
15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>RIB U.S.COST Atlanta, GA</b>					
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>BS, Civil Engineering MS, Construction Management</b>			17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> <b>Certified Cost Professional, CCP</b>		
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> <b>Association for the Advancement of Cost Engineering International (ACEi) Member, Royal Institute of Chartered Surveyors</b>					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>John F. Kennedy Center for the Performing Arts Washington, DC</b>	<b>2010</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Structural Senior Cost Estimator.</b> Andreas provided independent check estimates and estimate reconciliation for the structural and MEP systems modernization.			
b.	<b>National Park Service Nationwide A/E Services for Historic Structures</b>	<b>Ongoing</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Structural Senior Cost Estimator.</b> Andreas provides structural cost estimating services for the A/E Services IDIQ Contract for the U.S. Department of the Interior, National Park Service. Services also include life cycle costing and value engineering			
c.	<b>Fine Arts Building Renovation Fairfax, Virginia</b>	<b>2010</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Structural Senior Cost Estimator.</b> Andreas provided structural cost estimating services for an existing, two-story building of approximately 32,500 GSF which was renovated on the Fairfax Campus of George Mason University. The renovated building now houses a variety of performance art disciplines including theater and music.			
d.	<b>Port of Miami Cruise Terminal A &amp; Parking Structure, Miami, Florida</b>	<b>2010</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Structural Senior Cost Estimator.</b> Andreas provided conceptual cost estimates for the structural components of the Programming effort. Construction of a 125,000 SF cruise terminal building, two elevated parking structures, access roadway, intermodal parking area, surface parking improvements including extension of the existing boulevard, minor demo and site clearing, and pedestrian bridges.			
e.	<b>Biloxi Community Center, Library and Multi-Use Facility Biloxi, Mississippi</b>	<b>2009</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Structural Senior Cost Estimator.</b> Andreas provided structural cost estimating for the rebuilding of Biloxi after Hurricane Katrina. Included new 70,527 SF facility providing a community center, public library and multi-use facility; provides venue to be used for public gatherings as well as leased for private receptions and programs such as Mardi Gras balls, and; creates outdoor plaza supporting the desired goal of restoring the pedestrian scale.			

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Dennis Longarzo</b>	13. ROLE IN THIS CONTRACT <b>Electrical Senior Cost Estimator</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>42</b>	b. WITH CURRENT FIRM <b>5</b>
15. FIRM NAME AND LOCATION (City and State) <b>RIB U.S.COST Miami, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>AS, Business Management</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Association for the Advancement of Cost Engineering International (AACE) Project Management Institute (PMI)</b>			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Sullivan Park Expansion City of Deerfield Beach, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[ X ] Check if project performed with current firm	
<b>Electrical Senior Cost Estimator.</b> Dennis is providing electrical cost estimating services at the Programming Phase, Schematic, Design Development, 50% CD and 100% CD phases in support of the rehab, reno and expansion of the existing park including boat docks and seawall modifications.			
b.	<b>Capital Improvement Program, Fort Lauderdale-Hollywood International Airport, Fort Lauderdale, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[ X ] Check if project performed with current firm	
<b>Electrical Senior Cost Estimator.</b> Dennis is providing electrical estimating services the total program cost estimate, program budget estimate, on-call estimating services and value analysis.			
c.	<b>Scott Rakow Youth Center – Ice Rink City of Miami Beach, Florida</b>	<b>2012</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[ X ] Check if project performed with current firm	
<b>Electrical Senior Cost Estimator.</b> Dennis provided detailed Cost Estimates for electrical components at 50%, 90% and 100% Design Stages.			
d.	<b>Port of Miami Cruise Terminal A &amp; Parking Structure Miami, Florida</b>	<b>2009</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[ X ] Check if project performed with current firm	
<b>Electrical Senior Cost Estimator.</b> Dennis provided electrical programming level cost estimates for the cruise terminal building (132,000 SF), elevated parking structures (total 3000 spaces), pedestrian bridges, Roadway / surface parking improvements including extension of the existing Cruise Boulevard.			
e.	<b>Crimson Tower Condominium Miami, Florida</b>	<b>2012</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[ X ] Check if project performed with current firm	
<b>Electrical Senior Cost Estimator.</b> Dennis provided electrical estimating for the Independent Cost Estimate. Development that includes townhomes, apartment units and an attached parking garage. Building amenities include meeting rooms, cyber café, gym, lobby area, sales office and a swimming pool at Level 8.			

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Wade Martin, CCP, CVS, RPA, LEED AP</b>		13. ROLE IN THIS CONTRACT <b>LEED Cost Estimating Specialist / Value Engineer</b>		14. YEARS EXPERIENCE	
				a. TOTAL <b>30</b>	b. WITH CURRENT FIRM <b>25</b>
15. FIRM NAME AND LOCATION (City and State) <b>RIB U.S.COST Atlanta, Georgia</b>					
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Design in Architecture</b>			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Certified Value Specialist, CVS Certified Cost Professional, CCP; LEED AP</b>		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Association for the Advancement of Cost Engineering International (AACEi) Society of American Value Engineering (SAVE)</b>					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Office of Management and Budget (OMB) New York, New York</b>	<b>Ongoing</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>LEED Certified Cost Management/Value Engineer.</b> Wade provides ongoing value engineering services (including Economic and Life Cycle Cost Analyses) in support of the Office of Management and Budget, New York, NY. Projects vary in size and scope and include data centers, medical facilities, administrative buildings and educational facilities. <u>All projects within the last five years are LEED certified methodology.</u>		
b.	<b>IDIQ Contract for Cost Estimating &amp; Engineering Services USACE Jacksonville District</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>LEED Certified Cost Estimator and Value Engineer.</b> Wade served on a 3-year IDIQ Contract for cost estimating, cost and schedule risk analyses, construction scheduling, and construction cost market analyses. The contract is structured to handle multiple task orders simultaneously with varied job descriptions on LEED certified projects.		
c.	<b>IDIQ Contract for Ongoing AE Services USACE Baltimore District</b>	<b>2011</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>LEED Cost Management Services.</b> Wade was part of the A/E team retained by the USACE, Baltimore District to provide ongoing, <u>LEED certified, multi-discipline services.</u> Projects are located primarily in the AOR of the Baltimore District. Involves a wide range of project scopes, multiple task orders, classified and unclassified projects.		
d.	<b>Life Cycle Cost Analyses (LCCA) for HVAC System Alternatives, USACE</b>	<b>2011</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>LEED Certified Economic/Life Cycle Cost Analyst.</b> Wade Martin conducted LCCA for HVAC alternatives on the following facility types: A seven Company Operations Facility (COF); A Battalion Headquarters Building; A Brigade Equipment Maintenance Facility (TEMF). Each LCCA analyzed four HVAC system alternatives for each facility type.		
e.	<b>NAVFAC, Atlantic Division IDIQ Contract for Cost Engineering</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>LEED Certified Cost Engineer and Life Cycle Cost Analyst.</b> Wade provided cost engineering services in support of <u>LEED projects</u> of various type and size.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Russell McElreath, CCP</b>		13. ROLE IN THIS CONTRACT Architectural Senior Cost Estimator		14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 5		
15. FIRM NAME AND LOCATION (City and State) RIB U.S.COST Dallas, Texas					
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Construction Management			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Certified Cost Professional, CCP		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Association for the Advancement of Cost Engineering International (ACEi) Society of American Military Engineers (SAME)					

