

**CITY OF MIAMI, FLORIDA
INTER-OFFICE MEMORANDUM**

TO: Honorable City of Miami Commissioners
and Honorable Mayor of the City of Miami

DATE: October 11, 2017 **FILE:**

SUBJECT: Report of Evaluation Committee
for RFQ No. 16-17-041: Comprehensive
Stormwater Master Plan for the City of Miami.
Project -B-30632A

FROM: Daniel J. Alfonso
City Manager



ENCLOSURES: Response Security List;
Evaluation Committee Score Sheets; Evaluation
Committee Appointment Memo

In accordance with Section 18-87, (i) of the City of Miami Code, attached please find the report of the Evaluation Committee for subject solicitation.


AP:lo

c: Alberto N, Parjus, Assistant City Manager
Nzeribe Ihekweba, PhD., P.E., Chief of Operations/Assistant City Manager
Fernando J. Casamayor, Chief Financial Officer/Assistant City Manager
Rafael Suarez-Rivas, Senior Assistant City Attorney
Todd B. Hannon, City Clerk
Jeovanny Rodriguez, P.E., Director, Office of Capital Improvements
Annie Perez, CPPO, Director, Procurement
Juvenal Santana, P.E., CFM, Director, Public Works Department
Lydia Osborne, Ph.D., CPPO, CPPB, Assistant Director, Procurement

**CITY OF MIAMI, FLORIDA
INTER-OFFICE MEMORANDUM**

TO: Daniel J. Alfonso,
City Manager

DATE: October 11, 2017 **FILE:**

FROM: 
Annje Perez, CPPO,
Procurement Department Director

SUBJECT: Recommendation to Negotiate a
Contract for a Comprehensive Stormwater Master
Plan for the City of Miami Project - B-30632A

REFERENCES: RFQ No. 16-17-041

ENCLOSURES: Evaluation Committee Score
Sheets; Evaluation Committee Appointment
Memo

Recommendation:

Based on the findings below, the Procurement Department (Procurement) hereby recommends approval to negotiate a contract with the top-ranked responsive and responsible Proposer, CDM Smith, Inc. (CDM), pursuant to Request for Qualifications No. 16-17-041 (RFQ), for the planning and development of a Comprehensive Stormwater Master Plan (Plan) for the City of Miami (City).

The City's original Stormwater Master Plan was generated in 1986, and emphasized on mainland areas, excluding barrier islands and most coastal areas. Additionally, localized flooding of homes, businesses and roadways, including the effects of erosion and diminishing capacity of rivers and canals due to accumulation of debris and organic sedimentation, were evaluated. The newly updated and comprehensive Plan shall include, but not limited to the following:

- a) Evaluation of potential sea level rise scenarios and recommendations to raise seawall and bulkhead elevations, proposal of new pump stations, and installation of backflow preventers to existing and future stormwater drainage infrastructure;
- b) Recommendations to improve the resiliency of coastal and upland infrastructure, as well as, the existing ecosystem to mitigate damages sustained from severe storm events;
- c) Recommendations to address water quality and environmental issues in accordance with local, state, and federal regulations;
- d) A ranking and priority list for capital projects that address stormwater drainage and water quality improvements, as well as City maintained seawalls/bulkheads;
- e) Analysis, modeling, and recommendations to reduce depth, extent, frequency, and duration of flooding events;
- f) Recommendations for conservation and reuse of stormwater;
- g) Ways to improve aquifer recharge to reduce saltwater intrusion, and protect the potable water supply;
- h) Best management practices;
- i) Recommendation of green design and Sustainable Engineering standards; and
- j) Coordinated analysis identifying existing conditions of City parks, and major public facilities, including transportation, parking and other infrastructure.

