# Memorandum



Agenda Item No. 3(B)(4)

Date:

March 7, 2017

To:

Honorable Chairman Esteban Bovo, Jr.

and Members, Board of County Commissioners

From:

Carlos A. Gimenez

Mayor

Subject:

Resolution Ratifying Actions Related to Miami-Dade Water and Sewer

Department's Consent Decree and Capital Improvement Programs Acceleration

Ordinance pursuant to Section 2-8.2.12 of the Miami-Dade County Code

### Recommendation

It is recommended that the Board of County Commissioners (Board) ratify the actions of the County Mayor or County Mayor's designee, as authorized under Section 2-8.2.12 of the Miami-Dade County Code related to Miami-Dade Water and Sewer Department's Consent Decree and Capital Improvement Programs Acceleration Ordinance (WASD Acceleration Ordinance) for the funded projects identified below and on Exhibit A, as attached.

Multi-Year Capital Plan Project

Item 1 — Recommendation to Award: Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects). This item requests ratification of a contract in the total amount of \$5,500,000,000 with a total contract term of six (6) years to Wade Trim, Inc.

- <u>Item 2</u> Recommendation to Award: Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects). This item requests ratification of a contract in the total amount of \$5,500,000.00 with a total contract term of six (6) years to Stantec Consulting Services Inc.
- <u>Item 3</u> Recommendation to Award: Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects). This item requests ratification of a contract in the total amount of \$5,500,000.00 with a total contract term of six (6) years to Black & Veatch Corporation.
- <u>Item 4</u> Recommendation to Award: Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects). This item requests ratification of a contract in the total amount of \$5,500,000.00 with a total contract term of six (6) years to Kimley-Horn and Associates, Inc.

Honorable Chairman Esteban L. Bovo, Jr. and Members, Board of County Commissioners Page 2

<u>Item 5</u> - Recommendation to Award: Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects). This item requests ratification of a contract in the total amount of \$5,500,000.00 with a total contract term of six (6) years to A&P Consulting Transportation Engineers Corp.

### Scope

The commission district of the project locations is noted on Exhibit A. The projects awarded through WASD's Acceleration Ordinance have a countywide impact.

### Fiscal Impact/Funding Source

The fiscal impact and funding source for these projects are detailed on Exhibit A and the other accompanying attachments.

### Track Record/Monitoring

WASD's Deputy Director, Hardeep Anand, will oversee the implementation of these projects.

### **Background**

On September 3, 2014, the Board approved Ordinance No. 14-77 authorizing the County Mayor or County Mayor's designee to award contracts for funded capital projects and related goods and services, and to accelerate the approval of WASD's (1) Consent Decree projects and (2) projects identified in WASD Multi-Year Capital Plan's Capital Improvements Program without the need for prior Board approval but subject to ratification by the Board.

Exhibit A includes the details of the competitively bid award for which ratification is being requested. Exhibit A contains the information bulleted below for the contract award:

- Item Number
- Department Name
- Type of Solicitation
- Contract Type
- Contract No. / Project No.
- Project Name
- Firm Awarded
- Commission District
- Contract Amount
- Funding Source(s)
- Operations and Maintenance Costs
- Estimated Start Date/Estimated End Date
- Contract Measures: SBE Goods & Services; SBE-A/E; SBE-Construction; and CWP Program
- Brief Project Description

Attached as Exhibit B are the recommendations to award of the contracts referenced for Item Nos. 1 through 5 in this memorandum. The contracts listed are executed by the County Mayor or County

Honorable Chairman Esteban L. Bovo, Jr. and Members, Board of County Commissioners Page 3

Mayor's designee in accordance with WASD's Acceleration Ordinance, a copy is available upon request.

Attachments

Jack Osterholt Deputy Mayor

# Exhibit A Ratification of Contract Awards Authorized by the WASD Accelerate Ordinance

		<u> </u>	
Section 2 and 2 and 3 and 3	Diel Floget Description	This project includes engineering design and related services for the design of large diameter wastewater pipellines, sanitary sewer force mains and sanitary sewer gravity interceptors for Ocean Outfall legislation projects. This is one of six non-exclusive professional service agreements for this project.	This project includes engineering design and related services for the design of large diameter wastewater pipelines, sanitary sewer force mains and sanitary sewer gravity interceptors for Ocean Outfall legislation projects.  This is one of six non-exclusive professional service agreements for this project.
	CWP Pro- gram	n/a	Бå
Contract Measures	SBE Construc- tion	),a	π/a
Contract	SBE	20.00%	20.00%
	SBE Goods & Services	함	ž ž
Est. Start Date	Est. End Date	Estimated Notice to Proceed Date: 1/13/12016 Completion Date: 1/130/2022, total contract period is six (6) years	Estimated Notice to Proceed Date: 11/30/2016 Completion Date: 11/30/2022, total contract period is six (6) years
Operations	and Mainte- nance Costs	n/a	당
Funding	Source(s)	Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater	Wastewater Connection Charges; Chutre WASD Revenue Bonds; WASD Revenue Bonds Sold; Bonds Sold; Bonds Sold; WASD Future Future Future Funding and Wastewater
	Contract Amount	\$5,500,000.00	\$5,500,000.00
Commis	sion District	Various Districts	Various
E.	ğ	Wade Trim, inc.	Stantec Consul- ting Services Inc.
	Project Name	Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Phelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Ourfail Legislation Projects)	Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Ourtail Legislation Projects)
Contract No.	Project No.	Project No. E-15-WASD- 01 Contract No. 16WTI001	Project No. E16-WASD- 01 Contract No. 16SCSI02
teg	Туре	Notice to Profes- sional Consul- tants	Notice to Profes- sional Consul- tants
Type of	Solici- tation	County Bid Process	County Bid Process
	Мате	WASD	WASD
	ž	₩.	N

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Exhibit A Ratification of Contract Awards Authorized by the WASD Accelerate Ordinance

Brief Project Description		This project includes engineering design and related services for the design of large diameter wastewater pipelines, sanitary sewer force mains and sanitary sewer gravity interceptors for Ocean Outfall legislation projects. This is one of six non-exclusive professional service agreements for this project.	This project includes engineering design and related services for the design of large diameter wastewater purplices, sanitary sewer force mains and sanitary sewer gravity interceptors for Ocean Outfall legislation projects.  This is one of six non-exclusive professional service agreements for this project.
	CWP Pro- gram	n/a	e/u
Contract Measures	SBE Construc- tion	P.P.	퉏
Contract	SBE	20,00%	20.00%
]	SBE Goods & Services	nfa	\$ E
Est. Start Date	Est. End Date	Estimated Notice to Proceed Date: 12/30/2016 Completion Date: 12/30/2022, total contract period is six (6) years	Estimated Notice to Proced Date: 12/30/2016 Completion Date: 12/30/2022, total confract period is six (6) years
Operations and Mainte-	nance Costs	11/a	Ā
Funding	Source(s)	Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund	Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund
Coairact Amount		\$5,500,000.00	56,500,000.00
Сомпіз-	sion District	Various	Various
	Awarded	Black & Veatch Corporation	Kimley- Hom and Associa- tes, Inc.
Second design	Project Name	Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Inferreports Group A (Non-Ocean Outfall Legislation Projects)	Non-Exclusive Professional Services Agreement for Enginearing Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects)
Contract No.	Project No.	Project No. E15-WASD- 01 Contract No. 16BVC004	Project No. E15-WASD- 01 Contract No. 16KHAJ04
Contract	Туре	Notice to Profes- sional Consul- tants	Notice to Profes- sional Consul- tants
Type of	Solici- tation	County Bid Process	County Bid Process
<b>1</b> ——	Мате	WASD	WASD
Item	Š	n	4

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Exhibit A Ratification of Contract Awards Authorized by the WASD Accelerate Ordinance

Brief Project Description		This project includes engineering design and related services for the design of large diameter wastewater pipelines, sanitary sewer force mains and sanitary sewer gravity interceptors for Ocean Ourfall legislation projects. This is one of six non-exclusive professional service agreements for this professional service agreements for this
	CWP Pro- gram	ē.
Contract Measures	SBE Construc- tion	본
Contract	SBE	20.00%
	SBE Goads & Services	6 <b>∤</b> ⊓
Est. Start Date	Est End Date	Estimated Notice to Proceed Date: 10/31/2016 Completion Date: 10/31/2022, total contract period is six (6) years
Operations	and Mainte- nance Costs	n/a
Funding	Source(s)	Wastewater Connection Charges; Ruture WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund
	Contract Amount	\$5,500,000.00
Commis	sion District	Various
E	U	A&P Consul- fing Trans- portation Engi- neers Corp.
	Project Name	Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects)
Contract No.	Project No.	Project No. E16-WASD- 01 16APCT005
tochase	Type	Notice to Profres- sional Consul- tants
	Solici- tation	County Bid Process
De <b>pt</b> Name		WASD
No.		va

Total Dollar Value of Award: \$27,500,000.00

Memorandum

MIAMI-DADE COUNTY

Date:

November 18, 2016

To:

Honorable Carlos A. Gimenez

Mayor

From:

Lester Sola, Director

Water and Sewer Department

Subject:

Recommendation approving award of a Non-Exclusive Professional Services

Agreement to Wade Trim, Inc. for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation

Projects) - Project No. E15-WASD-01; Contract No. 16WTI001

### RECOMMENDATION:

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee approve the attached Non-Exclusive Professional Services Agreement to Wade Trim, Inc. for engineering design and related services for the design of large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors. Group A (Ocean Outfall Legislation Projects) — Project No: E15-WASD-01; Contract No: 16WTI001. The total compensation amount is \$5,500,000 with a total contract term of six (6) years. For this Project, Miami-Dade County intends to retain six (6) qualified firms under six (6) separate Professional Services Agreements. This contract award recommendation was prepared by WASD.

### **DELEGATION OF AUTHORITY:**

Pursuant to the provisions of Section 2-8.2.12 of the Miami-Dade County Code, the County Mayor or County Mayor's designee will have the authority to execute, amend and terminate the Agreement and to resolve disputes. Additionally, pursuant to the provisions of Sections 2-8.2.12 (4)(d) and (e) of the Code, the County Mayor or County Mayor's designee will have the authority to amend and/or extend the Agreement to complete any unfinished work, waive liquidated damages, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount.

### PROJECT NAME:

Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects).

### PROJECT DESCRIPTION:

Wade Trim, Inc. will provide engineering services for utility design, including planning and permitting assistance during construction for system upgrades to large sewer pipelines. The scope of services consists of complete design services, which includes, but is not limited to: performance of preliminary route analysis; site investigations; surveying; maintenance of traffic plans; hydraulic analysis; coordination with other utilities; coordination with other municipalities and the public; preparation of design reports; preparation of drawings and contract specifications; preparation of design-build criteria packages; assistance during the permitting and procurement phases; and engineering support during construction. Engineering support during construction is anticipated to include, but is not limited to: periodic site inspections; attendance at meetings; review of shop drawings; responding to requests for information; reviewing claims and potential change orders; reviewing contract schedules and

schedule of values; and reviewing as-built drawings. Project coordination services are anticipated to include, but are not limited to: establishing a plan to implement projects; establishing and tracking project schedules, budgets and deadlines; preparing status reports; and attending meetings as requested.