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Raleigh National Cemetery Rehabilitation Raleigh, North Carolina</b>	2011	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Russell provided architectural cost estimating services at 30%, 75%, 90%, and 100% construction document submissions. The scope was to rehabilitate masonry boundary walls. Included the repair and/or replacement of stone piers which support the entry gate to provide a wider entrance to the grounds.		
b.	<b>Orlando International Airport, South Airport APM Complex Orlando, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Russell provided architectural cost estimating services on the South Airport APM Complex program development to check the budget. Program elements consisted of a new APM extension, commuter rail extension, parking structures, intermodal terminal and supporting site infrastructure.		
c.	<b>Biloxi Community Center, Library and Multi-Use Facility Biloxi, Mississippi</b>	2009	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Russell provided architectural cost estimating services for this project which contributed to the rebuilding of Biloxi after Hurricane Katrina. Scope included new community center, public library and multi-use facility and outdoor plaza.		
d.	<b>National Park Service Nationwide A/E Services for Historic Structures</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Russell provides architectural cost estimating services, and life cycle costing and value engineering support services. Projects are located within the National Capital Region.		
e.	<b>John F. Kennedy Center for the Performing Arts Washington, DC</b>	2010	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Architectural Senior Cost Estimator.</b> Russell provided estimating services for architectural components for Independent check estimates and estimate reconciliation for a budget cost estimate.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME <b>Miriam Neville</b>	13. ROLE IN THIS CONTRACT <b>Structural Senior Cost Estimator</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>16</b>	b. WITH CURRENT FIRM <b>5</b>
15. FIRM NAME AND LOCATION (City and State) <b>RIB U.S.COST Miami, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BAST, Construction Technology AAS, Mechanical Engineering Technology Construction Management and Civil Engineering Construction Management Business Management and International Relations</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Association for the Advancement of Cost Engineering (AACEi)</b>			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Professional Cost Estimating and Scheduling Services Miami International Airport, Miami, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>a. Structural Senior Cost Estimator.</b> Prime contract to provide cost estimating, scheduling and claims consulting services for the CIP for MIA. Miriam serves as a structural estimator and Claims Analyst and her responsibilities include change order estimating and negotiation, review of contractor delay claims including costs related to escalation, acceleration, delay due to site access, and inefficiency due to unskilled labor force.		
<b>Miami Orange Line and Earlington Heights Connector Miami, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
<b>b. Structural Senior Cost Estimator.</b> The \$360M project consisted of Post-tensioned guide way on concrete piers, state-of-the-art steel panel canopy station, bus plaza, escalator and access systems, signalization, site utilities, earthwork and extensive new Landscape and landscape renovation, site irrigation and grading. The landscape package was scheduled at just over \$1.9M.		
<b>North Terminal Development Program Miami International Airport, Miami, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
<b>c. Structural Senior Cost Estimator</b> for change order management. Includes project control services to establish the accurate financial impact on each of the phases of the Program. Change Order Evaluation and Claims Management. Miriam serves as the change order coordinator managing and disseminating information to the estimating team, reviewing and estimating civil, architectural and structural changes, and negotiating change orders.		
<b>Port of Miami Cruise Terminal A &amp; Parking Structure Miami, Florida</b>	<b>2009</b>	<b>N/A</b>
<b>d. Structural Senior Cost Estimator.</b> Miriam assisted in providing structural programming level cost estimates for the cruise terminal building (132,000 SF), elevated parking structures (total 3000 spaces), pedestrian bridges, Roadway / surface parking improvements including extension of the existing Cruise Boulevard.		
<b>Sullivan Park Expansion City of Deerfield Beach, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
<b>e. Structural Senior Cost Estimator.</b> Miriam assists in providing structural cost estimating services at the Programming Phase, SD, DD, 50% CD and 100% CD phases. Includes rehab, reno and expansion of the existing Sullivan Park including boat dock and seawall modifications.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME <b>Patrick Pedigo</b>	13. ROLE IN THIS CONTRACT Architectural Senior Cost Estimator	14. YEARS EXPERIENCE <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">a. TOTAL <b>13</b></td> <td style="width: 50%;">b. WITH CURRENT FIRM <b>10</b></td> </tr> </table>		a. TOTAL <b>13</b>	b. WITH CURRENT FIRM <b>10</b>
a. TOTAL <b>13</b>	b. WITH CURRENT FIRM <b>10</b>				
15. FIRM NAME AND LOCATION (City and State) <b>RIB U.S.COST Miami, Florida</b>					
16. EDUCATION (DEGREE AND SPECIALIZATION) BS, Aviation Technology/Construction Management		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) CEP, Certified Estimating Professional			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Association for the Advancement of Cost Engineering International (AACE) American Society of Professional Estimators (ASPE) Construction Management Association of America (CMAA)					

### 19. RELEVANT PROJECTS

#	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Neighborhood No. 5 / La Gorce Right of Way Infrastructure Improvement, City of Miami Beach, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Architectural Senior Cost Estimator.</b> Patrick provided architectural estimates for the complete replacement and upgrades to the potable water distribution and storm water drainage systems, replacement of existing asphalt streets and driveways to correct water ponding conditions.		
b.	<b>Rosenstiel School of Marine &amp; Atmospheric Science, Marine Technology &amp; Life Sciences Seawater Complex, University of Miami; Miami, Florida</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Architectural Senior Cost Estimator.</b> Patrick provides architectural cost estimating services including background review of project documents including drawings, FMP contract and original project schedule, cost review of SUSTAIN COP for change in tank construction. Also included is negotiation support to UM and schedule analysis including review of the current schedule for float and critical path analysis.		
c.	<b>Scott Rakow Youth Center – Ice Rink City of Miami Beach, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Architectural Senior Cost Estimator.</b> Patrick provided architectural detailed cost estimates at 50%, 90% and 100% Design Stages.		
d.	<b>Truman Waterfront Park Key West, Florida</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Architectural Senior Cost Estimator.</b> Patrick provided architectural estimates for this project featuring 23 acres of developed waterfront property for mixed use, retail, parks and cruise port.		
e.	<b>Terminal 4 Gate Replacement Program - Program Baseline Estimate, Fort Lauderdale-Hollywood International Airport</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;">[ X ] Check if project performed with current firm</span> <b>Architectural Senior Cost Estimator.</b> Patrick assisted in the development of a comprehensive program baseline estimate for the T4 Gate Replacement Program. Provided architectural program scope verification through discussions with PMO and the AE, determining an appropriate Work Breakdown Structure, lead the comprehensive estimating effort that involved all elements of terminal and concourse building renovation and construction.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME <b>Marcelo Salazar</b>	13. ROLE IN THIS CONTRACT Architectural Cost Estimator	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) RIB U.S.COST Miami, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) MS, Engineering and Technology Management BS, Industrial Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Association for the Advancement of Cost Engineering International (AACE) American Society of Professional Estimators (ASPE)			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	<b>Capital Improvement Program, Fort Lauderdale-Hollywood International Airport, Fort Lauderdale, Florida</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Architectural Cost Estimator.</b> Marcelo is providing architectural estimating services the total program cost estimate, program budget estimate and on-call estimating services.		
b.	<b>Neighborhood No. 5 / La Gorce Right of Way Infrastructure Improvement, City of Miami Beach, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Architectural Cost Estimator.</b> Marcelo provided architectural estimating services for this complete replacement and upgrade to the potable water distribution and storm water drainage systems, replacement of existing asphalt streets and driveways to correct water ponding conditions. Also included in the project scope is the addition of ADA ramps at a majority of street intersections, landscaping, new pavement markings, select sidewalk replacements and correction of recorded encroachments onto public areas.		
c.	<b>Scott Rakow Youth Center Ice Rink City of Miami Beach, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Architectural Cost Estimator.</b> Marcelo provided detailed architectural cost estimating services at 50%, 90% and 100% Design Stages.		
d.	<b>Truman Waterfront Park Key West, Florida</b>	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Architectural Cost Estimator.</b> Marcelo provides architectural masterplan programming estimates for this project featuring 23 acres of developed waterfront property for mixed use, retail, parks, and cruise port.		
e.	<b>Crimson Tower Condominium Miami, Florida</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [ X ] Check if project performed with current firm <b>Architectural Cost Estimator.</b> Marcelo assisted with architectural components in preparing an Independent Cost Estimate for this Development which included townhomes, apartments, an attached parking garage, meeting rooms, cyber café, gym, lobby area, sales office and a swimming pool at Level 8.		

Qualification of the Project Team



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Richard "Glenn" Wilcox, CEP</b>		13. ROLE IN THIS CONTRACT <b>QA/QC</b>		14. YEARS EXPERIENCE	
				a. TOTAL <b>26</b>	b. WITH CURRENT FIRM <b>20</b>
15. FIRM NAME AND LOCATION (City and State) <b>RIB U.S.COST Miami, Florida</b>					
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>			17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>CEP, Certified Estimating Professional</b>		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Association for the Advancement of Cost Engineering International (AACE) American Society of Professional Estimators (ASPE) Construction Management Association of America (CMAA)</b>					

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>Neighborhood No. 5 / La Gorce Right of Way Infrastructure Improvement, City of Miami Beach, Florida</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Manager.</b> Glenn served as QQ/QC manager for the complete replacement and upgrades to the potable water distribution and storm water drainage systems, replacement of existing asphalt streets and driveways to correct water ponding conditions. Also included in the project scope is the addition of ADA ramps at a majority of street intersections, landscaping, new pavement markings, select sidewalk replacements and correction of recorded encroachments onto public areas.		
b.	<b>Project Director, Miami International Airport, North Terminal Improvements, Miami FL</b>	<b>Ongoing</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Manager.</b> Glenn is the project director and QA/QC manager for this project consisting of renovations from terminal areas A through C. Because of the need to keep passenger traffic flowing this project is phased, sequenced and coordinated with adjacent North Terminal Development Projects.		
c.	<b>Scott Rakow Youth Center – Ice Rink City of Miami Beach, Florida</b>	<b>2012</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Manager.</b> Glenn provided QA/QC and managed the team that provided detailed cost estimates at 50%, 90% and 100% design stages.		
d.	<b>Crimson Tower Condominium Miami, Florida</b>	<b>2012</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Manager.</b> This project was constructed in downtown Miami. The Crimson Tower is an 18-story, 90,000 SF residential rental multi-family building. It features five townhomes and amenities, and parking on the first 8 floors; and approximately 90 one and two-bedroom units on the upper 10 floors. Glenn provided overall QA/QC.		
e.	<b>Capital Improvement Program, Fort Lauderdale-Hollywood International Airport, Fort Lauderdale, Florida</b>	<b>Ongoing</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>QA/QC Manager.</b> Glenn is providing QA/QC and leading the team in providing the total program cost estimates, budget estimates, on call estimating and value analysis services to FLL.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete one Section E for each key person)

12. NAME <b>Jacquelyn Caro, P.E.</b>	13. ROLE IN THIS CONTRACT <b>Network Administrator &amp; Project Manager</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>9</b>	b. WITH CURRENT FIRM <b>6</b>
15. FIRM NAME AND LOCATION (City and State) <b>Program Controls, Inc, Miami, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Florida International University, Miami, Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida #69360	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Sharepoint and MS Access			