Background:

On May 31, 2017, the City issued RFQ No. 16-17-041 under full and open competition, to obtain proposals from qualified and experienced professional consulting firms to develop the Plan. On July 18, 2017, five (5) proposals were received in response to the RFQ. Proposers were required to meet all of the minimum qualification requirements established in the RFQ, in order to be deemed qualified to provide the services. Subsequently, the proposals were reviewed by Procurement for responsiveness; all proposals were deemed responsive. On August 25, 2017, the proposals were further evaluated by

an Evaluation Committee (Committee), following the guidelines and technical criteria published in the RFQ. The technical criteria listed below, were itemized for a maximum of one hundred (100) points per Committee member:

- 1) Proposer's Qualifications and Experience (25 points);
- 2) Proposer's Team Qualifications and Experience (20 points);
- 3) Proposer's Project Manager Qualifications and Experience (15 points);
- 4) Design Approach and Process to Functionality/Innovation (30 points); and
- 5) Technical Capabilities and Methodology in Designing and Master Planning in South Florida (10 points).

Proposers were mandated to assign a minimum of fifteen percent (15%) of the award value to firms currently certified by Miami-Dade County as a Community Business Enterprise (CBE). Furthermore, Proposers who meet the mandatory CBE requirement and use the firms that maintain a local office, as defined in Section 18-73 of the City of Miami Code, will qualify to receive five (5) bonus points. Two (2) firms qualified for the bonus points: 1) AECOM Technical Services, Inc., and 2) Hazen and Sawyer.

Pre-Oral Presentation Scores:

The preliminary technical scores after the August 25, 2017 Committee meeting are as follows:

Proposer		Technical Score (max. 600)
1	Hazen and Sawyer	536.85
2	CDM Smith, Inc.	531.15
3	A.D.A. Engineering, Inc.	527.6
4	AECOM Technical Services, Inc.	519.6
5	A & P Consulting Transportation Engineers, Corp.	445.9

At this meeting, the Committee determined the proposals warranted further consideration; and recommended that the top three ranked firms be invited back for oral presentations. The Committee's questions/clarifications were provided to each firm prior to the presentations.

Post-Oral Presentation Scores:

The final technical scores after the October 6, 2017 oral presentations are as follows:

Proposer		Technical Score (max. 600)
1	CDM Smith, Inc.	546.9
2	Hazen and Sawyer	531.75
3	A.D.A. Engineering, Inc.	524.55

Due diligence was conducted by Procurement, prior to the Committee meeting, on all Proposers to determine responsibility, including verifying corporate status and performing reference checks. There were no performance or compliance issues and no adverse findings related to any of the Proposers' responsibility.

Other:

One voting Committee member disclosed during the first evaluation meeting that he had a conflict of interest with one of the Proposers, and was removed from the Committee. This member's scores were not included in the pre-oral scoring.

Another voting Committee member, was unable to participate on the Committee, due to scheduling conflicts, and was replaced by Mr. Hector Badia.

Negotiations:

The Committee recommends that the City enter into negotiations with CDM Smith, Inc. (CDM), the highest ranked responsive and responsible Proposer. Notwithstanding the foregoing, the Committee further recommends that if the City and CDM cannot reach an agreement, the City will terminate negotiations with CDM and begin negotiations with the second highest ranked responsive and responsible Proposer, Hazen and Sawyer (H&S). Further, if the City and H&S cannot reach an agreement, the City will terminate negotiations with H&S and begin negotiations with the third highest ranked responsive and responsible Proposer, A.D.A Engineering, Inc.

The following individuals will participate in the negotiations along with the assigned City Attorney(s):

Lydia Osborne, PhD, CPPO, CPPB, Assistant Director, Procurement
Jeovanny Rodriguez, Director, Capital Improvement Program (CIP)
Hector Badia, Assistant Director, CIP
Keith NG, Project Manager, CIP
Hermes Diaz, Chief Engineer, Public Works Department
Giraldo Marquez, Chief Project Manager, CIP

Background Provided by the Recommended Proposer:

CDM has provided a full range of environmental services to public and private sector clients. Projects include the City's Storm Drainage Master Plan; Wagner Creek and Seybold Stormwater Master Plan Update; Kinloch Basin Stormwater Model; City of Jacksonville first Master Stormwater Management Plan; City of Miami Beach Comprehensive Master Plan; and the City of Fort Lauderdale Comprehensive city-wide Stormwater Master Plan.