PROJECT LOCATION:

Throughout Miami-Dade County

PRIMARY COMMISSION DISTRICT:

Various Commission Districts

### APPROVAL PATH:

Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12 of the Code of Miami-Dade County.

MANAGING DEPARTMENT:

Miami-Dade Water and Sewer Department

SMALL BUSINESS DEVELOPMENT (SBD):

**REVIEW DATE:** 

08/10/2015

SIGNOFF DATE:

08/13/2015

**RESUBMITTAL DATE:** 

11/25/2015

SIGNOFF DATE:

11/25/2015

01/29/2016

02/01/2016

SBD ASSIGNED CONTRACT MEASURES: See attached Exhibit "A", "Project Worksheets".

TYPE	GOAL	COMMENT
SBE-A/E	20.00%	Implementing Order 3-32
SBE-Goods and Services	N/A	Implementing Order 3-41

### PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

Туре	Code	Description
Prime	6.01	Water Distribution and Sanitary Sewer Systems - Water
	•	Distribution and Sanitary Sewer Collection and Transmission
		Systems
Prime	17.00	Engineering Construction Management
Other	15.01	Surveying and Mapping – Land Surveying
Other	16,00	General Civil Engineering

### SUBCONSULTANTS:

The chart below indicates the list of Subconsultants that will be utilized under this Agreement and which of those Subconsultants are being used to meet the Small Business Enterprise measures as indicated above. See attached Exhibit "B", "Letters of Agreement".

SUBCONSULTANT	GOAL	SERVICES
Gresham, Smith and Partners	N/A	Pipe services
Keith and Associates, Inc.	11%	Survey services
McMillen Jacobs Associates	N/A	Trenchless technology services
Premiere Design Solutions, Inc.	9%	Civil and design support services

APPLICABLE WAGES (RESOLUTION No. R-54-10):

No ...

**MANDATORY CLEARING HOUSE:** 

### FISCAL IMPACT / FUNDING SOURCE:

Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund.

### **CAPITAL BUDGET PROJECT # - DESCRIPTION:**

See attached Exhibit "C", "Capital Budget Information".

PTP FUNDING:

No

GOB FUNDING:

No

ARRA FUNDING:

No

**SUSTAINABLE BUILDINGS ORDINANCE:** (Ord. 07-65): This project does not qualify for compliance with the Sustainable Buildings Ordinance.

TOTAL CONTRACT PERIOD:

Six (6) years

IG FEE INCLUDED IN BASE CONTRACT: Yes

**ART IN PUBLIC PLACES:** 

No

BASE CONTRACT AMOUNT:

\$5,000,000

CONTINGENCY ALLOWANCE

IN ACCORDANCE WITH

ORDINANCE 00-65:

\$ 500,000

TOTAL CONTRACT AMOUNT:

\$5,500,000

SEA LEVEL RISE (ORD. NO. 14-79): The impact of sea level rise will be considered as part of the design.

### TRACK RECORD / MONITOR: None

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD Procurement Guidelines to determine responsibility, including verifying corporate status and performance and compliance data. The lists that were reviewed include: convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to Wade Trim, Inc.'s responsibility. This information is being provided pursuant to Resolution R-187-12.

### **EXPLANATION:**

On September 2, 2015, a Notice to Professional Consultants was issued under full and open competition for seven (7) separate Non-Exclusive Professional Services Agreements with a total compensation amount of \$5,000,000 each. On November 30, 2015, Request to Advertise (RTA) Revision No. 1 was filed with the Clerk of the Board to modify the total amount of Professional Services Agreements from seven (7) to three (3) with a total compensation amount of \$10,000,000. See attached Exhibit "D", "RTA Revision No. 1". After receiving industry feedback, WASD revisited the scope of services and minimum experience and qualifications and filed RTA Revision No. 2 on February 12, 2016, with the Clerk of the Board. RTA Revision No. 2 increased the amount of Professional Services Agreements from three (3) to eight (8) with a total compensation amount of \$5,000,000. See attached Exhibit "E", "RTA Revision No. 2". On March

11, 2016, the Clerk of the Board received twenty-one (21) proposals in response to this solicitation. See attached Exhibit "F", "List of Respondents".

### FIRST-TIER MEETING:

At the First-Tier "Evaluation of Qualifications" meeting held on June 23, 2016, the Competitive Selection Committee reviewed and ranked the twenty-one (21) proposals. The Competitive Selection Committee evaluated and ranked the firms in the order listed below. See attached Exhibit "G", "First-Tier Tabulation Sheet".

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
A&P Consulting	460	1	12	1
Transportation Engineers	276			
Corp.				
Black and Veatch	451	4	15	2
Corporation	268			
Kimley-Horn Associates,	457	1	19	3
Inc.	278			
Stantec Consulting Services	443	1	21	4
Inc.	276			
Jacobs Engineering Group,	450	2	23	5
Inc.	272		İ	
Wade Trim, Inc.	446	3	25	6
	275			
EAC Consulting, Inc.	443	5	25	7
]	264			
Parsons Brinkerhoff, Inc.	445	3	26	8
·	269			
Tetra Tech, Inc.	446	5	26	9
i i	264			
CES Consultants, Inc.	438	5	29	10
· I	263			
King Engineering	442	4	31	11
Associates, Inc.	265			
Gannett Fleming, Inc.	439	6	34	12
	262			
Hazen and Sawyer, P.C.	438	6	34	13
	261			
Parsons Water and	434	7	34	14
Infrastructure, Inc.	259			
Keith and Schnars, P.A.	433	16	35	15
	258			
T.Y. Lin International	428	8	39	16
	253			
BCC Engineering, Inc.	425	7	45	17
	259		_	
Woolpert, Inc.	426	7	46	18
	254			

A.D.A. Engineering, Inc.	425 252	9	47	19
CAS Engineering, Inc.	412 247	10	55	20
CSA Central, Inc.	399 239	10	60	N/A

The Competitive Selection Committee by majority vote decided not to hold a Second-Tier (Oral Presentation) meeting and recommended the following firms listed below to the County Mayor or County Mayor's designee for approval to negotiate a contract:

Group A (Ocean Outfall Legislation Projects)

- 1. A&P Consulting Transportation Engineers Corporation
- 2. Black and Veatch Corporation
- 3. Kimley-Horn Associates, Inc.
- 4. Stantec Consulting Services Inc.
- 5. Jacob Engineering Group, Inc.
- 6. Wade Trim, Inc.

Group B (Non Ocean Outfall Legislation Projects)

- 7. EAC Consulting, Inc.
- 8. Parsons Brinkerhoff, Inc.

On July 6, 2016, SBD completed its review for compliance with SBE measures as noted above and determined that twenty (20) firms were in compliance with the exception of CSA Central, Inc. See attached Exhibit "H", "SBD Compliance Review".

The Negotiation Committee was approved by the County Mayor's designee on July 27, 2016. See attached Exhibit "I", "Negotiation Authorization". On August 11, 2016, the Negotiation Committee met and concluded negotiations with Wade Trim, Inc.

SUBMITTAL DATE:

March 11, 2016

**ESTIMATED NOTICE TO PROCEED:** 

November 30, 2016

A/E COMPANY:

Wade Trim, Inc. Tim O' Rourke, PE

PRINCIPAL/COMPANY QUALIFIER:

tbrzezinski@wadetrim.com

**EMAIL ADDRESS:** 

COMPANY ADDRESS:

2100 Ponce de Leon Boulevard, Suite 970

Coral Gables, Florida 33134

YEARS IN BUSINESS:

32 Years

### PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm History Report provided by the Internal Services Department, Division of Small Business Development, Wade Trim, Inc. has not been awarded any contracts in the past three years.

Based on the Internal Services Department's CIIS database, Wade Trim, Inc. does not have any evaluations in the CIIS system.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipelines transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting and construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team should demonstrate their successful design experience with trenchless technologies, including but not limited to micro-tunneling and horizontal directional drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

CONTRACT MANAGER NAME/PHONE/EMAIL: Patty Palomo/786-552-8040/

Patty.Palomo@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: Victor Fernandez-Cuervo/786 268-5310/

Victor.Fernandez-Cuervo@miamidade.gov

### BACKGROUND:

The Request to Advertise and the two Revisions to the Request to Advertise identified both water and wastewater projects that needed to be completed. WASD will be recommending a total of eight (8) firms under eight (8) separate professional services agreements. Six firms will work on large diameter sewer pipelines for Ocean Outfall legislation projects, and two (2) firms will on work on large diameter water pipelines for non-Ocean Outfall legislation projects. This Agreement with Wade Trim, Inc. is one (1) of the six (6) agreements that will be issued for wastewater projects.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has developed a Multi-Year Capital Improvement Program (CIP) to upgrade its infrastructure system throughout the County in order to renew and replace its existing deteriorated system and to ensure efficient, reliable water and wastewater systems throughout the County in order to accommodate future growth and development. WASD recognizes the need for design

services for large pipeline design and implementation of critical projects which are an integral part of the CIP.

**OMB DIRECTOR** 

Approved as to legal sufficiency:

Saida Elavete Dailo

**ASSISTANT COUNTY ATTORNEY** 

11/10/16

LESTER SOLA ON BEHALF OF COUNTY MAYOR CARLOS GIMENEZ

### EXHIBIT A



### Small Business Development Division Project Worksheet

Project/Contract Title:

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN

Received Date:

OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR

THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM 11/25/2015

Project/Contract No:

ELS-WASD-01

Funding Sources

08/03/2015 Resubmittal Date(s):

Department:

WASD REVENUE BONDS

01/29/2016

WATER AND SEWER

SOLD

Estimated Cost of Project/Bid: \$44,000,000.00 Description of Project/Bid:

To establish a contract seeking three (3) engineering thrus to provide engineering design and related services for the design of large dismeter and wastewater pipelines for WASD's wastewater and water collection, transmission and distribution system.

	Measures Recommend	fatton .
Measure Goal	<u>Program</u> SBE/AE	Goal Percent 20,00%
No Measure	SBE/GS	

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一个大学的 "上三十年,不是是是一个,这一个人的一个人的,我们就是这个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一	A. P. LINGS COUNTY OF THE TRANSPORT	(INDEX OF STREET		
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This resubmitted increases the number agreements to be established from (3) to (8) and increases the overall contract amount from \$11 million to \$44 million.

BIS-WASD-01 will establish eight (8) agreements at \$5.5 million each, a 10% confingency allowance included.

SMALL BUSINESS ENTERPRISE - ARCHITECTURAL & ENGINEBRING (SBE/AB)

An analysis of the Radiors contained in the project package, as well as the factors contained in Section V. B. Z. C. of Implementing Order 3-32 and the responses of earthfied SBE/AB firms to the Verlifeation of Availability to Propose process indicates that a 20% SBE/AB Sub-Consultant Goal is appropriate for this contract. Verification of Availability to propose letters were sent to the SDE/AE firms certified in the technical categories below. Three (3) or more firms did not respond to Verification of Availability process as being able to salisfy the contract's requirements.

small business enterphise - goods & SBRVICES (SBB/GS)

An analysis of Implementing Order 3-41 & Ordinance 14-41, as well as the project package indicates a No Measure appropriate to the SBE/GS portion of this contract.