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>North Terminal Development Program at the Miami International Airport (NTD-MIA) Miami, Florida</b>	2006-2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Expansion and renovation of the Miami International Airport (MIA), Concourses A, B, C, D and E into a state of the art 1.3-mile long linear terminal. This project was divided into more than 25 major projects due to the complex and large size it could not have been assigned to just one design or construction company. Services also include coordination the A/E's on alternatives; evaluation of possible alternatives and life-cycle costing, including recommendations for preferred options based on value analysis. Manage project budgets, commitments and cost; process and issue change orders; release of retainage, liens, and punchlists; and all cost reporting.		
b.	<b>Comprehensive Lateral Investigation Program, WASD</b>	2005-2006	N/A
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Investigation into various technologies available for sewer lateral line (public and private) investigation technologies available on the market. Investigation into repair and rehabilitation technologies available; including longevity and implementation for a variety of pipe sizes and classes (DIP, PVC, Clay, etc.). Report and investigation also included interviews with utilities and agencies around the country (at least 10-15 different utilities/programs) to discuss current programs and their successes and short-comings. This included discussions regarding enforcement and options for private home owner portion of the lateral lines		
c.	<b>Needs Assessment Program, (MDWASD) Miami, Florida</b>	2003-2006	N/A
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer.</b> Provided analysis for the entire water and sewer network for each Commission District including the selection of critical needs for improvements of varying cost scales (small water improvement projects of \$50K or providing new sewer systems at \$18M). Development Basis of Design Reports and preliminary schedules/costs for Commissioners to select the projects they wished to implement and then oversee the surveying and design work from 6 engineering firms. Provided assistance in the review of bid documents (plans and specifications) and assistance in the securing of the permits and review of shop drawings.		
d.	<b>FEMA-DORM-Drainage Design, (DERM) Miami, Florida</b>	2002-2003	N/A
	(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Drainage design of exfiltration trenches to meet the 5-year stormwater quality criteria set by DERM. Performed site visits and storm drain inspections. Performed design calculations, review of as-built drawings, prepared AutoCAD designs, cost estimates, reports, bid documents, and assembled bid packages.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person)*

12. NAME <b>Ashish Kumar, Ph.D., P.E., C.C.E.</b>	13. ROLE IN THIS CONTRACT <b>Project Management, Controls &amp; Information Systems</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>24</b>	b. WITH CURRENT FIRM <b>10</b>
15. FIRM NAME AND LOCATION (City and State) <b>Program Controls, Inc Miami, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) Ph.D., Civil Engineering, University of Florida, M.S. Construction Management, School of Planning, , New Delhi, India, B.S. Civil Engineering, Indian Institute of Technology, Kanpur, India		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, Florida #50029 Certified Cost Engineer, AACE International #1793 Advanced Primavera (P6v7) Certification	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>North Terminal Development Program at the Miami International Airport (NTD-MIA) Miami, Florida</b>	1999-2013	N/A
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Managing of Scheduling, Budget, Cost Engineering, Estimating.</b> Coordination of Program Controls information; program reporting; and establishing controls procedures and systems. Maintain WBS, track and control cost baseline, budgets, expenditures, contingency, commitments and trends in the cost system. Additional areas of responsibility include identification of issues affecting program costs and recommending solutions and corrective actions to management; analysis and mitigation of claims and propose recovery plans; estimating to price new and change work, quantify direct and indirect costs, support audit and perform value analysis to select the most cost effective alternative. Also developed MS ACCESS and help implemented SharePoint based systems for effective cost and change control and a centralized database Management Information System for project management and reporting functions.		
<b>Water &amp; Waste Water Projects Atlanta, Georgia &amp; Miami, Florida</b>	2003-2011	N/A
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Chief Estimator &amp; Scheduler.</b> Performed a number of design and detailed estimates, performed value analysis and developed and reviewed construction schedules for potential claim mitigation and avoidance on the following projects. Performed the estimates and value analysis using SUCCESS estimating software at 30% design level, analysis and review		
<b>Project Implementation Report for Everglades Restoration Project West Palm Beach, Florida</b>	2003	N/A
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Chief Scheduler.</b> Responsible for managing the schedule for professional services to develop a Project Implementation Report for \$10 billion Everglades Restoration Project undertaken by South Florida Water Management District (SFWMD) and US Army Corps of Engineers in South Florida. Responsibilities include develop and maintain WBS and schedule using P3e, coordinate survey, modeling and design activities for monthly updates and reporting. Identify issues affecting schedule and recommend corrective actions to the design team.		
<b>Concourse A at the MIA for Miami-Dade Aviation Department Miami, Florida</b>	1998-1999	N/A
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm <b>Senior Construction Engineer.</b> Responsible for construction management and inspection of a \$42 million 10-Gate Concourse at the MIA for Miami-Dade Aviation Department (MDAD). Responsible for ensuring contract compliance and conformance, managing contractor's overall schedule, progress and man-power monitoring for schedule conformance , cost estimating and control, evaluation of change proposals and negotiation, coordination with A/Es, review and management of claims and change orders, review of contractor's request for payment and quality inspection of construction in accordance with the contract documents. Responsibilities also included preparation of a monthly report for MDAD comprising schedule and variance analysis, utilization of resources and cash flow, identification of potential claims and delays, recovery plan and exception reporting.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
*(Complete one Section E for each key person)*

<b>12. NAME</b>		<b>13. ROLE IN THIS CONTRACT</b>		<b>14. YEARS EXPERIENCE</b>	
<b>Keith Warner, G.C.</b>		<b>Estimator</b>		a. TOTAL <b>50</b>	b. WITH CURRENT FIRM <b>6</b>
<b>15. FIRM NAME AND LOCATION (City and State)</b> <b>Program Controls, Inc Miami, Florida</b>					
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> Construction Management, Florida International University, Miami, Florida , General Contractor and Computer Courses, University of Miami, Florida, Quantity Surveying and Estimating, Nottingham Technical College, England, Construction Management, Leicester School of Architecture, England				<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> General Contractor, Florida	
<p><b>Chief Estimator.</b> Lead estimator/Change Manager; review of Potential Work Orders submitted by Managing General Contractor; attended meetings and negotiations with Contractors; supported Miami-Dade Project Managers including performing reviews of scope included on Change Orders and ensuring compliance with drawings. Responsible to advised Miami-Dade Project Managers of problems found on submitted Change Order proposals and listed questions to be forwarded to Managing General Contractor; checked Change Orders for compliance with Contract Documents and Annexes; prepared detailed reviews and wrote Summary Record of Negotiations where required; coordinated the Change Order review process with Cost Engineers to ensure timely reviews. Other responsibilities have included preparation of Budget Costs for the Program. Also assigned to support Alpha Corporation including the reviewing of approximately 200 claims. Prepared detailed cost reports and critiques for Alpha's use in settling claims. Assisted Miami-Dade Attorneys in mediation process.</p>					
<b>(1) TITLE AND LOCATION (City and State)</b>		<b>(2) YEAR COMPLETED</b>			
<b>North Terminal Development Program at the Miami International Airport (NTD-MIA) Miami, Florida</b>		PROFESSIONAL SERVICES 2001-2005	CONSTRUCTION (If applicable) N/A		
<b>(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE</b>		<input type="checkbox"/> Check if project performed with current firm			
<p>b. <b>Chief Estimator.</b> Lead estimator for the North Terminal Development project at Miami International Airport project including apron &amp; runway projects. Prepared ROM estimates for each Revision of drawings including detailed matrix by trade. Reviewed Change requests submitted by contractors. Reviews included validity, presentation, and compliance with Contract Documents. Negotiated all amounts with contractors and wrote CE Letter advising Owner of Change Order value. Processed claims ranging up to \$3 million across all 16 divisions. Documented the review and negotiation process. Coordinated various disciplines involved in the production and execution of Owner Change order. Responded to questions and queries from HNTB (Bond Holders) and from US Cost group who audited Change Orders on Owner's behalf.</p>					
<b>(1) TITLE AND LOCATION (City and State)</b>		<b>(2) YEAR COMPLETED</b>			
<b>General Contractor Florida</b>		PROFESSIONAL SERVICES 1993-2001	CONSTRUCTION (If applicable) N/A		
<b>(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE</b>		<input type="checkbox"/> Check if project performed with current firm			
<p>c. <b>President.</b> Managed all aspects of a construction company as a Florida licensed General Contractor. Responsible for estimates, scheduling, permitting, ordering, compliance with local building codes, and supervision on job site and cost control.</p>					
<b>(1) TITLE AND LOCATION (City and State)</b>		<b>(2) YEAR COMPLETED</b>			
<b>Phase-I Environmental Site Assessments Miami, Florida The Greene Companies</b>		PROFESSIONAL SERVICES 1992-1993	CONSTRUCTION (If applicable) N/A		
<b>(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE</b>		<input type="checkbox"/> Check if project performed with current firm			
<p>d. <b>Chief Estimator/Project Manager.</b> Project engineer for Phase-I Environmental Site Assessments to locate Brownfield areas within the Miami-Dade Empowerment Zones for over thirty (30) properties. This included site visits, research, and reporting.</p>					

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below first, before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Rudy M. Ortiz, PE, CGC		X	X	X	X	X					
Jose Moreno, PE		X	X								
Sergio Santana, CPE		X	X			X					
F. Scott Fink					X	X					
Ashish Kumar, Ph.D, PE, CCE					X					X	
Jacquelyn Caro, PE					X						
Keith Warner, GC					X						
Richard "Glenn" Wilcox, CEP		X	X		X	X	X	X	X		X
Wade Martin, CCP, CVS, RPA, LEED						X					
Andreas Kristanto, CCP, MRICS						X					
Fabianne Arias		X	X			X	X	X	X		X
Dennis Longarzo						X	X	X	X		
Philippe Eustache		X	X			X	X	X			X
Russell McElreath, CCP						X					
Marcelo Salazar						X	X	X			X
Patrick Pedigo, CEP		X	X			X	X	X	X		X
David Adler			X			X					
Miriam Neville			X		X	X			X		
Frederick J. Adams											
Emill Noguera											