CDM offers 43 years of consecutive service in Florida, with a complete suite of services spanning from state of the art stormwater master plans, program management, management consulting, and architectural and geotechnical engineering, to design-build, construction management and operations. CDM was ranked 24th in the top 500 design firms, 9th for Water by Engineering News-Record (ENR) in 2017, and 5th for sanitary and storm sewers in the top 25 design firms, by ENR in 2016.

Consensus Statement:

The Committee determined that CDM, a licensed professional engineering firm, has the necessary qualifications, relevant experience, technical capacity, and experienced personnel required to meet the needs of the City and successfully complete the Project.

CDM has been in business since 1947, and specializes in projects involving the development of comprehensive watershed and stormwater management programs; the use of computer models for urban and rural stormwater management evaluations; the permitting, design, and construction of stormwater management systems; and the assessment of institutional, regulatory, and financial needs for stormwater management. CDM has experience on 35 stormwater programs across Florida, with 18 similar in size and complexity as the City's Stormwater Master Plan.

CDM's team is led by Project Manager, Jonathan Z. Goldman, PE, BCEE, a Miami native and a 30 year veteran in the management of municipal programs similar to this Project. The lead engineer, Michael F. Schmidt, PE, BCEE, DWRE, is a nationally recognized stormwater expert with 33 years of experience. With over 400 professionals in Florida, CDM has in place the local Project staff to effectively produce a successful comprehensive Plan. CDM proposed highly skilled experienced modelers, along with program management, design, and permitting experience to address the complexities and inter-dependent demands associated with the implementation, scheduling, permitting and planning, and programming experience.

The Committee relied on the resumes that were provided, which detailed each of the Key Personnel's technical qualifications, number of years of experience, the number of years working in the position identified for this Project, and project experience, with projects of a similar scope and complexity. In

addition, signed reference forms from past clients were provided for each Key Personnel that attest to the performance on projects of similar scope and complexity.

CDM's design and approach will be conducted using the firm's quality management process. CDM will use the latest, most up to date technology to serve the needs of the City, as CAD, GIS, and SWMM are critical for the success of the data gathering modeling and planning/design portion of the Plan. The software capabilities will seamlessly integrate multiple data source format and types, and incorporation of other models. CDM's integration of other sources such as Triangular Irregular Network, Digital Elevation Model, or Light Detection and ranging data, will streamline the modeling, analysis, and planning process, by filling in data gaps and increasing the accuracy of the flood mapping. The firm's extensive experience in developing coastal facility and stormwater management plans globally, and introducing resiliency into new plans and designs, will help guide the City. Furthermore, CDM has staffing support to assist the City in seeking grant funding or bond underwriting activities if needed.

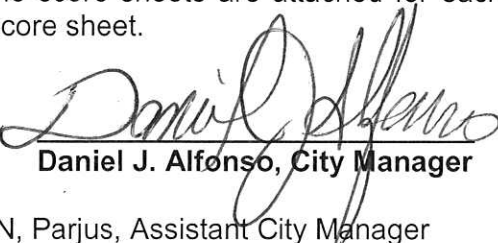
Based on the firm's proposal and oral presentation, the Committee finds that CDM has carefully analyzed the technical requirements of the RFQ in order to understand every aspect of the Project. The proposal presented a clear understanding of the scope of services required and provided a task-appropriate approach which supports a close working relationship with the City to address the complexities and challenges of the Project.

CDM has demonstrated that they exceed the minimum qualifications and possess the technical capabilities to perform the work as evidenced by the firm's project experience, proposed approach, and favorable references from past clients. Subsequent to the approval of this recommendation, Procurement will request pricing from CDM. The firm's proposed price will be negotiated.

The Committee cites CDM's project experience, approach and methods, to be the primary reasons in recommending the firm's proposal as the top ranked proposal.

Copies of the score sheets are attached for each Committee member, as well as a composite and aggregate score sheet.