Commodity Code: 91812-Analytical Studies And Surveys (Consulting)

Technical Calegory: 0501-W & S Sewer Sys-Water Dial & Saultary Sewage Coll; 1501-Surveying And Mapping-Land Surveying; 1600-General Civil

Engineering: 1700-Engineering Construction Management

A Smallelaines Contin	<u> </u>		% of Items	
Subtrade	Cat,	Estimated Value	to Base Bid	Availability
w & S sewer sys-water dist & sanitary sewage	SBE/AE	\$3,080,000.00	7.00%	
COLL SURVEYING AND MAPPING-LAND SURVEYING	sbe/ab	\$2,200,000.00	5,00%	
GENERAL CIVIL ENGINEERING	SBE/AB	\$2,200,000.00	5,00%	
BNGINEERING CONSTRUCTION MANAGEMENT	\$BE/AB	\$1,320,000.00	3.00%	
	SBB/GS			
	Cotal	\$8,800,000.00	20.00%	

Living Wagos: Responsible Wages: YES

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal find. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



# Small Business Development Division Project Worksheet

Project/Contract Title:

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND

WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

Project/Contract No:

B15-WASD-01

Funding Source:

WASD REVENUE BONDS

Received Date:

Resubmittel Date(s): 08/03/2015

11/25/2015

01/29/2016

Departments

WATER AND SEWER

SOLD

Estimated Cost of Project/Bid: \$44.000.000.00

The same wife and the same and	world who was the form a first the same of	:3 A
	TEW RECOMMENDATION	9
Tier 1 Set Asido	Tier 2 Set Aside	
Set Aside Loyel 1	Level 2Level 3	
Trade Set Aside (MCC)	Goal Bid Preference	
No Measuro	Deferred Selection Factor	
CWF	SBD Director Dato	<u>d</u> _
<u> </u>		

# **EXHIBIT B**

# Letter of Agreement (LOA) Community Business Enterprise Program



# Community Business Enterprise Program

THIS SECTION MUST B	E COMPLET	ED BY PRIME	E PROPOSER/DESIGN-BUILDER	e ·
From: Wade Trim, Inc.	•			
Name Name	e of Prime Pr	oposer / Desig	m-Builder	
Community Business Enterprise (CBE- the contract. The undersigned further assignment(s) to be performed upon e	A/E) firm liste certifies that t xecution of th	ed below, perfor he firm has been e contract with	SD-01 , the undersigned hereby agrees rming the stated work at the stated percenta en contacted and properly apprised of the particle. Miami-Dade County. Further, by signing s of the CBE Ordinance No. 01-103 as amen	ge, if awarded projected work this Letter of
int on tone there	oth and Acco	ciates Inc		
*Name of Proposed CBE-A/E Firm: Ke	ilii allu Asso	Clates, IIIC,		1
Name of Certified CBE-A/E *Prime/Sub (CBE meeting the goal)	CBE-A/E Certification No.	CBE-A/E Certification Exp.	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
Keith and Associates, Inc.	14017	11/30/17	15.01	11%
I certify that the representations control  NMWO DY  Proposer's / Design Builder Signature	Tom Br	zezinski, Exec	st of my knowledge true and accurate cutive Vice President lder's Name/Title (Print) (Date	<del>)</del>
COMPLETE THE	CEPTION O	NI V EAD BE	SIGN/BUILD PROJECTS	
I certify that the representations conta			•	
Lead A/E Firm Signature	Le	ad A/E Firm No	ame/Title (Print) (Dat	<del>e)</del> .
ACKNOWLEDGMEN  The undersigned has reasonably unco- certifications necessary to provide such and the ability to otherwise meet the pro- CBE Subconsultant Signature	TBY THE PR mmitted capace a services, the oposal specifics )	OPOSED COI ity sufficient to ability to provi ations. <u>March</u> Da		and technical
Eliot Lazowick CBE Subconsultant Name (Print)		Executive Vic Title	<u>ce President</u>	
Keith and Associates, Inc.				
Name of CBE-A/E Firm	Devariment of Smal	I Business Develops	rent	CBE FORM 105

# Letter of Agreement (LOA) Community Business Enterprise Program



THIS SECTION MUST E	E COMPLET	ED BY PRIM	E PROPOSER/DESIGN-BUILDER	
From: Wade Trim, Inc.	•		,	
	ne of Prime Pr	oposer / Desig	gn-Builder	
Community Business Enterprise (CBE the contract. The undersigned further assignment(s) to be performed upon a Agreement the undersigned consents to	-A/E) firm lists certifies that texecution of the bound by a	ed below, perforthe firm has be the firm has be e contract with the Provision	SD-01 , the undersigned hereby agreess rming the stated work at the stated percents en contacted and properly apprised of the Miami-Dade County. Further, by signing s of the CBE Ordinance No. 01-103 as amendation.	age, if awarde projected wor g this Letter o
*Name of Proposed CBE-A/E Firm:	Premiere Des	sign Solutions	s, IIIc.	<del></del>
Name of Certified CBE-A/E *Prime/Sub (CBE meeting the goal)	CBE-A/E Certification No.	CBE-A/E Certification Exp.	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
Premiere Design Solutions, Inc.	14232	5/31/18	6.01 & 17.00	9%
Proposer's / Design Builder Signature  COMPLETE THIS  I certify that the representations conta	Proposer	s / Design-Bui	ecutive Vice President  Ider's Name/Title (Print) (Date  SIGN/BUILD PROJECTS  st of my knowledge true and accurate	e)
Lead A/E Firm Signature	Le	ad A/E Firm No	ame/Title (Print) (Dar	te)
ACKNOWLEDGMEN The undersigned has reasonably unco	T BY THE PR mmitted capac h services, the oposal specific	OPOSED COI ity sufficient to ability to provi ations.		s and technical
Premiere Design Solutions, Inc. Name of CBE-A/E Firm	December of Co.	II Puoluare Novaloru	•	CBE FORM 105

# **EXHIBIT C**

# FY 2016 - 17 Proposed Budget and word Tear Capital Plan

UPGRADE OF MIAMI SPRINGS PI DESCRIPTION: Upgrade elect	UMP STATIONS				G(GOB)	PROJE	ECT #: 96	7730	<u>-</u>
<ul> <li>LOCATION: Various Sites</li> <li>Various Sites</li> </ul>		,	Distr	lct Located: lct(s) Served:		6 Systemwl	de		
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
BBC GOB Financing BBC GOB Series 2008B-1	20 559	40 0	111 0	<b>100</b> 0	0	. 0	, 0	0	271 559
BBC GOB Series 2011A	8	0	0	0	. 0	. 0	0	0	. 559 8
TOTAL REVENUES:	587	40	111	100	0	0	0	0	838
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	587	40	111	100	0	0	0	0	838
TOTAL EXPENDITURES:	587	40 ,	111	100	. 0	0	0	. 0	838
WASTEWATER COMMERCIAL CO	ORRIDORS ECO					PROJE	ECT#: 96	8090	•
LOCATION; Various Sites	ARI SCIAICE IN COISI	merorar brobe		let Located:		TBD			
	aml-Dade County			ict(s) Served:		TBD			
	·			-					
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	. 0	561	882	435	5,364	5,859	3,000	134,493	150,594
WASD Revenue Bonds Sold	3,319	0	0	0	<u> </u>	0	0		3,319
TOTAL REVENUES:	3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction Land Acquisition/improvements	2,656 · 132	449 22	706 35	348 17	4,291 215	4,687 234	2,400 120	107,594 5,380	123,131 6,165
Planning and Design	531	90	141	70	858	938	480	21,519	24,627
TOTAL EXPENDITURES:	3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
	. ,			•					
WASTEWATER COLLECTION AND						PROJE		8150	
DESCRIPTION: Design, constr LOCATION: Various Sites	uct, and rehabilitet	е солесцов а		on intrestructu ict Located;	Le mués lo cou	apıy wita EPA Countywk		ree	
	aml-Dade County			ct(s) Served:		Countywic			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	78,223	7,223	54,200	42,277	20,770	15,024	15,273	136,984	,369,974
WASD Revenue Bonds Sold Wastewater Connection Charges	42,645 16,489	0 4 <sub>1</sub> 964	0	0	0 0	0	0 0	0 0	42,645 21,453
Wastewater Renewal Fund	8,082	4 <sub>1</sub> 504 0	0	0	0	. 0	u 0	u 0	21, <del>4</del> 53 8,082
TOTAL REVENUES:	145,439	12,187	54,200	42,277	20,770	15,024	15,273	136,984	442,154
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	92,876	47,411	48,238	37,627	18,485	13,371	13,593	121,916	393,517
Major Machinery and Equipment	7,304	3,729	3,794	2,959	1,454	1,052	1,069	9,589	30,950
Planning and Design	4,175	2,131	2,168	1,691 /	831	601	611	5,479	17,687
TOTAL EXPENDITURES:	104,355	53,271	54,200	42,277	20,770	15,024	15,273	136,984	442,154

WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS

DESCRIPTION: Replace and install new pipelines in areas requiring service improvements

LOCATION:

Various Sites

Various Sites

District Located: District(s) Served: PROJECT #: 968750

Systemwide Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
WASD Revenue Bonds Sold	1,438	0	0	0	0	. 0	0	0	1,438
Wastewater Renewal Fund	10,933	0	3,000	3,000	3,000	3,000	3,000	3,000	28,933
TOTAL REVENUES:	12,371	0	3,000	3,000	3,000	3,000	3,000	3,000	30,371
EXPENDITURE ȘCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,371
TOTAL EXPENDITURES:	9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,371

MIAMI SPRINGS CONSTRUCTION FUND - WASTEWATER

DESCRIPTION;

Construct wastewater collection system improvements in Miami Springs

LOCATION:

Mlami Springs District Located:

Miaml Springs

District(s) Served:

PROJECT #: 969110

REVENUE SCHEDULE: Mlaml Springs Wastewater Construction Fund	PRIOR 1,326	2016-17 0	<b>2017-18</b> 0	2018-19 . 0	2019-20 0	2020-21 0	2021-22 0	FUTURE 0	TOTAL 1,326
TOTAL REVENUES:	1,328	0	0	0	0	0	0	0	1,326
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	866	148	312	, 0	0	0	0	0	1,326
TOTAL EXPENDITURES:	866	148	312	0		ó	0	0	1.326

WATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

PROJECT #: 9610960

DESCRIPTION; LOCATION; Upgrade water treatment plants to meet regulatory requirements

Water Treatment Plants

District Located:

Systemwide

6

6

District(s) Served;

Various Sites

Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,500	8,032	7,366	127	0	0	0	18,025
WASD Revenue Bonds Sold	2,934	0	0	0	0	0	0	0	2,934
Water Construction Fund	344	0	0	0	0	0	0	ø	344
Water Renewal and Replacement Fund	335	0	0	0	0	0	Đ	0	335
TOTAL REVENUES:	3,613	2,500	8,032	7,366	127	0	0	0	21,638
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3,678	2,475	7,952	7,292	125	0	0	0	21,422
Planning and Design	35	25	80	74	2	Ω	n	n	216
, renting and Boargin	งง	20	_ 00	17				•	