29. EXAMPLE PROJECT KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
<b>1</b>	Fort Lauderdale Terminal 4, FLL Airport	<b>6</b>	Capital Improvement Program, FLL Airport
<b>2</b>	Airport Link, Miami Intl	<b>7</b>	Constructability, Cost and Value Engineering, Miami Beach
<b>3</b>	Regional Transportation Center, Jacksonville, FL	<b>8</b>	Sullivan Park Expansion, Deerfield Beach, FL
<b>4</b>	North Terminal Development, Miami Intl	<b>9</b>	Sanitary Sewer Evaluation and Rehabilitation, Atlanta, GA
<b>5</b>	Professional Cost Estimating and Scheduling, Miami Intl	<b>10</b>	Truman Waterfront Park, Key West, FL

# Project Manager's Experience



## Project Manager's Experience

### Jose Moreno

Mr. Jose Moreno has over 20 years of construction cost estimating experience. As a Projects Manager, Mr. Moreno has worked on projects in excess of \$500 million dollars in construction value and worked with municipal government, private developers and local builders.

Mr. Moreno's expertise includes conceptual cost estimating and hard bid preparation on structures, commercial buildings, luxury multi-family residential and public works projects in South Florida. Mr. Moreno experience also includes: utilizing a vast network of subcontractors, suppliers and vendors to keep an up-to-date database of costs and prices; working in various sectors including public, private, commercial, residential, transportation, hi-rise and hotel industries; assisting local contractors in bid preparation and contract buy-out. Assist architects in cost budgeting during design development phases; and managing sub-consultants performing quantity survey.

Mr. Moreno has held purchasing agent and senior estimator responsibilities with large scale contractors such as Turner Construction, Morse Diesel Construction, and Balfour Beatty Construction.

### Scott Fink

Mr. Scott Fink has over 25 years of experience in estimating and project management. He is a certified General Contractor with strong mechanical abilities. Mr. Fink's expertise includes quantity take-off, estimating, bidding, purchasing, cost control, and project management. Mr. Fink's experience also includes FDOT, DERM and well as Fire and Rescue projects.

Mr. Fink lead estimating efforts on major Capital Improvement Projects in South Florida and held senior estimator positions with Turner Construction, Morse Diesel Construction, Stobs Bros. Construction Co., and Balfour Beatty Construction.

### Wade Martin, CCP, CVS, RPA, LEED AP

Wade Martin has been with RIB U.S.COST for more than 25 years serving as LEED certified Project Manager, Cost and Value Engineering / Value Analysis Team Leader, Quality Control/Quality Assurance (QA/QC) Specialist, Scheduler, and / or Architectural Representative on over 300 value engineering studies. He has also managed, prepared and / or served as QA/QC reviewer on over 5,000 cost estimating tasks, economic and risk analyses, construction market studies and constructability reviews.

Wade has served as project manager for course development focusing on the application of LEED sustainable design techniques and has written papers and presentations on the cost of sustainable design. He has developed a risk-based estimating contingency protocol and is guiding his group's efforts in adopting Building Information Modeling data transfer as part of the estimating process.

Wade's involvement in efforts to bring innovative techniques to Cost and Value Studies includes Sustainable Design in Cost and Value Engineering, Value Analysis of Revenue Processes and Procedures, and Value Based Risk Analyses.

Wade has been serving as a team project manager for ongoing LEED certified cost management and value engineering services (including Economic and Life Cycle Cost Analyses) in support of the New York City Office of Management and Budget. Projects vary in size and scope and include parking garages, marine facilities, water and wastewater, above and below ground utilities among others.

Wade served as a project manager on a 3-year IDIQ Contract for cost estimating, cost and schedule risk analyses, construction scheduling, and construction cost market analyses. The contract was structured to handle multiple task orders simultaneously with varied job descriptions. The construction value of projects completed for the Jacksonville District was over \$1.8B.

During 2012 and 2013, Wade served as project manager and principal in charge for Construction Project Controls on the \$108M Hakkasan Restaurant and Nightclub at the MGM Grand in Las Vegas, NV. In his capacity as PM/PIC, Wade developed procedures and implemented policies for change order review, analysis and approval, earned value management approvals for requests for payment, reporting, and schedule monitoring and management.

### Patrick Pedigo, CEP

Patrick Pedigo's 15 years experience in providing construction cost controls includes extensive cost estimating and project management work in the South Florida area. Patrick is a proven cost control leader and currently handles total management of projects on a daily basis.

Patrick's experience includes park and recreation facilities, parking garages, community centers, roadways, convention centers, higher education, new international terminals, and airside improvements. He has acted as an

Owner's Rep to provide Program Level and On Call Estimating Services. Since 2004, Patrick has been highly involved with Miami-Dade County through the Aviation department in providing cost estimating, scheduling, claims management and change order management services.

At Orlando International Airport, Patrick served as Project Manager and managed and developed the Program Level Cost Estimate that was used to set the budget for the \$1.4B South Airport APM Complex Project. This Program included new construction, Terminal & Concourse, Parking Facility, Access Roads, Intermodal Transit Station, APM System, Airfield and Site Development.

Patrick also serves as Project Manager for RIB U.S.COST's prime contract to provide Constructability, Cost and Value Engineering Review Services to the City of Miami Beach, Florida to assist the city to more precisely identify capital budget requirements. RIB U.S.COST accurately identifies the monetary requirements for construction and allows the City to forecast the monies required prior to issuance of any necessary construction bonds and/or capital budget requirements.

Patrick continues to manage the ongoing needs of the Miami International Airport through the current Professional Services contract. His knowledge of previous projects and historical costs is invaluable to the Aviation Department and allows for timely deliverables with exceptional accuracy.



# Approach to Scope of Work



# Approach to Scope of Work

## Understanding of City's Needs

Provide in concise narrative form, your understanding of the City's needs, goals and objectives as they relate to the project.

The City of Fort Lauderdale, the Venice of America, is home to approximately 170,000 and hosts over 12 million visitors each year. The sun, sand, beaches and beauty of the city is what brings visitors and is what keeps residents. Establishing and controlling a multi-million dollar Community Investment Plan budget – and spending it wisely – is of utmost concern for the City. The CES team is eager to assist in controlling the funds spent on these improvements to pedestrian/bike paths, trolleys, roads, bridges, seawalls, parks and neighborhood landscape and entranceways, and more.

## Approach Summary

Provide in concise narrative form your overall approach to accomplishing the project.

The CES Team will begin each assignment with a project plan to provide deliverables within the time frame required by the City. The expectation and requirements for each task assignment will be carefully coordinated with the City's Project Manager to develop the effective and efficient execution plan. This action allows us to commit resources and to respond quickly to keep the task assignments on schedule. We know the importance of our deliverables to the decision making process. Therefore, our ability to plan our work and then work our plan keeps our responsiveness current.

As a general policy, we adhere to practices prescribed by the relevant industry organization for the assigned task such as the Association for the Advancement of Cost Engineers International (AACEI), the Project Management Institute (PMI), and the American Society of Civil Engineers (ASCE), among others. Our staff are certified and / or mentored accordingly.

The CES Team is poised to deliver the best results by:

- Experienced Task Order (TO) management via a team organization that thrives on collaboration, communication and teamwork, along with a commitment to maximizing the use of project budgets by controlling time, cost and risk;
- Quick response capability for each TO with qualified professionals that have the specialized experience and technical competency necessary to swiftly execute each task; and
- Capacity to accomplish the work with in-depth resources to provide multiple and

concurrent TO teams.

Our Project Managers will be supported by a select group of management and technical personnel from our local South Florida offices along with our sub-consultant team member offices both locally and nationwide as necessary. This effort will also be fully supported by in-house computer networks, and iTWO, a 5D BIM application.

## Vision, Ideas and Methodology

Give an overview on your proposed vision, ideas and methodology.

We envision providing the City of Fort Lauderdale with multiple resources available and ready to assist on estimating and cost estimate evaluation tasks as needed and when needed. The reliability and expertise of the entire team is seen both wholly and on an individual basis resulting in consistent, proven results.

## Principal In Charge (PIC)

Our PIC will provide the project managers the appropriate level of responsibility and authority to execute the work, and the necessary resources to smoothly accomplish the goals of each assignment. The PIC will ensure that the team has all of the necessary corporate support, engage our team member subconsultants and assist with implementation measures to properly start-up the contract with the best possible footing. Our PIC's role will be as corporate sponsor to ensure the City's goals are satisfied to the highest degree.

## Project Managers

The success of any significant consulting services contract is most dependent upon the strengths of the Project Managers (PMs). Our designated PMs have extensive accomplishments and experience in the areas of support referenced in the RFQ scope of work. These are talented and highly motivated professionals that will lead the way for the CES Team to provide the City the best possible services.

