



Interoffice Memorandum

April 17, 2017

TO: Mayor Teresa Jacobs
and the Board of County Commissioners

FROM: Carrie Woodell, Manager, Procurement Division

CONTACT: Sara Flynn-Kramer, Manager, Capital Projects Division
407-836-0048

SUBJECT: Selection of Consultant, RFP Y17-902-CC, Continuing Professional Mechanical, Electrical, and Plumbing Engineering Services

RECOMMENDATION

Selection of three firms and three ranked alternates to provide Continuing Professional Mechanical, Electrical, and Plumbing Engineering Services, Request for Proposals Y17-902-CC, from the following firms listed alphabetically. Further recommend the Board authorize negotiation and execution of the final contracts by the Procurement Division to establish hourly rates for future requirements. The performance period for the contracts will be for 1 year with two 1-year renewals.

Atkins North America, Inc.
GRAEF-USA, Inc.
Hanson Professional Services, Inc.
RTM Engineering Consultants, LLC
SGM Engineering, Inc.
TLC Engineering for Architecture, Inc.

Proposals were evaluated by the Procurement Committee on April 12, 2017. Commissioner Pete Clarke was assigned to the Procurement Committee.

PURPOSE

To select three firms to provide continuing professional mechanical, electrical, and plumbing engineering services throughout the County.

DISCUSSION

The consultant shall provide and or perform and be fully responsible for the various professional mechanical, electrical, and plumbing engineering services required for each assigned project. Projects may include, but are not limited to:

- A. Mechanical engineering services
 - (1) air-conditioning and heating systems (types)
 - (2) air distribution (air handlers, ductwork & accessories)

- (3) refrigeration equipment (chillers, cooling towers)
- (4) unitary equipment (rooftop air-cooled single package units)
- (5) heat generation equipment (boilers)
- (6) fire protection equipment (fire sprinkler systems)
- (7) plumbing fixtures and equipment
- (8) HVAC instrumentation, Building Automation System, DDC Controls
- (9) Testing, adjusting and balancing of HVAC systems

B. Electrical engineering services

- (1) power generation (emergency generators)
- (2) service and distribution (metering, grounding, service disconnects)
- (3) lighting (light fixtures, lamps)
- (4) communication systems (fire alarm & security systems)
- (5) electrical system testing
- (6) low-voltage distribution systems (switchboards, panels, controllers)

C. Plumbing engineering services

- (1) retrofit of existing plumbing systems

D. Elevator Design Services

E. Smoke Control Design Services

F. Fire Alarm Design Services

G. Fire Sprinkler Design Services

H. Cost estimating services.

I. Construction contract administration services.

The consultant will perform the following services:

- 1. Problem Analysis
- 2. Project Programming
- 3. Schematic Design
- 4. Design Development
- 5. Construction Documents
- 6. Technical Specifications
- 7. Cost Estimating Services
- 8. Value Engineering
- 9. Code Compliance
- 10. Owner Approval
- 11. Reproductions
- 12. Permits
- 13. Bidding
- 14. Construction Contract Administration
- 15. Project Summary

Three contracts are required due to county-wide projected workload for the next three years. In keeping with the Board's policy for work distribution, these contracts will be monitored to ensure a reasonable degree of equity in the distribution of contract dollars.

Eight proposals were received in response to the solicitation. The proposals of VoltAir Consulting Engineers, Inc. (220 points) and KPI Engineering, Inc. (180 points) scored too low for Board consideration.

Consensus scores of the Procurement Committee are attached.