<u> </u>										
GRAVITY SEWER'RI	ENOVATIONS			•			PROJE	CT#: 96	50201	
DESCRIPTION;	Rehabilitate gravit	y sewers to rea	duce Infiltratio	n and Inflow						
LOCATION:	Systemwide				ct Located:		Systemwlo			
	' Varlous Sites	•		Distri	ict(s) Served;	•	Systemwic	de		
REVENUE SCHEDULE	_	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue		3,670	1,376	1,258	1,050	2018 <b>-</b> 20	350	2021-22	0 ,	8,578
WASD Revenue Bonds		5,153	. 0	1,200	1,000	000	0	0	Ŏ	5,153
TOTAL REVENUES:	. =	8,823	1,376	1,258	1,050	650	350	224	0	13,731
EXPENDITURE SCHEL	ATTE	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	,	8,381	1,307	1,195	998	618	333	213	0	13,045
Planning and Design		442	69	63	52	32	17	.11	Õ	686
TOTAL EXPENDITURE	:S;	8,823	1,376	1,258	1,050	650	350	224	0	13,731
,		-1	-4	.,	.,.					•
				•						
SÁNITARY SEWER						•	PROJE		50221	
DESCRIPTION:	Construct sanitary districts	sewer system	improvemen	ts using funds	from the spec	lal constructio	n fund Includi	ng special tax	ling	
LOCATION:	Systemwide			Distri	lct Located:		Systemwi	de		
	Various Sites	•		Distr	ict(s) Served:	1	Systemwi	de		
•		,			•					
-	-									
REVENUE SCHEDULE		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Wastewater Special Co	onstruction Fund _	50,380	0	0	0	. 0	0	0	0	50,380
TOTAL REVENUES:		50,380	. 0	0	.0	0	0	0	0	50,380
EXPENDITURE SCHEE	OULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	_	5,288	2,500	2,500	2,500	2,500	2,500	32,592		50,380
TOTAL EXPENDITURE	S:	5,288	2,500	2,500	2,500	2,500 ·	2,500	32,592	0	50,380
			•							
CENTRAL MIAMI-DA	DE WASTEWAT	ER TRANSI	MISSION MA	UNS AND P	UMP STATIC	Й	PROJE	ECT#: 96	50241	
IMPROVEMENTS DESCRIPTION:	Construct a force	mala oracelna	Boor Cut o fo	, vrce main in Fi	agler St from S	SIN 37 Ava to	SW 10 Ave a	and a force m	ain	
DEGOMETION.	from Mlami Beach					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ON IO AND I	itin a toloc III	. •	
·LOCATION:	Wastewater Syste				lct Located:		Systemwi	de	1	t
	City of Miami			Distri	lct(s) Served:		Systemwi	de		
•					•	-				
REVENUE SCHEDULE		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue		1,132	7,127	17,360	17,450	18,583	19,421	13,430	55,255	149,758
WASD Future Funding	, 1201100	,, 102 D	0	0	. 0	0,550	0	0	828	828
	: Sold	6,505	Õ	. 0	ō	ō	0	0	0	6,505
WASD Revenue Bonds		13,352	6,132	4,000	5,000	5,000	7,000	7,000	17,732	65,216
WASD Revenue Bonds Wastewater Connection	n Charges	10,004					26,421	20,430	73,815	000 000
	n Charges	20,989	13,259	21,360	22,450	23,5B3		20,700		222,301
Wastewater Connection	=		13,259 2016-17	21,360 2017-18	22,450 2018-19	23,583 2019-20	2020-21	2021-22	FUTURE	
Wastewater Connection TOTAL REVENUES:	=	20,989								TOTAL
Wastewater Connection TOTAL REVENUES: EXPENDITURE SCHEE	=	20,989 PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	222,307 TOTAL 191,183 31,124
Wastewater Connection TOTAL REVENUES: EXPENDITURE SCHED Construction	- PULË: -	20,989 PRIOR 10,010	<b>2016-17</b> 9,419	201 <b>7-</b> 18 17,377	2018-19 17,673	2019-20 19,717	2020-21 21,601	2021-22 17,570	FUTURE 77,816	TOTAL 191,183

WATER GENERAL MAINTENANCE A DESCRIPTION: Construct regions				/ lles, and slora	ge watehouse	PROJE	CT#: 96	50271	•
LOCATION: Systemwide Various Sites	2 gotto: - 1 (11-11)	<b>7</b> /1-1/	Distri	ct Located; ct(s) Served:	g • 11 <u>41</u> 0/12	Systemwic Systemwic			
REVENUE SCHEDULE; Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,335	2016-17 8,520 0	2017-18 11,759 0	2018-19 11,192 0	2019-20 5,637 0	2020-21 18,040 0	<b>2021-22</b> 349 0	FUTURE 0 0	TOTAL 55,497 1,335
TOTAL REVENUES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,832
EXPENDITURE SCHEDULE; Construction Planning and Design	PRIOR 1,201 134	2016-17 7,668 852	2017-18 10,583 .1,176	2018-19 10,073 1,119	2019-20 5,073 564	2020-21 16,236 1,804	2021-22 314 35	FUTURE 0 0	TOTAL 51,148 5,684
TOTAL EXPENDITURES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,832

WASTEWATER EQUIP	MENT AND V	PROJE	CT#: 9	650301						
DESCRIPTION: Acquire vehicles, equipment, and a LOCATION: Systemwide Various Sites			d associated v	Distri	stem capital si let Located: let(s) Served:	upport materials	Systemwle Systemwle			
REVENUE SCHEDULE;		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
WASD Revenue Bonds S	old	552	0	0	0	0	0	. 0	0	552
Wastewater Renewal Fur	ıd	41,380	12,436	11,600	11,500	11,500	11,500	11,500	11,500	122,816
TOTAL REVENUES:	•	41,932	12,436	11,500	11,500	11,500	11,500	11,500	11,500	123,368
EXPENDITURE SCHEDU	LE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Major Machinery and Equ		35,875	18,493	11,500	11,500	11,500	11,500	11,500	11,500	123,368
TOTAL EXPENDITURES	,	35 875	18 493	11 500	11.500	11.500	11.500	11.500	11.500	123.368

WASTEWATER SYS	TEM MAINTENA Maintain and deve		• •							
LOCATION;	Systemwide Various Sites		District Located: District(s) Served:				Systemwide Systemwide			
REVENUE SCHEDULE WASD Revenue Bond Wastewater Renewal I	s Sold	PRIOR 3,188 38,387	2016-17 0 18,428	2017-18 0 20,000	2018-19 0 20,000	2019-20 0 20,000	2020-21 0 20,000	2021-22 0 20,000	FUTURE 0 20,000	TOTAL 3,188 176,815
TOTAL REVENUES:  EXPENDITURE SCHEI  Construction	=	41,575 PRIOR 41,575	18,428 2016-17 18,428	20,000 2017-18 20,000	20,000 2018-19 20,000	20,000 2019-20 20,000	20,000 2020-21 20,000	20,000 2021-22 20,000	20,000 FUTURE 20,000	180,003 TOTAL 180,003
TOTAL EXPENDITURE	ES:	41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003

LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS PROJECT #: 9650371 DESCRIPTION: Repair, replace, and upgrade existing lift stations throughout the wastewater system LOCATION: Systemwide District Located: Systemwide District(s) Served: Various Sites Systernwide **FUTURE** TOTAL REVENUE SCHEDULE; PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 52,429 29,000 Future WASD Revenue Bonds 650 2,500 3,058 4,500 4,049 4,500 4,172 WASD Revenue Bonds Sold 2,009 2,009 0 0 D 0 0 ß 2,000 18,344 Wastewater Renewal Fund 6,344 0 2,000 2,000 2,000 2,000 2,000 TOTAL REVENUES: 72,782 9,003 2,500 5,058 6,500 6,049 6,500 6,172 31,000 TOTAL EXPENDITURE SCHEDULE: PRIOR **FUTURE** 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 55,315 Construction 4,597 23,560 6,798 1,946 3,844 4,940 4,940 4,690 Land Acquisition/Improvements 10,188 1,251 358 708 910 847 910 864 4,340 Planning and Design 256 506 650 605 650 618 3,100 7,279 894 TOTAL EXPENDITURES: 6,049 6,172 72,782 8,943 2,560 5,058 6,500 6,500 31,000 Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$5,000,000

WATER MAI	I EXTENSIONS
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PROJECT #:

9651051

DESCRIPTION: Construct water main extensions funded from the special construction fund, including special taxing districts Systemwide District Located:

LOCATION:

Various Sites

District(s) Served:

Systemwide

Systemwide

REVENUE SCHEDULE; Water Special Construction Fund	PRIOR	2016-17	2017-18	2018 <b>-</b> 19	2019-20	2020-21	2021 <b>-</b> 22	FUTURE	TOTAL
	7,087	596	1,000	1,000	1,000	2,000	2,000	· 0	14,682
TOTAL REVENUES;	7,087	595	1,000	1,000	1,000	2,000	2,000	0	14,682
EXPENDITURE SCHEDULE: Construction	PRIOR	2016-17	2017-16	201 <b>8-1</b> 9	2019-20	2020-21	2021-22	FUTURE	TOTAL
	6,182	1,500	1,000	1,000	1,000	2,000	2,000	0	14,682
TOTAL EXPENDITURES:	6,182	1,500	1,000	1,000	1,000	2,000	2,000	0	14,682

### SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS

**IMPROVEMENTS** 

DESCRIPTION: LOCATION:

Wastewater System - South District Area

· Construct piping improvements to pump station number 536 and force main upgrade in SW 117 Ave District Located;

Systemwide

PROJECT #: 9651061

Various Sites

District(s) Served:

Systemwide

	٠.								
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	1,962	8,212	18,269	23,917	28,324	23,162	17,911	160,934	282,691
WASD Future Funding	0	0	0	0	0	0	. 0	24,390	24,390
WASD Revenue Bonds Sold	1,360	0	0	0	0	0	- 0	0	1,360
TOTAL REVENUES:	3,322	8,212	18,269	23,917	28,324	23,162	17,911	185,324	308,441
EXPENDITURE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	2,724	6,734	14,981	19,612	23,226	18,993	14,687	151,966	252,923
Planning and Design	598	1,478	3,288	4,305	5,098	4,169	3,224	33,358	55,518
TOTAL EXPENDITURES;	3,322	8,212	18,269	23,917	28,324	23,162	17,911	185,324	308,441