The PMs will select, assign and supervise the technical staff necessary to complete the work. They will assist the cost estimating personnel in preparing a work plan and schedule. It is generally the PM's responsibility to develop the production manpower requirements for each assignment. The proposal will indicate the man-days required for each necessary discipline, along with required direct expenses. They will also manage risk during the work execution process. During the course of the project planning phase, the PMs and the cost estimating personnel will identify all the anticipated risks on the task. The PMs will assist the estimating staff

ESTIMATE CLASS	Primary Characteristic	Secondary Characteristic			
	LEVEL OF PROJECT DEFINITION Expressed as % of complete definition	END USAGE Typical purpose of estimate	METHODOLOGY Typical estimating method	EXPECTED ACCURACY RANGE Typical +/- range relative to best index of 1 [a]	PREPARATION EFFORT Typical degree of effort relative to least cost index of 1 [b]
Class 5	0% to 2%	Screening or Feasibility	Stochastic or Judgment	4 to 20	1
Class 4	1% to 15%	Concept Study or Feasibility	Primarily Stochastic	3 to 12	2 to 4
Class 3	10% to 40%	Budget, Authorization, or Control	Mixed, but Primarily Stochastic	2 to 6	3 to 10
Class 2	30% to 70%	Control or Bid/Tender	Primarily Deterministic	1 to 3	5 to 20
Class 1	50% to 100%	Check Estimate or Bid/Tender	Deterministic	1	10 to 100

Notes: [a] If the range index value of "1" represents +10/-5%, then an index value of 10 represents +100/-50%.  
[b] If the cost index value of "1" represents 0.005% of project costs, then an index value of 100 represents 0.5%.

Figure 1 – Generic Cost Estimate Classification Matrix

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AACE International Recommended Practices

in preparing contingency plans for all of the identified risks associated with the task including the provision of alternate and additional resources to ensure task performance.

***"A solid Quality Assurance/Quality Control program is at the core of our consulting methodology."***

The PMs will engage the Technical Advisors as the final QA/QC check for all deliverables, reviewing each submission for completeness, accuracy, and understandability. In this, they will utilize comparative analysis of the assigned task with the multiple similar project tasks in our database of specific projects. As anomalies are identified, they will work with the estimating staff to correct or explain the variances.

### Proposed Approach

Describe your proposed approach to the project.

### Planning/Concept Design Estimates

In this critical phase, the important factors are the project requirements. The CES team understands the importance of accurate planning estimates in order to support good, informed decisions regarding Capital Improvement Projects. Activities to address the

requirements from stakeholders are critical to review. Our team is trained to take the initiative to meet with City staff and assist in coordination of meetings to gather requirements, obtain consensus on conflicting issues, and consider alternatives. The results of these efforts will provide a basis from which an outline specification can be generated – in some cases the sections are based on conceptualized systems or from experience with similar projects. This provides the ability to use a scope outline to associate costs and schedule for the hard and soft cost elements of the project. Areas of concern will be identified and evaluated relative to type and degree of risk to document a recommended contingency level.

The early stage Planning and Concept class of estimates will require experience to ensure accuracy and reliability. It is equally important to document the basis for scope and requirements that are absolutely connected to estimated cost. The CES team recognizes the importance of these estimates becoming the basis of the City's budgets. Equally important is for our team to correlate the estimate to a realistic delivery schedule for project phases so that time-based funding projections can be confidently forecasted. Our team understands

the critical nature of the integrated cost / schedule results at the early stages because we know business decisions are made from our results. Our internal systems and knowledge bases allows our staff efficient access from which they

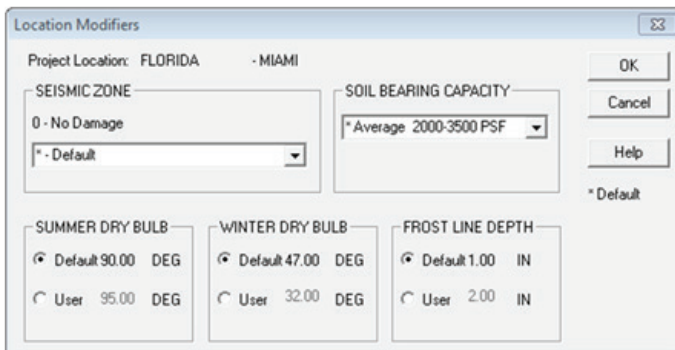
can use to support their scope assessments and related cost factors to facilitate the preparation of the estimate. For example, the CES Team maintains an extensive local construction cost database that will support our staff with scope and cost basis.

Budgets are typically established when the level of project definition is the least. The CES team is an advocate of applying the accepted practices established by AACE International. (See chart to the left)

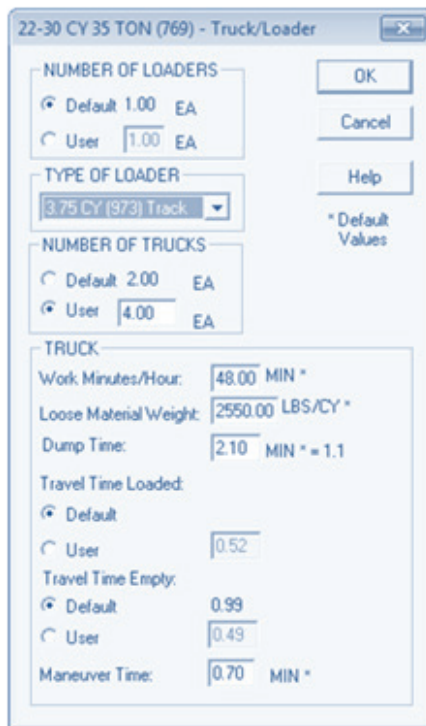
When a project or program does not adhere to these industry practices, the likelihood of budget overruns increases. The project budget may be subject to overruns and time delays simply because the best project and cost management efforts cannot recover from an inaccurate scope, cost and time baseline.

In our practice for concept stage estimates, we define all assumptions, criteria and parameters to establish a scope basis. Our estimators have the experience necessary to identify elements and conditions that need to be included in these conceptual estimates. There are a wide variety of conceptual estimating methods that can be used including parametric modeling.

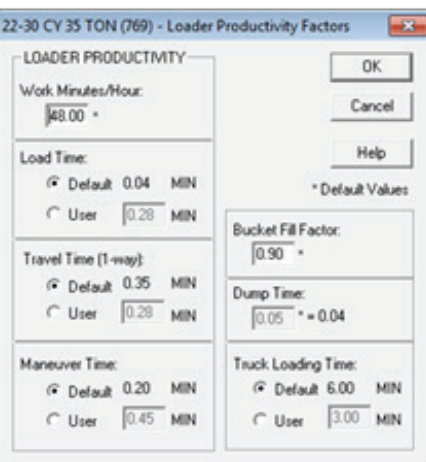
The CES Team is the leader in the design, development and application of parametric models for use in preparing cost estimates in the early planning stages of a variety of facilities. We envision the City engaging with CES Team closely in regards to



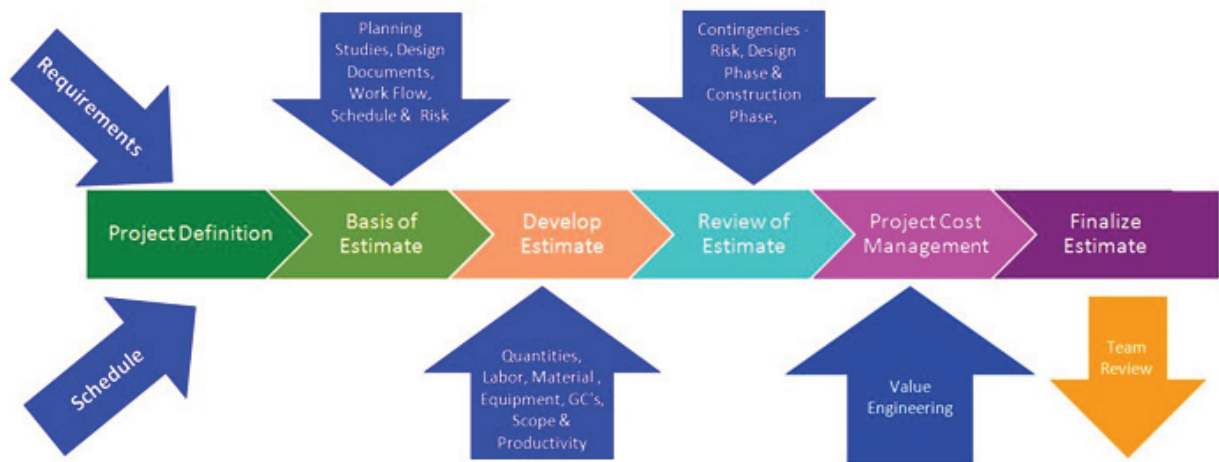
effective use of parametric methods to effectively support the initial business case and to use for validating or cross-checking downstream, detailed estimates. Large organizations are often challenged with how to best implement parametric methods because of the wide spectrum of resources necessary to develop the supporting technical data that provides effective use over a long period of time where relevant factors are in flux. These factors include the end user (professional estimating practitioner, third party, project manager, planner), breadth of scope of the project (new, renovation, maintenance and repair, historical preservation), system selection, location, current technology, contemporary design, sustainability, compliance, safety, phasing, Life Cycle Cost, and many more.



The good news is the CES Team has a rich and successful history of providing long term solutions for the effective use of parametric methods as an integral part of a sustained cost management practice. Our success with parametric methods in providing solutions



and preparing estimates include some of the largest organizations in the world such as the Miami Airport, Procter & Gamble, Naval Facilities Engineering Command, Federal Aviation Administration, Intel, Merck, NASA, Goodyear, Sears, DFW Airport, Atlanta Airport and others. There is not a one size fits all solution or approach for parametric estimating. Hence, should the City wish to use parametric models for planning / concept estimates, we envision providing a recommendation plan that will make practical sense and best use of the many methods relevant to the project and its current lifecycle step.