RFP#: Y17-902-CC	PROJECT		PROJECT		M/WBE		LOCATION		VOLUME		SCOPE		VETERANS		DISPLACED WORKERS		TOTAL
CONTINUING PROFESSIONAL MECHANICAL, ELECTRICAL AND PLUMBING ENGINEERING SERVICES	PROJECT MANAGER		TEAM														
WEIGHT	25		15		15		10		15		20		2		1		
	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	RAW SCORE	WEIGHTED SCORE	
Atkins North America, Inc.	5.0	125.0	5.0	75.0	4	60.0	5	50.0	4	60.0	4.0	80.0	0	0.0	0	0.0	450.0
SGM Engineering, Inc.	4.0	100.0	4.0	60.0	5	75.0	5	50.0	4	60.0	4.0	80.0	1	2.0	1	1.0	428.0
Hanson Professional Services, Inc.	5.0	125.0	4.0	60.0	3	45.0	5	50.0	4	60.0	4.0	80.0	0	0.0	0	0.0	420.0
GRAEF-USA, Inc.	4.2	105.0	3.0	45.0	4	60.0	5	50.0	4	60.0	3.0	60.0	0	0.0	0	0.0	380.0
TLC Engineering for Architecture, Inc.	4.0	100.0	3.0	45.0	4	60.0	5	50.0	4	60.0	3.0	60.0	1	2.0	0	0.0	377.0
RTM Engineering Consultants, LLC	4.0	100.0	2.0	30.0	4	60.0	5	50.0	3	45.0	2.0	40.0	1	2.0	0	0.0	327.0



Interoffice Memorandum

BUSINESS DEVELOPMENT DIVISION

April 11, 2017

TO: Corie Cummings, Senior Contract Administrator, Procurement Division
FROM: ^{A.B.} Angela Brown, Senior Contract Administrator, Business Development
SUBJ: Y17-902-CC / Continuing Professional Mechanical, Electrical and Plumbing Engineering Services

APPROVED:


Sheena Ferguson, BDD Manager

Listed below are respondents to the subject RFP with their sub-consultants and M/WBE participation score on a 1 – 5 scale (RFP GOALS: M/WBE-27% & EEO-24%):

	Projected %	Sub-Consultant Role
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1. ATKINS NORTH AMERICA, INC. Majority Prime		
<u>M/WBE Subconsultants:</u>		
AVCON, Inc. (Asian Pacific Male)	11%	Structural
Rhodes + Brito Architects, Inc. (African American Male)	16%	Architecture
Total M/WBE Participation:	27%	
EEO Staff:	50%	
Points:	4	
 <u>BONUS POINTS:</u>		
No Welfare Recipient(s) Proposed		
No Registered Service Disabled Veteran(s) Proposed		
Total Bonus Points:	0	

**2. GRAEF-USA, INC.
Majority Prime**

M/WBE Subconsultants:

Bobes Associates Consulting Engineers, Inc. (Hispanic Male)	27%	Electrical Engineering Services including Power, Lighting, and Fire Alarm and Systems
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Projectstar Management Consultants, Inc. (African American Female)	2%	Cost Estimation Services
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Total M/WBE Participation:	29%
EEO Staff:	58%

Points:	4
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BONUS POINTS:

No Welfare Recipients Proposed

Registered Service Disabled Veteran(s) Proposed:

*AKEA Design, Inc.	1	Mechanical and Electrical Support Services
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***This subconsultant is not registered with
Orange County as a Service Disabled Veteran.**

Total Bonus Points:	0
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**3. HANSON PROFESSIONAL SERVICES, INC.
Majority Prime**

M/WBE Subconsultants:

Borrelli + Partners, Inc. (Hispanic Male)	3%	Architectural Design
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Rhodes + Brito Architects, Inc. (African American Male)	3%	Architectural Design
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Tags Engineering, LLC (White Female)	5%	Mechanical, Plumbing Engineering
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VoltAir Consulting Engineers, Inc. (African American Male)	6%	Plumbing, Fire Sprinkler Design and Electrical Engineering
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BASE Consultants, Inc. (Asian Islander Female)	2%	Structural Engineering
Bowen Engineering Corporation (Hispanic Male)	2%	Structural Engineering
Montgomery Consulting Group, Inc. (White Female)	2%	Cost Estimating Services
JMATT Construction Services, LLC dba GreenPath Energy Solutions (African American Male)	*2%	Test and Balance/Mechanical Field Investigations
Comelco, Inc. (Hispanic Male)	2%	Electrical Field Investigations

***This subconsultant is not certified by Orange County as a M/WBE to perform this scope of service.**

Total M/WBE Participation: 25%
EEO Staff: 29%

Points: 3

BONUS POINTS:

No Welfare Recipient(s) Proposed

No Registered Service Disabled Veteran(s) Proposed

Total Bonus Points: 0

**4. KPI ENGINEERING, INC.
Majority Prime**

M/WBE Subconsultants:

Advanced Structural Design, Inc. (Hispanic Male)	17%	Structural Engineering
Civil/Site Engineering, Inc. (White Female)	10%	State of Florida Certified Professional Engineering (Civil Engineering)
Total M/WBE Participation:	27%	
EEO Staff:	30%	

Points: 4

BONUS POINTS:

No Welfare Recipient(s) Proposed

No Registered Service Disabled Veteran(s) Proposed

Total Bonus Points: 0

5. RTM ENGINEERING CONSULTANTS, LLC
Majority Prime

M/WBE Subconsultants:

KLPN Studio, LLC (White Female)	*5%	Architectural
Borrelli + Partners, Inc. (Hispanic Male)	*5%	Architectural
BASE Consultants, Inc. (Asian Islander Female)	*4%	Structural Engineering
DAO Consultants, Inc. (Asian Pacific Male)	*3%	Civil Engineering
Montgomery Consulting Group, Inc. (White Female)	*6%	Cost Estimating Services
Power Engineering Group, Inc. (Asian Islander Male)	*3%	Electrical Testing and Construction
ASG Computer & Reprographics, Inc. (Hispanic Male)	*2%	Reproduction

*** Proposer has indicated estimated percent allocation final based on project scope**

Total M/WBE Participation:	28%
EEO Staff:	45%

Points:	4
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BONUS POINTS:

No Welfare Recipient(s) Proposed

Registered Service Disabled Veteran(s) Proposed:

Blue Cord Design and Construction, LLC	1	Construction Reviews, Construction Observations
Total Bonus Points:	2	

6. **SGM ENGINEERING, INC.**
Minority Prime (Asian Pacific Male)

M/WBE Subconsultants:

MLM Martin Architects, Inc. (Hispanic Male)	11%	Architectural
Base Consultants, Inc. (Asian Islander Female)	8%	Structural Engineering
Montgomery Consulting Group, Inc. (White Female)	8%	Cost Estimating
Total M/WBE Participation:	27%	
EEO Staff:	51%	
Points:	5	

BONUS POINTS:

Welfare Recipients/Proposed:	1	
Registered Service Disabled Veterans/Proposed:		
Alliance Design and Construction, Inc.	1	Elevator Design and Construction Administration
Total Bonus Points:	3	

7. **TLC ENGINEERING FOR ARCHITECTURE,
 INC.**
Majority Prime

M/WBE Subconsultants:

MLM Martin Architects, Inc. (Hispanic Male)	*4%	Architecture
Bobes Associates Consulting Engineers, Inc. (Hispanic Male)	*20%	MEP/FP Engineering
Montgomery Consulting Group, Inc. (White Female)	*4%	Cost Estimating
*Proposer has indicated estimated percent allocation final based on project scope		
Total M/WBE Participation:	28%	
EEO Staff:	38%	
Points:	4	

BONUS POINTS:

Welfare Displaced Worker(s) Proposed

Registered Service Disabled Veteran(s) Proposed:

Gator Engineering & Aquifer Restoration, Inc.	1	MEP Engineering
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Total Bonus Points:	2	
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8. VOLTAIR CONSULTING ENGINEERS, INC.
Minority Prime-African American Male

M/WBE Subconsultants:

Montgomery Consulting Group, Inc. (White Female)	5%	Cost Estimating
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Tags Engineering, Inc. (White Female)	5%	Construction Administration
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Rhodes + Brito Architects, Inc. (African American Male)	8%	Architectural Design & Elevator
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BASE Consultants, Inc. (Asian Islander Female)	5%	Structural Engineering
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Total M/WBE Participation:	23%	
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EEO Staff:	49%	
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Points:	4	
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BONUS POINTS:

Welfare Displaced Worker(s) Proposed

*TBD

No Registered Service Disabled Veteran(s)
Proposed

***Proposer has included T.B.D. on Form WR indicative of the number of individuals to be hired. To be eligible for bonus points, proposer must complete Form WR-Section I listing the number of displaced workers to be hired full-time and submit with proposal. Bonus points are not allocated for this inclusion.**

Total Bonus Points:	0	
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