		<del></del>			-	>====	074 00	r4074	
PUMP STATION IMPROVEMENTS I	PROGRAM stations systemw	lde to meet fo	rorsetod dom:	ando		PROJE	C1#: 96:	51071	
DESCRIPTION: Upgrade pump : LOCATION: Systemwide	eigionis systemin	ige to lifeer to		ct Located;		Systemwic	ie		
Various Sites			Distri	ct(s) Served;		Systemwic	ie		:
•									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	46,205	12,545	27,085	27,972	4,611	4,536	4,536	166,312	293,802
WASD Revenue Bonds Sold	13,450	. 0	0	0	. 0	0	0	0	13,450
Wastewater Connection Charges	13,000	11,300	7,000	8,056	0	0	. 0	0	39,356
TOTAL REVENUES:	72,655	23,845	34,085	36,028	4,611	4,536	4,536	166,312	346,608
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	`TO,TAL
Construction	61,197	29,174	30,716	31,620	11,394	4,082		149,681	311,946
Land Acquisition/Improvements	568	324	342	352	127	46	46	1,663	3,468
Major Machinery and Equipment	569	324	341	351	126	45	45	1,663	3,464
Planning and Design	4,561	2,593	2,731	2,811	1,013	363	363	13,305	27,730
TOTAL EXPENDITURES:	56,885	32,415	34,130	35,134	12,660	4,536	4,536	166,312	346,608
			•						
PUMP STATION GENERATORS AN	ND MISCELLAI	NEOUS UPG	RADES .			PROJE	CT#: 96	52002	
	cy generators an			pgrades at wa	stewater pun	np statlons			
LOCATION: Systemwide	, ,			lct Located:	-	Systemwl	de		
Varlous Sites		. :	Distri	lct(s) Served:		Systemwi	de	1	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	1,754	3,675	7,194	16,024	13,806	49,735		351	104,419
WASD Revenue Bonds Sold	649	0	0	. 0	0	0	0	0	649
TOTAL REVENUES:	2,403	3,675	7,194	16,024	13,806	49,735	11,880	351	105,068
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,969	3,014	5,899	13,139	11,321	40,783	9,742	288	86,155
Major Machinery and Equipment	73	110	216	481	414	1,492	356	10	3,152
Planning and Design	. 361	551	1,079	2,404	2,071	7,460	1,782	53	15,761
TOTAL EXPENDITURES:	2,403	3,675	7,194	16,024	13,806	49,735	11,880	351	105,068
•						•	•	·	
WASTEWATER TREATMENT PLAN	NTO MICCELL	ANEOUS HE	GBANES			PROJ	-CT#- 96	552061	
	water treatment p			uirements		1 1(00;	-01 111 -00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
LOCATION: Upgrade waster Tre				ot Located:		Systemwi	de		
Various Sites	AZWIONET JAINE			lct(s) Served;		Systemwi			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- •		.,		•			
			- · · · ·	me./=	ne in	nose - 1			WATT!
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL 6.457
Future WASD Revenue Bonds	, 0	619	689	289	3,793	160 0	907 0	0 6,593	6,457 6,593
WASD Future Funding WASD Revenue Bonds Sold	0 1,250	. 0	, 0	0 0	0	ນ 0	0	. 0 1999	1,250
TOTAL REVENUES:	1,250	619	689	289	3,793	160	907	6,593	14,300
•	•								TOTAL
EXPENDITURE SCHEDULE:	PRIOR	2016-17 582	2017-18 648	2018-19 272	2019-20 3,566	2020-21 150	2021-22 852	FUTURE 6,198	13,443
Construction Planning and Design	1,175 75	362 37	41	17	227	10	55 55	395	857
<del>-</del>				289		160	907	6,593	14,300
TOTAL EXPENDITURES:	1,250	619	689	209	3,793	100	907	០ <sup>រ</sup> ១១១	14,000

NORTH MIAMI-DADE	WASTEWATE	RTRANSMIS	SION MAIN	S AND PUM	P STATION	<b>8</b> .	PROJE	CT #: 96	52101	
DESCRIPTION: LOCATION:	Improve pump st Wastewater Syst Varlous Sites		•	Distri	olkly District Located; District(s) Served;			ie ie	,	
REVENUE SCHEDULE:	•	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue I	Bonds	2,948	6,843	20,257	21,429	22,363	33,306	45,823	357,640	510,609
WASD Future Funding		0	O	0	0	0	0	0	599,197	599,197
WASD Revenue Bonds (	Sold	447	. 0	0	.0	0	. 0	0	. 0	447
Wastewater Connection	Charges	727	1,080	1,068	2,781	4,696	0	0	0	10,352
TOTAL REVENUES:		4,122	7,923	21,325	24,210	27,059	33,306	45,823	956,837	1,120,605
EXPENDITURE SCHEDU	JLE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		3,421	6,578	17,699	20,094	22,459	27,644	38,033	794,175	930,101
Planning and Design		701	1,347	3,626	4,116	4,600	5,662	7,790	162,662	190,504
TOTAL EXPENDITURES	;	4,122	7,923	21,325	- 24,210	27,059	33,306	45,823	956,837	1,120,605
Estimated An	nual Operating Ir	npact will begin	In FY 2017-1	8 in the amou	nt of \$2,330.00	00				•

### WASTEWATER TELEMETERING SYSTEM

PROJECT #:

9652481

install a computer system to monitor and control wastewater flows and pressures at various pump stations DESCRIPTION: LOCATION: Systemwide District Located: Systemwide

Various Sites District(s) Served: Systemwide

	·								
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021 <b>-</b> 22	FUTURE	TOTAL
Future WASD Revenue Bonds	700	579	0	Ō	0	0	0	0	1,279
WASD Revenue Bonds Sold	1,376	0	0	. 0	0	0	0	0	1,376
Wastewater Renewal Fund	2,432	0	500	500	500	500	. 500	500	5,432
TOTAL REVENUES:	4,508	579	. 500	, 5,00	500	500	500	500	8,087
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction ·	3,227	1,860	500	500	500	500	500	500	8,087
TOTAL EXPENDITURES:	3,227	1,860	500	500	500	500	500	500	8,087
H (1 / 14 16 1	to a manager to	t miconin d	6 L II	1 2 8 4 4 4 4 4 4 4					

Estimated Annual Operating Impact will begin in FY 2017-18 in the amount of \$10,000

### SOUTH MIAM! HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

PROJECT #: 9652821

Construct water treatment plant, wellfields, and various water transmission mains in south Miami-Dade County DESCRIPTION:

LOCATION: 11800 SW 208 St District Located:

District(s) Served: Unincorporated Miami-Dade County Systemwide

REVENUE SCHEDULE: PRIOR 2016-17 2017-1B 2018-19 2019-20 2020-21 2021-22 **FUTURE** TOTAL Future WASD Revenue Bonds 16,546 1,500 18,726 13,533 11,211 21,371 54,543 124,156 261,586 WASD Revenue Bonds Sold 17,457 0 17,457 1,500 18,726 11,211 279,043 TOTAL REVENUES: 34,003 13,533 21,371 54,543 124,156 2017-18 **FUTURE** TOTAL EXPENDITURE SCHEDULE: PRIOR 2016-17 2018-19 2019-20 2020-21 2021-22 Construction 14,036 18,627 17,228 12,450 10,314 19,661 50,179 114,223 256,718 1,220 1,620 1,498 . 1,083 897 1,710 4,364 9,933 22,325 Planning and Design TOTAL EXPENDITURES: 15,256 20,247 18,726 11,211 21,371 54,543 124,156 279,043

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$20,000,000

WASTEWATER GENERAL MAI  DESCRIPTION: Construct at  LOCATION: Systemwide  Various Site	nd/or renovate regior <del>r</del>		ilntenance cen Distri	nters, office fa ct Located; ct(s) Served;	cilities, and st	PROJE orage wareho Systemwlo Systemwlo	uses de	5 <b>3201</b>	
REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 139	2016-17 2,927	2017-18 7,451	2018-19 12,265	2019-20 13,208	2020-21 12,654	2021-22 8,184	FUTURE 31,000	TOTAL 87,828
WASD Future Funding	0	0	O O	0	0	. 0	0	72,031.	72,031
WASD Revenue Bonds Sold	1,320	0		0	0	0	0	0	1,320
TOTAL REVENUES:	1,459	2,927	7,451	12,265	13,208	12,654	8,184	103,031	161,179
EXPENDITURE SCHEDULE: Construction	PRIOR 1,328	2018-17	<b>2017-18</b> 6,780	2018-19 11,161	2019-20 12,019	2020-21 11,515	· 2021-22 7,448	FUTURE 93,758	TOTAL 146,672
Land Acquisition/Improvements	1,320 , 44	2,663 88	22 <del>4</del>	368	396	380 380	7,940 245	3,091	4,836
Planning and Design	87	176	447	736	793	759	491	6,182	9,671
TOTAL EXPENDITURES:	1,459	2,927	7,451	12,265	13,208	12,654	8,184	103,031	161,179
•	•	·	•		•	•	•	·	,
WASTEWATER TREATMENT PI	LANTS REPLACE	MENT AND	RENOVATION	ON		PROJE	CT#: 96	53261	
	nd replace wastewat				within plant s		.01 /// 00		
LOCATION: Systemwide				ot Located:	mant plants of	Systemwl	de		
Various Site	98		Distri	ct(s) Served:		Systemwl	de		
				•				1	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	, 808	608	608	3,526	. 0	. 0	G	0	5,350
WASD Future Funding	0	0	0	0	0	0	0	51,650	51,650
WASD Revenue Bonds Sold	774	0	. 0	0	7.000	7,000	7 000	. 000	774
Wastewater Renewal Fund	37,985	11,704	7,000	7,000	7,000	7,000	7,000	7,000	91,689
TOTAL REVENUES:	39,367	12,312	7,608	10,526	7,000	7,000	7,000	58,650	149,463
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction Planning and Design	36,191 1,905	12,904 679	7,228 ''380	10,Ò00 526	6,650 350	6,650 350	6,650 350	55,718 2,932	· 141,991 7,472
TOTAL EXPENDITURES:	38,096	13,583	7,608	10,526	7,000	7,000	7,000	. 58,650	149,463
TOTAL CAPENDITURES.	060106	13,003	1,000.	10,020	1,000	1,000	1,000	, 20,030	145,403
				•					
	TTVAIGH							H0004	,
SANITARY SEWER SYSTEM EX		النماييم مبالا مأدورا				PROJE	:G1#: 96	53281	
DESCRIPTION; Extend sew LOCATION: Systemwide	er system lines to inc	inde iue exizii		wer needs as of Located;	isessment	Systemwle	da		
Various Site				ct(s) Served:		Systemwi			
-	-				,	-,			
			• ,						
REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	2,113	2,660	2,113	4,113	3,038	0	0	0	14,037
WASO Future Funding	0	0	0	0	Ö	0	0	190,133	190,133
WASD Revenue Bonds Sold	11,991	0	0	0	0	0	0	0	11,991
Wastewater Renewal Fund	10,735	7,704	1,500	1,500	1,500	1,500	1,500	1,500	27,439
TOTAL REVENUES:	24,839	10,364	3,613	5,613	4,538	1,500	1,500	191,633	243,600
EXPENDITURE SCHEDULE;	PRIOR `	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	23,899	10,248	3,505	5,445	4,402	1,455	1,455	185,884	236,293
Planning and Design	739	317	108	168	136	45	45	5,749	7,307
TOTAL EXPENDITURES:	24,638	10,565	3,613	5,613	4,538	1,500	1,500	191,633	243,600

### WATER DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS

PROJECT #: 9653311

DESCRIPTION:

Install various water mains throughout the distribution system

LOCATION: Various Sites

District Located: District(s) Served: Systemwide Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	16,943	11,830	57,909	22,867	9,466	10,000	12,500	32,080	173,595
WASD Revenue Bonds Sold	25,094	0	0	0	0	0	0	0	25,094
Water Connection Charges	22,606	5,521	3,590	0	0	0	0	0	31,717
Water Renewal and Replacement Fund	32,556	0	3,500	3,500	3,500	3,500	3,500	3,500	53,566
TOTAL REVENUES:	97,209	17,351	64,999	26,367	12,966	13,500	16,000	35,580	283,972
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	. FUTURE	TOTAL
Construction	58,120	45,554	66,909	25,048	12,318	12,825	15,200	33,801	269,775
Planning and Design	3,059	2,397	3,521	1,318	648	675	800	1,779	14,197