### Design Stage Cost Estimates

Our approach to Design Stage Cost Estimates is to use design drawings, detailed engineering data and specifications. A quantity take-off is performed from which to establish labor and material costs. This is the most accurate of the Estimate Classifications. These estimates will break down the cost of labor, equipment and material for each work item. Labor costs are often calculated from productivity factors related to the work item. Labor rates are set to match or exceed the prevailing rates for the project area depending on market conditions.

Definitive design stages will typically have drawings and specifications for floor plans, sections, exterior elevations and for some parts of the building, interior elevations, reflected ceiling plans, wall sections and key details. In addition, basic mechanical, electrical, plumbing and fire protection systems will have a similar level of definition.

Our process for developing a Design Stage Cost Estimate is:

1. Prepare project scope basis and project timeline
2. Estimate direct field costs
3. Estimate indirect field cost
4. Estimate home office cost
5. Apply sales tax
6. Analyze and apply escalation
7. Estimate contractor markups for profit, bonds and fees
8. Analyze risk to estimate contingencies
9. Review / validate estimate
10. Present to Owner and reconcile as necessary

In preparing definitive estimates, the breakdown of quantities and unit costs is a matter of

standard practice. For these types of estimates, our library of databases, standard methods, pricing and adjustments to the estimate are all relational to the line item fields. These fields include:

- quantity
- assembly factor
- units of measure (UOM)
- standard man-hours
- difficulty factor
- crew/labor code
- materials
- construction equipment
- fixed equipment
- subcontractor cost
- item code
- professional fees
- taxes
- travel
- tag id
- source reference
- source date
- source location
- BIM code
- OST reference
- Drawing reference
- activity ID
- start date
- end date
- funding curve
- land acquisition
- risk/opp id

Key	SelectionSet	Description	Quantity	UoM
-		<b>ElementPlanning</b>		
20		DPR Sample Element Planning Document		
20.10		Bioscience Research Lab		
20.10.10		<b>BASE BID</b>		
20.10.10.10		LABORATORY BUILDING		
20.10.10.10.10		SUBSTRUCTURE		
20.10.10.10.10.1		STANDARD FOUNDATIONS		
20.10.10.10.10.1		WALL FOUNDATIONS		
20.10.10.10.10.1		WALL FOOTING		
20.10.10.10.10.1C	ConcreteWall Footing	C.I.P. concrete forms, footing, continuous wall, plywood, 4 use, includes erecting, bracing, stripping and cleaning	20,886,000	SFCA
20.10.10.10.10.1C	ConcreteWall Footing	Reinforcing Steel, in place, footings, #4 to #7, Ad15, grade 60, incl labor for	1,207,900	Ton

Whenever Building Information Model (BIM) data is available from the design team, the CES Team is certified in the use of our application named iTwo, which is a 5D BIM software that provides the ability to generate quantities directly from the design objects as illustrated below.

### Construction Market Conditions Analysis

An essential part of the design stage estimates is an assessment of projected market conditions for the project's timeframe. Market surveys and price database development are an integral part of our estimating and scheduling process.

This market analysis has many facets and includes:

- Projected contractor / subcontractor availability and bonding capacity
- Forecast of competing projects
- Current and future projections of labor availability and costs
- Construction risk factors and risk impact
- Projections of material availability and costs
- Special conditions

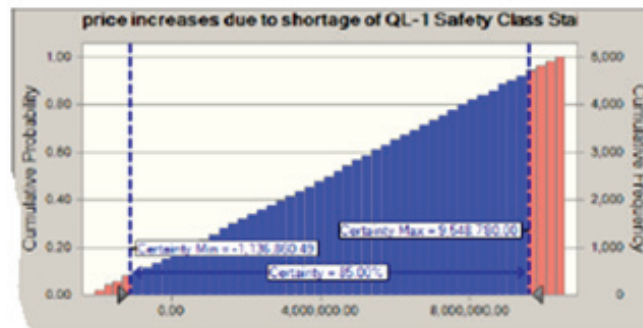
Concurrent with other estimating activities, and at each submission, we conduct or update a previously compiled market survey to assess the local construction market. This requires us to assess and understand the local conditions, as well as, current labor and material escalation.

Additionally, the region's labor base will be reviewed as to the availability, productivity and respective rates of tradesmen in the

fields of expertise required for the project(s). The local Association of General Contractors, recent estimates, bids and change order negotiation data on similar work in the area are part of the evaluation. Equipment rental rates, maintenance and operating costs will also be compiled. Specific discipline estimators will provide the price surveyors with projected quantities, typical equipment types and capacities, and specification assumptions based on their review of the design documents and / or field analysis of the project. Based upon all of this information, the CES team will develop and periodically update a unique price database made available to the estimating team for their use in developing the specific projects' estimates.

#### Summary:

Certainty level is 85.00%  
 Certainty range is from -1,136,860.49 to 9,548,780.00  
 Entire range is from -2,098,093.81 to 10,520,333.04  
 Base case is 0.00  
 After 5,000 trials, the std. error of the mean is 51,038.11



### Final Design, Bid & Award Stage Estimates

The final estimate is updated or adjusted based on the latest report of current and future market conditions. In addition to the steps outlined in the Construction Market Conditions Analysis

section above, we analyze the market climate and attend the pre-bid meetings to obtain a sense of which contractors are interested in the project and to what degree. Any significant issues that are raised in the course of the meeting or the bid period are analyzed and may result in recommendations for addenda outlining alternative pricing options or unit price breakouts for extra work.

The review and analysis of bid results is imperative to recommend a go or no-go decision or to establish strategies for best earned value method of the project. We would provide a CPM and comparatively analyze the contractor's schedule and support reconciliation of CPM discrepancies.

Because of our process for "concept to completion" estimating, we have an enviable track record of cost estimating and control. We estimate according to the construction market and associated trends from the position of the contractor.

### **Construction Stage Estimating Support**

During the construction stage we will support the City's established methodology for document control, payment certification, progress reporting, schedule analysis, change orders, claims avoidance, and T&M work.

The CES Team will support scope change requests with detailed estimates prepared to identify the cost impact of the scope change and inclusive of the direct costs and the indirect costs associated with implementing the change. These estimates will be prepared to the same level of detail as the final design estimates and will include labor, material and equipment costs for the direct work as well as extended overheads and associated costs of implementing the changes. Special considerations such as documentation, temporary protection, hazardous materials, understanding methods, materials and standards, MEP challenges, and building codes issues, along with phasing and scheduling issues, will be factored into the change estimate. Once the contractor proposal is received, we prepare a change order review summary reconciling the estimate and proposal, followed by active negotiation support and preparation of a "Summary Record of Negotiation" for the stakeholder and audit review.

### **Prepare Cost Escalations**

The CES team approach to construction cost escalation can be applied to assess and understand local conditions such as the availability of labor, equipment and material costs from the contractor's perspective. Given recent volatility in the construction market and the economy, it is important to assess escalation

at commodity level with a dependence on acquisition timeframe versus a macro level with no dependence on commodity and applied to mid-point of construction.

The team conducts a review of construction resources to clearly ascertain current conditions and expert forecasts of future predicted conditions in the region. We research past experience, current and future trends and attempt to achieve an understanding of the causal relationship(s), if any, between market conditions, bids, and subcontractor interest in bidding projects. Additionally, we identify market volatility factors and material and labor cost trends. The approach we will apply for the City's projects will be to assess escalation in each individual component of labor, material and specific risk items. We start with traditional indices from Engineering News Record (ENR) Fort Lauderdale, i.e., Building Cost Index (BCI) and Construction Cost Index (CCI). Select surveys are then performed to validate the index data. We have recently done this for projects in Fort Lauderdale, Washington D.C., Miami, Wichita, San Diego and Chicago. In these studies, we evaluate local factors such as the state bond measures, commercial construction and other government projects. Construction material costs are highly market determined and need to be evaluated in the latter design stages. The recent industry experience with steel, cement and petroleum products demonstrate the difficulties in projecting material escalation.

We also contact the local construction market representatives and interview their estimators, bid preparers and management to record their concerns affecting costs. Specifically, the market surveyors will ask what the area will likely be experiencing at the time of project construction in terms of specialty contractor availability, labor and material availability and costs, overhead factors, competing projects in the marketplace, program management concerns, and any other factors. Additionally, we will contact local labor trade representatives for an assessment of projected future labor availability and levels of training (and hence, productivity). All of this gathered information is used to prepare a market analysis report that projects future escalation rates based on this understanding of past, current and projected future market conditions.

### **LEED Cost Estimating**

The CES team has extensive project experience that incorporates LEED™ design principals ranging from LEED™ Silver ratings to LEED™ Platinum. The sustainable design approach and the associated LEED™ rating system have a considerable impact on costing for facilities. At the conceptual design phase the cost

estimator ensures that:

- he/she has a clear understanding of the projects sustainable goals;
- the planning/programming document includes information as to the categories of LEED™ credits (and the respective point totals) the project design team will likely pursue;
- consistent, defensible assessments are made as to the selection of the most likely design given the risk tolerance of the owner; and
- the developed conceptual estimate reflects the synergistic effect of individual elements in both initial costs and total life cycle costs for the facilities as a whole.