Approved:



Daniel J. Alfonso, City Manager

Date:

10-18-17

- c: Alberto N, Parjus, Assistant City Manager
- Nzeribe Ihekweba, PhD., P.E., Chief of Operations/Assistant City Manager
- Fernando J. Casamayor, Chief Financial Officer/Assistant City Manager
- Rafael Suarez-Rivas, Senior Assistant City Attorney
- Annie Perez, CPPO, Director, Procurement
- Jeovanny Rodriguez, P.E., Director, Office of Capital Improvements
- Juvenal Santana, P.E., CFM, Director, Public Works Department
- Jane Gilbert, Chief Resilience Officer
- Lydia Osborne, PhD, CPPO, CPPB, Assistant Director/Chief Negotiator, Procurement

EVALUATION OF PROPOSALS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST ORAL

COMPOSITE SCORES

SELECTION PROPOSERS CRITERIA	Maximum Points Per Member	Maximum Total Points (6_members)	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
Proposer's Qualifications and Experience	25	150	132	137.25	134
Proposer's Team Qualifications, Experience and Availability	20	120	106	109.4	112.2
Proposer Project Manager's Qualification and Experience	15	90	79.05	82.05	79.05
Design Approach and Process to Functionality/Innovation	30	180	152.8	162.4	146.8
Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	60	54.7	55.8	54.7
CBE Participation		5			5
TOTAL TECHNICAL POINTS	100	605	524.55	546.9	531.75
RANKING			3	1	2

SIGNATURE:

Lydia Osborne
[Signature]

Chairperson:

Reviewed by:

LYDIA OSBORNE
10/11/2017

(b)

EVALUATION OF QUALIFICATIONS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST ORAL

HECTOR BADIA ASSISTANT DIRECTOR, OCI

SELECTION PROPOSERS CRITERIA	Maximum Points	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
Proposer's Qualifications and Experience	25	23	25	24
Proposer's Team Qualifications, Experience and Availability	20	19	19	19
Proposer Project Manager's Qualification and Experience	15	15	15	15
Design Approach and Process to Functionality/Innovation	30	27	28	28
Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	10	10	10
CBE Participation				
TOTAL TECHNICAL POINTS	100	94	97	96

EVALUATION OF QUALIFICATIONS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST ORALS

SAMANTHA DANCHUK, PHD., ASSISTANT DIRECTOR, ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT, BROWARD COUNTY

SELECTION PROPOSERS CRITERIA	Maximum Points	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
Proposer's Qualifications and Experience	25	21	23	21
Proposer's Team Qualifications, Experience and Availability	20	17	17	18
Proposer Project Manager's Qualification and Experience	15	12	14	12
Design Approach and Process to Functionality/Innovation	30	24	30	21
Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	9	9	9
CBE Participation				
TOTAL TECHNICAL POINTS	100	83	93	81

EVALUATION OF QUALIFICATIONS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST ORAL

JOSE LAGO, SENIOR PROJECT MANAGER, OCI

SELECTION PROPOSERS	CRITERIA	Maximum Points	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
	Proposer's Qualifications and Experience	25	22	22.25	22
	Proposer's Team Qualifications, Experience and Availability	20	17	17.4	17.2
	Proposer Project Manager's Qualification and Experience	15	13.05	13.05	13.05
	Design Approach and Process to Functionality/Innovation	30	25.8	26.4	25.8
	Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	8.7	8.8	8.7
	CBE Participation				
TOTAL TECHNICAL POINTS		100	86.55	87.9	86.75

EVALUATION OF QUALIFICATIONS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST-ORAL SCORES

KEITH NG, CFM, PROJECT MANAGER, OCI

SELECTION PROPOSERS CRITERIA	Maximum Points	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
Proposer's Qualifications and Experience	25	24	25	24
Proposer's Team Qualifications, Experience and Availability	20	17	20	17
Proposer Project Manager's Qualification and Experience	15	14	14	14
Design Approach and Process to Functionality/Innovation	30	25	29	22
Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	10	10	8
CBE Participation				
TOTAL TECHNICAL POINTS	100	90	98	85