### PEAK FLOW MANAGEMENT FACILITIES

PROJECT #:

9853371

DESCRIPTION: Evaluate and construct alternatives for peak flow management facilities and associated infrastructure

LOCATION:

Systemwide

District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds Wastewater Connection Charges	PRIOR 24,805 37,542	2016-17 18,537 0	2017-18 14,104 0	2018-19 9,208 0	2019-20 29,274 0	2020-21 16,014 0	202 <b>1-22</b> · 10,220 0	FUTURE 432,468 0	TOTAL 554,630 37,542
TOTAL REVENUES:	62,347	18,537	14,104	9,208	29,274	16,014	10,220	432,468	592,172
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	53,986	18,001	12,552	8,195	26,054	14,252	9,095	384,897	527,032
Planning and Design	6,672	2,225	1,552	1,013	3,220	1,762	1,126	47,571	65,140
TOTAL EXPENDITURES:	60,658	20,226	14,104	9,208	29,274	16,014	10,220	432,468	592,172

### CORROSION CONTROL FACILITIES IMPROVEMENTS

PROJECT #: 9653381

DESCRIPTION:

Construct corrosion control facilities and force mains; renovate structures at wastewater treatment plants and pump

stations; and restore sewer mains

LOCATION:

Systemwide

Various Sites

District Located:

District(s) Served:

Systemwide Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,083	2016-17 100 0	2017-18 90 0	2018-19 865 0	2019-20 352 0	2020-21 4,882 . 0	2021-22 116 0	FUTURE 0 0	TOTAL 6,405 1,083
TOTAL REVENUES:	1,083	100	90	865	352	4,882	116	0	7,488
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	921	85	76	735	299	4,150	99	0	6,365
Planning and Design	162	15	14	130	. 53	732	17	0	1,123
TOTAL EXPENDITURES:	1,083	100	90	865	352	4,882	116	0	7,488

SOUTH DISTRICT U DESCRIPTION:	Construct plant	process Improver buffer, construct	nents Includir	ng Injection an				ncy generator		6
LOCATION;	8950 SW 232 S		nty		ict Located: lct(s) Served;		8 Systemwk	de		
_	•						•	·		
	_			68 fW 16	00/0/0	20/0.54	0000004	2024.00	HIMINE	TOTAL
REVENUE SCHEDULE Fulure WASD Revenu		PRIOR 5,000	2016-17 0	2017-18 2,000	2018-19 4,000	2019-20 3,000	2020-21 1,000	2021-22 0	FUTURE 0	TOTAL 15,000
WASD Future Funding		, 5,000	0	0	0	0,000	0	0	182,500	182,500
WASD Revenue Bond		28,000	0	0	, 0	٥	0	0	0	28,000
TOTAL REVENUES:		33,000	0	2,000	4,000	3,000	1,000	0	182,500	225,500
EXPENDITURE SCHE	DULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	•	32,000	1,000	2,000	4,000	3,000	.1,000	0	182,500	225,500
TOTAL EXPENDITURE	ES:	32,000	1,000	2,000	4,000	3,000	1,000	0	182,500	225,500
NORTH DISTRICT U		ASTEWATER `			atas In the no	treatment ha	PROJE		53411 for	
DCGOLGE 11014		es and rehabilitati				-Hondion: Ba		I BITT PLASTICE	101	
, LOCATION:	2575 NE 151 St North Miami			Distr	lct Located: lct(s) Served:	)	4 Systemwl	de .		•
	•									
REVENUE SCHEDULE	<u> </u>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Fulure WASD Revenu	e Bonds	1,262	3,465	8,868	6,053	4,200	4,078	3,180	32,820	63,926
WASD Future Funding		0	0	0	0	b	0	, 0	100,225	100,225
WASD Revenue Bond	is Sold	338	0	· 0	0	0	0	0	0	338
TOTAL REVENUES:		1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489
EXPENDITURE SCHE	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL 146,395
Construction Planning and Design		. 1,424 176	3,084 . 381	7,892 976	5,387 666	3,738 462	3,630 448	2,830 350	118,410 14,635	18,094
TOTAL EXPENDITURE		1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489
	20,	1,122	5,155	,	-,	<b>-,-</b>	7	,		•
CENTRAL DISTRICT		WASTEWATE ter improvements				nootin alcottle	PROJE		53421	6
DESCRIPTION:	rehabilitation, a	new gas pipeline plant including pi	, a new flushi	ng water line,	and a sludge	handling facili	ty; various up	grades and		
LOCATION:	Virginia Key				ict Located:		7			
	City of Mlaml			Dlatr	ict(s) Served:		Systemwl	de .		
			•						•	
REVENUE SCHEDULE	<b>:</b>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenu		2,093	5,347	8,522	5,713	3,617	1,900	108	0.	27,300
WASD Future Funding		0 2,533	0 0	0	0 0	0	· 0	0	8,500 0	8,500 2,533
WASD Revenue Bond TOTAL REVENUES:	s QUIU	. 4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	38,333
	niti E	PRIOR	2016-17	2017-18	2018-19	2019-20	202 <b>0-21</b>	2021-22	FUTURE	TOTAL
EXPENDITURE SCHEL Construction	DO FE!	4,348	5,026	2017-16 8,011	5,370	3 <sub>1</sub> 400	1,786	102	.7,990	36,033
Planning and Design	•	278	321	511	343	217	114	6	510	2,300

1,900

8,500

38,333

5,713

3,617

8,522

5,347

4,626

TOTAL EXPENDITURES:

PROJECT #: 9654061 SAFE DRINKING WATER ACT MODIFICATIONS-SWT RULE AND D-DBP Modify water treatment to comply with Surface Water Treatment (SWT) and Disinfectant/Disinfection By Product (D-DBP) DESCRIPTION; Regulations LOCATION: Systemwide District Located: Systemwide Systemwide Various Sites District(s) Served: **FUTURE** REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 TOTAL 494,475 61,271 303,018 Future WASD Revenue Bonds 610 2,692 17,364 33,066 76,454 Ū 20,979 0 0 Rock Mining Miligation Fees 20,979 0 0 0 0 Ü 0 0 0 1,076 Water Renewal and Replacement Fund 1,076 0 0 n ٥ 610 2,692 17,364 33,066 76,454 61,271 303,018 516,530 TOTAL REVENUES: 22,055 TOTAL 2021-22 **FUTURE** EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 260,595 444,216 65,750 52,693 Construction 12,279 2,709 6,820 14,933 28,437 42,423 72,314 2,431 4,629 10,704 8,578 Planning and Design 1,999 440 1,110 17,364 33,066 76,454 61,271 303,018 516,530 TOTAL EXPENDITURES: 14,278 3.149 7,930 Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$10,000,000

### SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

PROJECT #: 9655481

Expand the South District Wastewater Plant and Injection wells and Install emergency generators DESCRIPTION:

LOCATION:

8950 SW 232 St Unincorporated Miami-Dade County District Localed: District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 1,745	2016 <b>-17</b> 7,053	2017 <b>-</b> 18 7,724	2018-19 15,623	2019-20 15,167	202 <b>0-21</b> 11,393	2021-22 11,500	FUTURE 73,000	TOTAL 143,205
TOTAL REVENUES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	<b>FUTURE</b>	TOTAL
Construction	1,448	5,854	6,411	12,967	12,589	9,456	9,545	60,590	118,860
Planning and Design	297	1,199	1,313	2,656	2,578	1,937	1,955	12,410	24,345
TOTAL EXPENDITURES:	1,745	7,053	- 7,724	15,623	15,167	11,393	11,500	73,000	143,205

### WATER TELEMETERING SYSTEM ENHANCEMENTS

PROJECT #: 9656780

Acquire and install a centralized computer system at water treatment plants and wellfields DESCRIPTION:

LOCATION: Systemwide District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE: Water Renewal and Replacement Fund	PRIOR 1,424	2016-17 0	2017-18 300	2018-19 · 300	2019-20 300	2020-21 300	<b>2021-22</b> 300_	FUTURE 300	TOTAL 3,224
TOTAL REVENUES:	1,424	0	300	300	300	300	300	300	3,224
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	342	313	138	138	138	138	138	138	1,483
Major Machinery and Equipment	401	368	.162	162	162	162	162	162	1,741
TOTAL EXPENDITURES:	743	681	300	300	300	· 300	300	300	3,224



Memorandur

Date:

November 30, 2015

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs

Miami-Dade Water and Sewer Department

Subject:

Revision No. 1 to Seven (7) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System - Project No. E15-WASD-01

This revision to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department (WASD) and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. WASD is requesting the following modifications to the RTA listed below:

The following information was revised on pages 1, 2 and 3 on the RTA:

PROJECT NAME:

Three (3) Non-Exclusive Professional Services Agreements (PSA) for Engineering Design and related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System.

CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$33,000,000

BASE CONTRACT AMOUNT:

\$30,000,000

Three (3) separate PSA at

\$10,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 3.000.000

Contingency Allowance In

accordance with Ordinance 00-65

is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$33,000,000

As always, we thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachment

### **EXHIBIT E**

MIAMI-DADE

Memorandum

Date:

February 12, 2016

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs

Miami-Dade Water and Sewer Department

Subject:

Request to Advertise Revision No. 2 - Project No. E15-WASD-01

Revision No. 2 to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. On November 30, 2015, Revision No. 1 was also filed with the Clerk of the Board, see attached. WASD is requesting additional modifications to the original RTA listed below:

The following information was revised from the original RTA on pages 1, 2 3 and 4.

### PROJECT NAME:

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System.

### PROJECT DESCRIPTION:

Mlami-Dade Water and Sewer Department (WASD) will require professional engineering services from six (6) qualified consultants for engineering design and related services for the design of Group A (Ocean Outfall Legislation Projects) large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors; and two (2) qualified consultants to provide engineering design and related services for the design of Group B (Non-Ocean Outfall Legislation Projects) large diameter water pipelines for water transmission and distribution system, related to WASD's capital improvement needs identified in the Multi-Year Capital Improvement Plan.

Proposers are advised that the selected Prime Consultant and Sub-consultants for ISD Project No. E13-WASD-11 titled Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Miami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (6 agreements) of the Internal Services Department's (ISD) Project No. E15-WASD-01 (Ocean Outfall Legislation Project), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (2 agreements), other than those to be applied on a case by case

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 2 of 3

basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-WASD-11 or any contract resulting from this solicitation.

Proposers are advised that the selected Prime Consultant or Sub-consultants that are awarded the contract for ISD Project No. E12-WASD-03 titled Program Management Consultant and Related Services to establish a "Comprehensive Infrastructure Assessment and Replacement Program" for Water Transmission and Distribution Mains Including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (2 agreements) of ISD Project No. E15-WASD-01 (Non-Ocean Outfall Legislation Projects), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (6 agreements), other than those to be applied on a case by case basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03 or any contract resulting from this solicitation.

# CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$40,000,000

BASE CONTRACT AMOUNT:

\$ 5,000,000

Eight (8) separate PSA at

\$5,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 4,000,000

Confingency Allowance in

accordance with Ordinance 00-65 is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$44,000,000

# MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride (PVC), high density polyethylene (HDPE), concrete pressure pipe, ductile iron, steel and fiberglass (FRP).
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team demonstrate their successful design experience with trenchless technologies including but not limited to Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 3 of 3

start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS.										
COMMITTEE MEMBER AND	YEAR HIRED	GENDER /ETHNICITY	EDUCATION	PROFESSIONAL LICENSES						
TITLE Daniel Edwards, P.E. Section Manager, Planning (Member)	1997	Male/Caucasian	Bachelor of Science Civil Engineering	Professional Engineer						
Rolando Roque, Senior Professional Engineer (Technical Advisor)	2006	Male/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer						
Elvira Amenta, P.E. Senior Professional Engineer (Member)	2003	Female/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer						
Isaac Smith, Senlor Program Manager (Alternate)	1990	Male/Black	Bachelor of Science Mechanical Engineering	Engineer Intern						

As always, thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachments



### **EXHIBIT F**

### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

# THE RESPONDENTS LIE WAS LIST OF RESPONDENTS LIE DE LES DE

ISD Project Name: Engineering Design & Related Services for the Design of Large Diameter Water and Wastewater Pipelines

for the Water & Sewer Department's Wastewater & Water Collection, Transmission & Distribution System

Prime Local Preference:

FEIN No.: 591406307

Yes

651319891

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 1

Prime Name: KEITH AND SCHNARS, P.A.

Trade Name:

Subs FEIN No. Trade Name Subs Name

650673629 a. CIVIL WORKS, INC.

550866252 b. C.H. PEREZ & ASSOCIATES CONSULTING ENGINEERS, INC.

c. GIT CONSULTING LLC

Prime Local Preference: Submittal No: 2

FEIN No.: 112167170 Prime Name: STANTEC CONSULTING SERVICES, INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name 471310425

a. ALUCES CORPORATION 800203267 b. METCO SERVICES SOUTHEAST, LLC

364551726 P (3) S M, LLC c. LONGITUDE SURVEYORS, LLC

Prime Local Preference: Yes Submittal No: 3

FEIN No.: 650792884 Prime Name: CES CONSULTANTS, INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name 941446346

a. BROWN AND CALDWELL (CORPORATION) 590918189 b. CH2M HILL, INC. 592739866 CHEN AND ASSOCIATES

c. CHEN MOORE AND ASSOCIATES, INC. CONSULTING ENGINEERS, INC

VERTICAL V-SOUTHEAST, 271979486 d, NV5, INC. DBA KACO INC. DBA KACO

651089850 e. HADONNE CORP.

112393559 f. D&B ENGINEERS AND ARCHITECTS PC



### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

## LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 4

Prime Name: BLACK & VEATCH CORPORATION

Trade Name:

Prime Local Preference:

Yes

FEIN No.: 431833073

Subs Name	Trade Name	Subs FEIN No.
a. E SCIENCES, INCORPORATED	•	593667002
b. F.R. ALEMAN AND ASSOCIATES, INC.		592751524
c. NUTTING ENGINEERS OF FLORIDA INC		591159182
d. BND ENGINEERS, INC.		650421519
e. CHEN MOORE AND ASSOCIATES, INC.	CHEN AND ASSOCIATES	592739866
0, 0116111110011411111   1400011111111111111111	CONCULTING ENGINEEDS	

CONSULTING ENGINEERS,

INC

650679927

Prime Name: CAS ENGINEERING, INC.

Trade Name:

Submittal No: 5

Prime Local Preference: FEIN No.: 591947578

Subs Name

a. BALJET ENVIRONMENTAL, INC.

b. J BONFILL AND ASSOCIATES INC.

f. MAGBE CONSULTING SERVICES, INC.

**Trade Name** 

Subs FEIN No.

592485807 650133546

Prime Local Preference: Submittal No: 6

Prime Name: A & P CONSULTING TRANSPORTATION ENGINEERS FEIN No.: 650770583

CORP.

Subs Name

Trade Name:

Trade Name

Subs FEIN No.

a. 300 ENGINEERING GROUP, P.A.

RAFAEL J. BALLESTEROS, 562612529

P.E., P.A. - OLD NAME

b. JACOBS ASSOCIATES CORP.

c. ROBAYNA AND ASSOCIATES, INC.

941371792



### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

# LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 7

Prime Name: WADE TRIM, INC.

Trade Name:

Prime Local Preference: FEIN No.: 592417170

Subs Name

a. JACOBS ASSOCIATES CORP.

b. GRESHAM, SMITH AND PARTNERS

c. KEITH AND ASSOCIATES, INC.

d. PREMIERE DESIGN SOLUTIONS, INC.

Submittal No: 8

Prime Name: GANNETT FLEMING, INC.

Trade Name:

Subs FEIN No. Trade Name

941371792 620794126 650806421 260571068

Prime Local Preference:

Subs FEIN No.

650607552

223936061

260125061

651089850

261204483

521829252

FEIN No.: 251613591

Trade Name

KMEC

**Subs Name** 

a, SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. K.M. ENGINEERING CONSULTANTS, INC.

d. HADONNE CORP.

e. THE VAILON GROUP, INC.

f. RUSSELL CORROSION CONSULTANTS,

INC.

Submittal No: 9

Prime Name: BCC ENGINEERING, INC.

Subs Name

Trade Name:

Prime Local Preference:

FEIN No.: 650540100

a, CIVIL WORKS, INC.

b. MANUEL G. VERA & ASSOCIATES, INC.

c. GOAL ASSOCIATES, INC.

d. MEDIA RELATIONS GROUP, LLC

Subs FEIN No. Trade Name



### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

# Production of the state of the contract of the state of t

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 10

Prime Name: PARSONS WATER & INFRASTRUCTURE INC.

Trade Name:

Subs Name

a. BND ENGINEERS, INC.

b. LONGITUDE SURVEYORS, LLC

c. GEOSOL, INC.

d. EV SERVICES, INC.

Submittal No: 11

Prime Name: WOOLPERT, INC.

Trade Name:

Subs Name

a. CDM SMITH, INC.

b. THE CORRADINO GROUP, INC.

c. BND ENGINEERS, INC.

Submittal No: 12

Prime Name: A.D.A. ENGINEERING, INC.

Trade Name:

**Subs Name** 

a. THE CORRADINO GROUP, INC.

b. ARUP USA, INC.

c. HADONNE CORP.

Prime Local Preference: Yes

FEIN No.: 710920322

Subs FEIN No. Trade Name

650421519

P (3) S M, LLC 364551726

650997886 205779421

Prime Local Preference: Yes

FEIN No.: 201391406

Subs FEIN No. Trade Name

CAMP DRESSER & MCKEE 042473650

INC

610713040

650421519

Prime Local Preference:

FEIN No.: 592064498

Subs FEIN No. **Trade Name** 

610713040 061539147



# LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 13

Prime Name: CSA CENTRAL, INC.

Trade Name:

Sı	ıbs Name	Trade Name	Subs FEIN No.
	RADISE INTERNATIONAL, L.C.		650785837
	D&B ENGINEERS AND ARCHITECTS PC		112393559
	SMART-SCIENCES, INC.		462397336
	NEW MILLENNIUM ENGINEERING, INC.		204809301
_	INFINITE SOURCE COMMUNICATIONS GRO	OUP. LLC	270403430
	ENTECH DESIGN AND PROJECT	,	472105114

Submittal No: 14

Prime Name: T.Y. LIN INTERNATIONAL

MANAGEMENT LLC

Trade Name:

Subs Name a. NIFAH AND PARTNERS CONSULTING	Trade Name	Subs FEIN No. 650604266
ENGINEERS, INC. b. F.R. ALEMAN AND ASSOCIATES, INC. c. EGSC ENGINEERING CONSULTANTS, INC. d. METCO SERVICES SOUTHEAST, LLC e. AVINO & ASSOCIATES, INC. f. CPM NORTH AMERICA PLLC g. INFINITE SOURCE COMMUNICATIONS GROUP, LLC		592751524 651043053 800203267 650053775 473185079 270403430
h. LEGACY DEVELOPERS & ENGINEERS, CORP.	•	463528666

Prime Local Preference:

Prime Local Preference:

FEIN No.: 941598707

Yes

FEIN No.: 311446286



# LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 15

Prime Name: KING ENGINEERING ASSOCIATES, INC.

Trade Name:

Subs FEIN No. Trade Name

Prime Local Preference:

FEIN No.: 591782900

Subs Name 592746730 a. LEITER, PEREZ & ASSOCIATES, INC. 460507796 b. STAHELI TRENCHLESS CONSULTANTS 611492162 c. EASTERN ENGINEERING GROUP

COMPANY d. GEOSOL, INC.

e. MEDIA RELATIONS GROUP, LLC

Submittal No: 16

Trade Name: JEC ACQUISITION CO.

Subs Name

FEIN No.: 954081636 Prime Name: JACOBS ENGINEERING GROUP, INC.

a. 300 ENGINEERING GROUP, P.A.

b. SRS ENGINEERING, INC.

c. CIVIL WORKS, INC.

d. CARDOZO ENGINEERING, INC.

e, BELLO AND BELLO LAND SURVEYING CORPORATION

f. KEITH AND ASSOCIATES, INC.

g. YOUSSEF HACHEM CONSULTING

ENGINEERING, INC.

h. INFINITE SOURCE COMMUNICATIONS

GROUP, LLC

Subs FEIN No. Trade Name 562612529 RAFAEL J. BALLESTEROS,

Prime Local Preference:

P.E., P.A. - OLD NAME

650607552 650673629 650956092 134219102

650997886

200118620

Yes

650806421 203225960



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 17

Yes Prime Local Preference:

FEIN No.: 132904652 Prime Name: HAZEN AND SAWYER, P.C.

Trade Name:

Subs Name	Trade Name	Subs FEIN No.
a. AECOM TECHNICAL SERVICES, INC. F/K/A		952661922
EARTH TECH, INC.		121010105
b. ALUCES CORPORATION		471310425
.c. EBS ENGINEERING, INC.		650492113 ·
d. LONGITUDE SURVEYORS, LLC	P (3) S M, LLC	364551726
e. ROBAYNA AND ASSOCIATES, INC.		592119073
F GEOSOL INC		650997886

Yes Prime Local Preference: Submittal No: 18

FEIN No.: 111531569 Prime Name: PARSONS BRINCKERHOFF, INC.

Trade Name: PB AMERICAS, INC.

Subs Name	Trade Name	Subs fein No.
a. ALUCES CORPORATION		471310425
b. F.R. ALEMAN AND ASSOCIATES, INC.		592751524
c. NOVA CONSULTING, INC.		650577672
d. AMBRO, INC.	•	650266641
a. MACRE CONSULTING SERVICES INC.		650679927



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ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 19

Prime Name: EAC CONSULTING, INC.

Trade Name:

FEIN No.: 650519739

Prime Local Preference: Yes

Subs Name Trade Name Subs FEIN No.
a. SRS ENGINEERING, INC. 650607552
b. HBC ENGINEERING COMPANY 223936061
c. ROBAYNA AND ASSOCIATES, INC. 592119073
d. BELLO AND BELLO LAND SURVEYING 134219102

CORPORATION
e. EV SERVICES, INC.

f. ORACLE CONSULTING GROUP, LLC

Submittal No: 20

Prime Name: KIMLEY-HORN AND ASSOCIATES, INC.