As the design progresses through design development and construction documents, the decision to accept a given alternative often hinges on the initial cost and life cycle cost of that alternative relative to a baseline alternative (e.g., a green roof in lieu of a standard roof). The CES team will use its sustainable features database along with market cost surveys to assess the costs of the sustainable elements as the design progresses. We have established relationships with many suppliers of sustainable technologies and couple that with experiential data from completed projects. The result is a cost estimate with a basis in both market conditions and extrapolated historical data.

Complete QA/QC of LEEDS cost estimating is lead by the Team's LEED Accredited Professional, Wade Martin, LEED AP, CVS, RPA.

### Scheduling Methodology

As part of the project approach, the firm shall propose a scheduling methodology (time line) for effectively managing and executing the work in the optimum time.

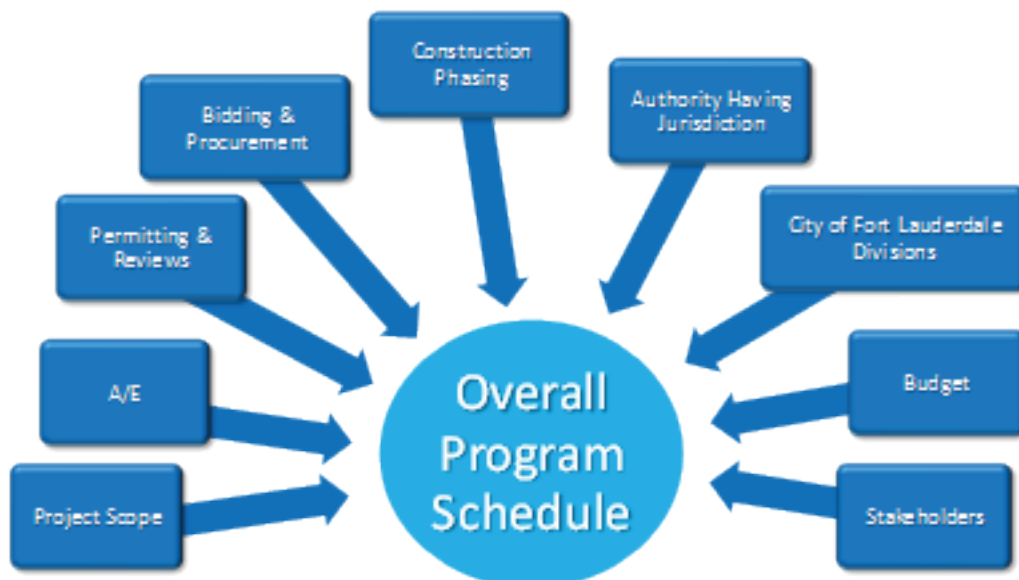
The CES Team scheduling approach is comprehensive and well integrated with all project management and controls systems. As a tool, scheduling is imperative to ensuring

successful implementation of the plan or work. Our schedule management plan is based on the following principles -

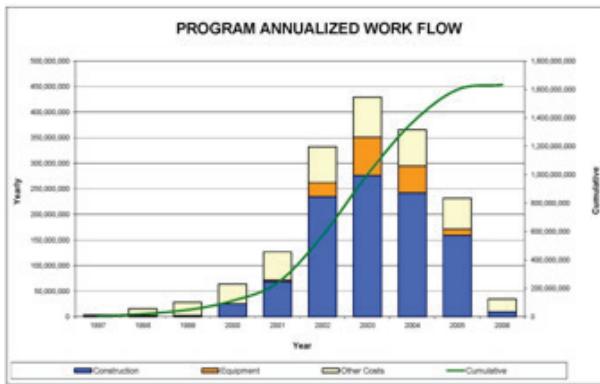
- Plan the work and work the plan
- Participation of Stakeholders
- Raise flags for deviations

Our schedules are detailed roadmaps for completing the numerous projects and activities associated with meeting the City's requirements. They serve as an early warning system that detects discrete subtasks that could cause a deliverable or milestone to be missed. The methodology we follow to developing an overall master schedule involves following steps

- Understanding of scope of work, the contract and all the stake holders
- Develop work breakdown structure and work plan
- Break down the major milestones and deliverables into smaller subtasks so that a more accurate picture of true progress can be developed and identified
- Establish logic, durations, constraints
- Develop activity matrix with codes







- Assign cost/resource loading
- Set up filters, calendars and reports
- Establish critical paths
- Tie multiple schedules to the Overall Master Schedule

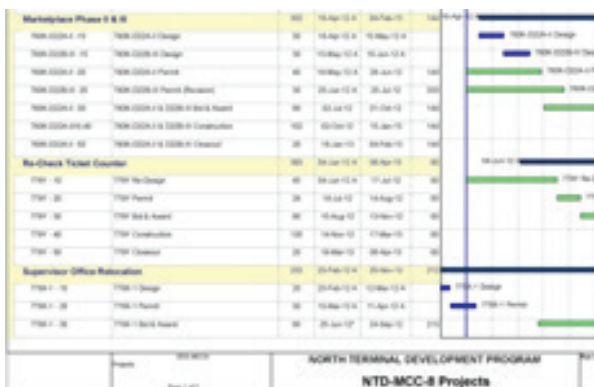
The CES Team is also proficient in developing scheduling specifications and utilizing all industry accepted software, such as - Primavera P6 v7.0.0, Scheduler Analyzer Pro v3.0, MS Project ver 7, synchronizing with Success Exchange, MS Access and Sharepoint. Our schedules have led to realistic cashflows projections, funding needs and crew projections for claims review and mitigation assistance.

### Current Workload

Provide information on your firm's current workload and how this project will fit into your workload.

The estimating business is very hard to predict and forecast because of the nature of the assignments are relatively short time periods. Estimating tasks often range from a couple of days to a couple of weeks.

By submission of our response to this RFQ, we have established a corporate commitment to the City of Fort Lauderdale and assert our ability to provide the City with expeditious service. The complete team submitted is available to the City immediately upon contract award. Of course, at this time, we do not know the volume of work the City intends to assign under this contract. Along with the staff identified in our



submission, the CES team has significant depth and bench strength to support concurrent multiple task activities at a level beyond the staff we are committing herein.

### Available Facilities

Describe available facilities you offer for the project.

The CES Team has state of the art office facilities situated in a manner that we are able to collaborate on a daily basis and support each other as necessary and as one team. These facility locations specifically in Florida include Hollywood, Miami, Orlando and Tampa; however extend to Atlanta GA, Washington DC, New York NY, Dallas TX, Los Angeles CA, and San Diego CA.

### Technological Capabilities

Describe technological capabilities you offer for the project.

The CES team is proficient at optimizing the use of the many software applications and databases used for services in connection with the scope of services. Our commitment is to use innovation and technology in a manner to provide the best possible value for each hour of service we perform. Our investment in professional development, software and hardware is a key differentiator you will find with our team. In addition to Professional Services practice, our team has related business units that are recognized as solution providers and developers of commercial of the shelf software for the construction industry. The synergy created from our consulting and software teams results in providing our clients highest quality deliverables, prepared in the most efficient means.

### Our team's Traditional Technologies:

- Desktop mini-solutions – Microsoft Office such as Excel workbooks to Access databases mini-solutions
- Workflow and document management – Microsoft SharePoint custom solutions for internet based access, Acconex, Success Document Manager
- Estimating - Hard Dollar, Success Estimator, MC2 ICE, Sage Timberline, MII – MCACES 2nd Generation
- Scheduling – Primavera Project Manager (Oracle Primavera), Microsoft Project and Project Server, Delttek Open Plan
- Cost and Contract Management – Primavera Contract Manager, Primavera Expedition, Success Cost Manager, Prolog, Cobra

### Next Generation Technologies and Methods

- Microsoft Dynamics - A comprehensive business solution platform that meets essential public sector capabilities. Provides an enterprise basis for devices and services platform such as private and public cloud, mobility, social media, and data analytics.
- Building Information Modeling or Model (BIM) - combines intelligent data performance with digital building models, comprising of data based on industry-defined standards. BIM utilization begins in the early stages of conceptual design, to construction, continuing to facility maintenance and management as a means of visualization and platform for decision-making. BIM deduces the process of design, construction, and maintenance into one comprehensive model source as opposed to having multiple drawings, models, and data. While still maintaining the physicality and functionality of the data, BIM allows its user to create simulations to calculate options and facilitate the decision-making process. As a result, the comprehensive characteristic of BIM also allows for collaboration between all parties involved in a project with lesser environmental impact to the industry.
- Virtual Design Construction (VDC) - is the use of multi-disciplinary performance models of design-construction projects, including the facilities (assets), Work Processes and Organization of the design - construction - operation team in order to support business objectives. Survey results find that the emergence of VDC is the greatest change in A/E/C industry in a generation or more.
- RIB iTWO – a project delivery platform in a single seamless solution for all phases of the construction process, virtually eliminating the need for custom integrations, thereby drastically reducing cost and risk from the very beginning. Additionally, with iTWO as a “single source of truth”, potential design or construction issues can be identified early, before they become costly. The iTWO platform enables an organization and their extended teams to transform their traditional methods for project delivery, over a planned period of time, into use of the BIM and VDC for enhanced abilities that create efficiencies to the project delivery process. This process has been coined as 5D project delivery as it uses the 3D intelligent data from the design processes to benefit the downstream




estimating, scheduling, contract – cost – project – change – earned value management, and controlling requirements of your projects. Ultimately providing the owner organization with the ability to create and control sustainable value and operational efficiencies of the commissioned asset. From workflow and collaboration, capital planning to facilities maintenance, desktop - cloud - mobility device capabilities, the iTWO software is a next generation standard for project delivery.