EVALUATION OF QUALIFICATIONS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST-ORALS

DBEYSEKERA, HYDROLOGIC AND ENVIRONMENTAL SYSTEMS DIRECTOR, SFL WATER MANAGEMEM

SELECTION PROPOSERS CRITERIA	Maximum Points	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
Proposer's Qualifications and Experience	25	20	19	20
Proposer's Team Qualifications, Experience and Availability	20	18	16	20
Proposer Project Manager's Qualification and Experience	15	12	12	12
Design Approach and Process to Functionality/Innovation	30	27	23	25
Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	9	8	9
CBE Participation				
TOTAL TECHNICAL POINTS	100	86	78	86

EVALUATION OF QUALIFICATIONS

RFP NO. 16-17-041

COMPREHENSIVE STORMWATER MASTER PLAN CITY OF MIAMI (B-30632A)

POST-ORALS SCORES

VIRGINIA WALSH, P.G., PH.D., SENIOR PROFESSIONAL GEOLOGIST, WASD, MDC

SELECTION PROPOSERS	CRITERIA	Maximum Points	A.D.A ENGINEERING, INC	CDM SMITH INC.	HAZEN AND SAWYER
	Proposer's Qualifications and Experience	25	22	23	23
	Proposer's Team Qualifications, Experience and Availability	20	18	20	21
	Proposer Project Manager's Qualification and Experience	15	13	14	13
	Design Approach and Process to Functionality/Innovation	30	24	26	25
	Technical Capabilities and Methodology in Designing and Master Planning in South Florida	10	8	10	10
	CBE Participation				
TOTAL TECHNICAL POINTS		100	85	93	92

CITY OF MIAMI, FLORIDA
INTER-OFFICE MEMORANDUM

TO: Daniel J. Alfonso
City Manager

DATE: July 10, 2017

SUBJECT: Evaluation Committee for
Comprehensive
Stormwater Master Plan

FROM: Annie Perez, Director 
Department of Procurement

REFERENCES: RFQ No. 16-17-041
ENCLOSURES:

Procurement Department issued a Request for Qualifications (RFQ) No. 16-17-041 in May 31, 2017, to seek professional engineering services from a qualified firm for the purpose of planning and developing a newly updated and comprehensive Stormwater Master Plan for City of Miami.

It is respectfully requested that you approve the following individuals as members of the Evaluation Committee to evaluate and score the proposals. Each has the requisite knowledge and experience to evaluate the proposals pursuant to the RFQ.

Chairperson (Non-Voting)

Lydia Osborne, CPPO, Assistant Director of Procurement, City of Miami (COM)

City of Miami Staff (Voting)

- 1) Jose Lago, Senior Project Manager, OCI
- 2) Hermes Diaz, Chief Engineer, Public Works Department
- 3) Keith Ng, CFM, Project Manager, OCI

External Committee Members (Voting)

- 1) Virginia Walsh, P.G., Ph.D., Senior Professional Geologist; WASD, MDC
- 2) Jayantha Obeysekera, Department Director, Hydrologic and Environmental Systems Director, South Florida Water Management District
- 3) Samantha Danchuk, PhD., P.E., Assistant Director, Environmental Protection and Growth Management Department, Broward County
- 4) Marcia Steelman, Public Works Department, Stormwater Modeling, MDC

Alternate Committee Members

- 1) Hector Badia, Assistant Director, OCI
- 2) Antonio Cotarelo, Engineer, Deputy Director, Water and Sewer Department (WASD), Miami-Dade County (MDC)

APPROVED: 

Daniel J. Alfonso, City Manager

7-11-17

Date

AP:lo

c: Fernando Casamayor, Assistant City Manager/Chief Financial Officer
Nzeribe Ihekwebaba, Assistant City Manager
Francisco Garcia, Director P&Z
Rafael Suarez-Rivas, Senior Assistant City Attorney
Lydia Osborne, Assistant Director, Procurement

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