- RIB Cx – Model based collaboration and document management software on the cloud
- iTWO RUN – Cloud based work order management system

### Cost Databases

Through our work with local agencies and others countrywide, we have amassed an impressive database of specific cost information that is available to facilitate our estimate development at all stages of the construction process. The work items in the iTWO application are continuously updated with this legacy data to ensure the individual cost elements reflect the most recent and accurate costing information relative to projects in south Florida and around the country. This information is particularly important at the planning and concept design stages when limited project specific information is available and estimators rely on parametric assemblies to prepare project cost estimates. The legacy database also serves as a QA/QC tool and enables the quickly compare systems level project costs across multiple similar projects. Additionally, the estimator can study the detail assemblies within systems across projects and insure that all relevant work items have been accounted for in the project cost estimate.

The CES team maintains subscriptions for professional service staff and provides data as a commercial service in estimating software applications.

Data provider	Description
 RSMeans <small>Reed Construction Data</small>	Construction cost data
ICE Knowledge Base	RIB MC <sup>2</sup> Integrated cost estimating knowledge base of assemblies
 TradeService	Material pricing databases
 THE BLUE BOOK Building & Construction NETWORK	Equipment rates

### **Available Resources**

Describe available resources you offer for the project.

Our Multi-disciplined Staff includes the construction cost estimators (architectural, mechanical, electrical, structural and civil) necessary to work effectively with design teams and facility owners to ensure that projects are within budget from the planning stage through final design, bidding and construction. The resources available to work on this contract include certified (CCP, CCE, CCC, CEP, et. al.) estimating professionals with construction and estimating experience ranging from five to 30 years and.

In addition to the resources presented herein, the CES team has access to an additional Professional Cost Estimators if / when needed.

# References



## References

<b>I-595 Corridor Improvements, Materials testing and Inspections</b>		
<b>AMEC Environment &amp; Infrastructure, Inc.</b> 5845 NW 158th Street Miami Lakes, FL 33014		
<b>Contact Name</b> <b>Edward Tufo</b>	Contact Phone (305) 945-1990	Contact Email etufo@teamgfa.com
<b>Project Description:</b> CES is working with the Florida Department of Transportation (FDOT) on a massive, \$1.4 Billion multi-year infrastructure project.  The following is a list of testing services currently being provided by CES: <ul style="list-style-type: none"> <li>• Concrete Cylinders for Compressive Strength Testing</li> <li>• Check Water &amp; Cement Ratio</li> <li>• Quality Control Tests</li> <li>• In-Place Density Tests (Nuclear Gauge)</li> <li>• Asphalt Paving Operations Inspection</li> </ul>		
Year Completed: Ongoing	Estimated Cost: Ongoing	Actual Cost: Ongoing

<b>Runway 9R-27L Expansion Project, Inspection Services</b>		
<b>Parsons</b> 4101 Ravenswood Road Suite 320 Miami , FL 33312		
<b>Contact Name</b> <b>Ron Murtha</b>	Contact Phone 954-321-3990 Contact Fax 954 635 3415	Contact Email ron.murtha@parsons.com
<b>Project Description:</b> CES is providing construction inspection services for the Fort Lauderdale-Hollywood International Airport (FLL) Runway 9R-27L Expansion Project, under a multi-part construction project management contract.		
Year Completed: Ongoing	Estimated Cost: Ongoing	Actual Cost: Ongoing

<b>City of Sunny Isles Beach Geotechnical Services</b>		
<b>City of Sunny Isles Beach</b> 18070 Collins Avenue Sunny Isles Beach , FL 33160		
<b>Contact Name</b> <b>Helen Gray</b>	Contact Phone 305-792-1913 Contact Fax 786-303-1472	Contact Email hgray@sibfl.net
<b>Project Description:</b> CES is performing Geotechnical and Materials Testing Services for the City of Sunny Isles Beach in Miami-Dade County as part of a Continuing Services Contract to provide general engineering, geotechnical, design, construction engineering, and inspection services.  Current services being performed include Field Work, Laboratory Testing, and Engineering. The nature of the work includes projects related to Roadway Design; Sanitary and Stormwater Pump Stations; Reports for USEPA, FDEP, Miami-Dade County, and DERM; Environmental Assessments; Water Distribution / Sanitary Sewer and Stormwater System Master Planning; Transportation Engineering and Traffic Engineering; Urban Design; Community Redevelopment Projects; Corridor Planning; Master Planning; and others.		
Year Completed: Ongoing	Estimated Cost: Current \$120,000	Actual Cost: Ongoing



# Minority/Women (M/WBE) Participation





State of Florida  
*Minority, Women &  
Service-Disabled Veteran*  
Business Certification

CES Consultants, Inc.

Is certified under the provisions of  
287 and 295.187, Florida Statutes for a period from:

04/16/2012 to 04/16/2014

A handwritten signature in black ink that reads "John P. Miles".

John P Miles, Secretary

Florida Department of Management Services  
Office of Supplier Diversity

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399-0950 • 850.487.0915 • [www.osd.dms.state.fl.us](http://www.osd.dms.state.fl.us)





# Sample Insurance Certificate



ACORD™

Client#: 1053638

CESCON

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/15/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: USI Insurance Services, LLC, 1715 N. Westshore Blvd. Suite 700 Tampa, FL 33607
INSURED: CES Consultants, Inc., 14361 Commerce Way Suite 103 Miami Lakes, FL 33016
CONTACT NAME, PHONE (A/C, No, Ext): 813 321-7500, FAX (A/C, No): 813 321-7525
INSURER(S) AFFORDING COVERAGE: INSURER A: Travelers Insurance Company NAIC #: 19038, INSURER B: Travelers Casualty and Surety C 31194, INSURER C: XL Specialty Insurance Company 37885, INSURER D: Phoenix Insurance Company 25623, INSURER E: , INSURER F:

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSR, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include: A GENERAL LIABILITY (6609D349718), D AUTOMOBILE LIABILITY (BA7480X896), A UMBRELLA LIAB (CUP4188T205), B WORKERS COMPENSATION AND EMPLOYERS' LIABILITY (UB3756T448), C Professional Liability (DPR9712595).

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required) Professional Liability coverage is written on a claims-made basis.

CERTIFICATE HOLDER: For Proposal Purposes
CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE: [Signature]

ACORD 25 (2010/05) 1 of 1 #S11594238/M11404365

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MRLEW

Sample Insurance Certificate



# Local Business Preference (LBP)



**LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT**

The Business identified below certifies that it qualifies for the local BUSINESS preference classification as indicated herein, and further certifies and agrees that it will re-affirm it's local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this ITB. Violation of the foregoing provision may result in contract termination.

- (1) \_\_\_\_\_  
Business Name is a **Class A** Business as defined in City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the City of Fort Lauderdale current year Business Tax Receipt and a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.
- (2) CES Consultants, Inc.  
Business Name is a **Class B** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Business Tax Receipt or a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.
- (3) \_\_\_\_\_  
Business Name is a **Class C** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.
- (4) \_\_\_\_\_  
Business Name requests a **Conditional Class A** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.
- (5) \_\_\_\_\_  
Business Name requests a **Conditional Class B** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.
- (6) \_\_\_\_\_  
Business Name is considered a **Class D** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. and does not qualify for Local Preference consideration.

BIDDER'S COMPANY: CES Consultants, Inc.

AUTHORIZED COMPANY PERSON: Rudy M. Ortiz, PE, CGC  February 25, 2014  
NAME SIGNATURE DATE

Local Business Preference (LBP)

## BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000  
**VALID OCTOBER 1, 2013 THROUGH SEPTEMBER 30, 2014**

**DBA:**  
**Business Name:** CES CONSULTANTS INC

**Receipt #:** 327-227398  
**Business Type:** BUSINESS/FINANCIAL/CONSULTANTS  
 (ENGINEERING CONSULTANTS)

**Owner Name:** RUDY M ORTIZ  
**Business Location:** 4651 SHERIDAN ST #325  
 HOLLYWOOD  
**Business Phone:** 305-827-2220

**Business Opened:** 09/10/2009  
**State/County/Cert/Reg:**  
**Exemption Code:**

Rooms                      Seats                      Employees                      Machines                      Professionals

3

		For Vending Business Only					
		Number of Machines:		Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid	
33.00	3.30	0.00	0.00	0.00	0.00	36.30	

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**

**THIS BECOMES A TAX RECEIPT  
 WHEN VALIDATED**

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

**Mailing Address:**

RUDY M ORTIZ  
 4651 SHERIDAN ST #325  
 HOLLYWOOD, FL 33021

**Receipt #** 03A-13-00005534  
**Paid** 02/20/2014 3.30

**2013 - 2014**

# Joint VenturesS





# Joint Ventures

CES Consultants, Inc. is not a Joint Venture.



# Subconsultants



## Subconsultants

The CES Team is comprised of:

CES Consultants, Inc. / RIB US Cost, Inc. / MCO Construction & Services, Inc. / Program Controls, Inc.

Qualifications for all firms are provided throughout the proposal.



# Non-Collusion Statement



**NON-COLLUSION STATEMENT:**

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

**Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.**

<u>NAME</u>	<u>RELATIONSHIPS</u>

**In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.**