Trade Name:

Prime Local Preference: Yes

FEIN No.: 560885615

**Subs Name** 

a. HDR ENGINEERING, INC.

b. AVINO & ASSOCIATES, INC.

c. CHEN MOORE AND ASSOCIATES, INC.

d. METCO SERVICES SOUTHEAST, LLC

e. HOLT COMMUNICATIONS, INC.

Submittal No: 21

Prime Name: TETRA TECH, INC

Trade Name:

800203267

161754464

205779421

800456242

Subs FEIN No.

470680568

650053775

592739866

Prime Local Preference:

Von

FEIN No.: 954148514

Subs Name

a. 300 ENGINEERING GROUP, P.A.

b. HBC ENGINEERING COMPANY

c. MILLER, LEGG & ASSOCIATES, INC.

d. EV SERVICES, INC.

Trade Name

Trade Name

Subs FEIN No.

RAFAEL J. BALLESTEROS,

CHEN AND ASSOCIATES

CONSULTING ENGINEERS,

P.E., P.A. - OLD NAME

562612529

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FIRST - TIER MEETING JUNE 23, 2016	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	THE REPORT OF THE PROPERTY OF		1A - Qualification of firms Including team members associated to the project (Max, 50 points) 2A - Knowledge and Past Experience of similar type projects (Max, 20 points) 3A - Past Performance of the Firms (Max, 20 points) 4A - Amount of Work Awarded and Paid by the County (Max, 5 points) 5A - Ability of team members to interface with the County (Max 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores	Tre-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A.  Tre-Breaker (Total Ord, Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A	A - Qualification of firms including team members associated to the project (Max. 50 points)	2A - Knowledge and Past Experience of similar type projects (wax. As youthe) 3A - Past Performance of the Fiture (Max. 20 points) 4A - Amount of Work Awarded and Paid by the County (Max. 5 points) 5A - Abality of learn members to Inferface with the County (Max 5 points)	Ordinal Scores	Dropped Ordinal Scores Oropped Qualitative Scores	Tie-Breaker(CSC Ords)-Criterion 14,2A,4A,5A, then Total Qual. Points for 14,2A,3A,4A,5A. Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,2A,3A,4A,5A.

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	FIRST - TIER MEETING JUNE 23, 2016	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	7 WADE TRIM, INC. (LOCAL) (A&B)	1A - Qualification of firms including team members associated to the project (Max. 50 points) 2A - Knowledge and Past Experience of similar type projects (Max. 20 points) 3A - Past Performance of the Firms (Max. 20 points) 4A - Amount of Work Awarded and Paid by the County (Max. 5 points) 5A - Ability of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores	Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,4A,9A.   Tie-Breaker (Total Ord. Scoper-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A.   A Annier of the Annier in Cotal VIII		Ordinal Scores  Dropped Ordinal Scores  Tre-Breaker (CSC Ords)-Criterion 14,24,34,44,54, then Total Qual. Points for 14,24,34,44,54. The Breaker (Total Ord, Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,24,34,44,54.	1		

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FIRST - TIER MEETING	ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01  TABULATION SHEET  ISD PROJECT NO. E15-WASD-01	14 **Counting or of mus including team members associated to the project (Max. 50 points)  24 **Lossification or firms including team members associated to the project (Max. 50 points)  25 **Lossification of the Fitner (Max. 20 points)  26 **Abnilly of team members to interface with the County (Max. 5 points)  46 **Abnilly of team members to interface with the County (Max. 5 points)  57 **Abnilly of team members to interface with the County (Max. 5 points)  58 **Abnilly of team members to interface with the County (Max. 5 points)  40 **Abnilly of team members to interface with the County (Max. 5 points)  41 **Abnilly of team members to interface with the County (Max. 5 points)  42 **Countification of firms including team members associated to the project (Max. 30 points)  43 **Destate (Total Ord. Experience of similar type projects (Max. 5 points)  44 **Amount of Work Awarded and Paid by the County (Max. 5 points)  45 **Amount of Work Awarded and Paid by the County (Max. 5 points)  46 **Amount of Work Awarded and Paid by the County (Max. 5 points)  47 **Bareaker (Total Ord. Score)-Total Adjusted Outal. Points, then Total Qual. Points for 1A.2A,3A,4A,5A.  The Breaker (Total Ord. Score)-Total Adjusted Outal. Points, then Total Qual. Points for 1A.2A,3A,4A,5A.  The Breaker (Total Ord. Score)-Total Adjusted Outal. Points, then Total Qual. Points for 1A.2A,3A,4A,5A.

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	FIRST - TIER MEETING JUNE 23, 2016	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENTS WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	19 EAC CONSULTING, INC. (LOCAL) (ARB)	bers associated to the project (Max. 50 points) intype projects (Max. 20 points) County (Max. 5 points) the County (Max 6 points)	Ordinal Scores Dropped Ordinal Scores Dropped Qualitative Scores	Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,4A,4A,5A. Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A. 20 KIMLEY-HORN AND ASSOCIATES, INC. (LOCAL) (A&B)	1A - Qualification of firms including team members associated to the project (Max. 50 points) 2A - Knowledge and Past Experience of similar type projects (Max. 2D points) 3A - Past Performance of the Firms (Max. 20 points) 4A - Amount of Work Awarded and Paid by the County (Max. 5 points) 5A - Ability of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Te-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A,5A,4A,5A,5A,5A,5A,5A,5A,5A,5A,5A,5A,5A,5A,5A	50	

Page 41 of 11
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	ENGINEERING  MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WASTEWATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01  ISD PROJECT NO. E15-WASD-01	14—Cqualification of firms including team members associated to the project (Max. 50 points) 14—Cqualification of firms including team members associated to the project (Max. 50 points) 24—Past Performance of the Firms (Max. 20 points) 24—Abuilty of team members to interface with the County (Max. 5 points) 44—Amount of Work Awarded and Paid by the County (Max. 5 points) 54—Abuilty of team members to interface with the County (Max. 5 points) 55—Abuilty of team members to interface with the County (Max. 5 points)  Ordinal Scores  Tie-Breaker(CSC Orde)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A  Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A  Julie Whiteside, Chairperson	51

#### **EXHIBIT H**

# Memorandum



DATE:

July 6, 2016

TO:

Miriam Singer, Sr. Assistant Director

Internal Services Department

FROM:

Gary Hartfield, Division Director

Internal Services Department Small Business Development

SUBJECT:

Compliance Review

Project No. B15-WASD-01

Engineering Design & Related Services for The Design Of Large Diameter Water & Wastewater Pipelines for The Water & Sewer Department's Wastewater & Water Collection, Transmission &

Distribution System

Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise (SBE/AE) Program for Architectural and Engineering Services program. The contract measures established for this project is a 20% SBE/AE Subconsultant Goal.

The Professional Services Division of the Internal Services Department has submitted proposals from Keith and Schnars, P.A. #1, Stantec Consulting Services, Inc. #2, CES Consultants, Inc. #3, Black & Veatch Corporation #4, CAS Engineering, Inc. #5, A & P Consulting Transportation Engineers, Corp. #6, Wade Trim, Inc. #7, Gannett Fleming, Inc. #8, BCC Engineering, Inc. #9, Parsons Water & Infrastructure Inc., #10, Woolpert, Inc. #11, A.D.A. Engineering, Inc. #12, CSA Central, Inc. #13, T.Y. Lin International, #14, King Engineering Associates, Inc. #15, Jacobs Engineering Group, Inc. #16, Hazen And Sawyer, P.C. #17, Parsons Brinckerhoff, Inc. #18, EAC Consulting, Inc. #19, Kimley-Horn And Associates, Inc. #20, and Tetra Tech, Inc. #21 for compliance review. Following is the pre-award compliance status and summary.

#### STATUS:

2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	Keith and Schnars, P.A.  Stantec Consulting Services, Inc.  CES Consultants, Inc.  Black & Veatch Corporation  CAS Engineering, Inc.  A & P Consulting Transportation Engineers, Corp.  Wade Trim, Inc.  Gannett Fleming, Inc.  BCC Engineering, Inc.  Parsons Water & Infrastructure Inc.  Woolpert, Inc.  A.D.A. Engineering, Inc.  CSA Central, Inc.  T.Y. Lin International  King Engineering Associates, Inc.  Jacobs Engineering Group, Inc.  Hazen and Sawyer, P.C.  Parsons Brinckerhoff, Inc.  EAC Consulting, Inc.  Kimley-Horn and Associates, Inc.  Tetra Tech, Inc.	Compliant Compliant
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#### SUMMARY:

Keith and Schnars, P.A. #1, submitted the required Letters of Agreement (LOAs) committing to utilize the following certified SBE/AE firms: C.H. Perez & Associates Consulting Engineers, Inc. to provide (TC) categories 15.01 (Surveying & Mapping-Land Surveying) at 4%, 16.00 (General Civil Engineering) at 2% and 17.00 (Engineering Construction Management) at 4%, Civil Works, Inc. to provide 6.01 (Water & Sanitary Sewage Collection & Transmission Systems) at 10%, and GIT Consulting LLC. to provide 6.01 (Water & Sanitary Sewage Collection & Transmission Systems) at 5% for a total of 25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Keith and Schnars, P.A. has satisfied the contract's 20% SBE/AE sub-consultant goal, and is in compliance with the Small Business measures established for this contract.

Stantec Consulting Services, Inc. #2, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Metco Services Southeast, LLC, to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 15%, and Longitude Surveyors, LLC, to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Stantee Consulting Services, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CES Consultants, Inc. #3, a certified SBE/AE firm, submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AB sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CES Consultants, Inc. has satisfied the contracts 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Black & Veatch Corporation #4, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7%, F.R. Aleman And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 3%, and BND Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 14% for a total of 24% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Black & Veatch Corporation has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CAS Engineering, Inc. #5, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Baljet Environmental, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, and J. Bonfill and Associates Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 10% for a total of 20% in satisfaction

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of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CAS Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A & P Consulting Transportation Engineers, Corp. #6, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying), and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A & P Consulting Transportation Engineers, Corp. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Wade Trim, Inc. #7, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Keith and Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 11%, Premiere Design Solutions, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 17.00 (Engineering Construction Management) at 9%, for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Wade Trim, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Gannett Fleming, Inc. #8, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Hadonne Corp. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, K.M. Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 17%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10% for a total of 35% in satisfaction of the 20% SBE/AE subconsultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Gannett Fleming, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

BCC Engineering, Inc. #9, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Manuel G. Vera & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 10%, and Civil Works, Inc. to provide 16.00 (General Civil Engineering) at 10% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

BCC Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

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Parsons Water & Infrastructure Inc. #10, submitted the required LOAs committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 18.5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 3% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 3% for a total of 24.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Water & Infrastructure Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Woolpert, Inc. #11, submitted the required LOA committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Woolpert, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A.D.A. Engineering, Inc. #12, a certified SBE/AE firm submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A.D.A. Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CSA Central, Inc. #13, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Radise International, L.C. to provide TC's 9.02 (Geotechnical & Materials Engineering Services) at 8%, and Smart-Sciences, Inc. to provide 10.00 (Environmental Engineering) at 5% for a total of 13%. CSA Central, Inc. also submitted an LOA committing to utilize Infinite Source Communications Group, LLC to provide public involvement services at 7%. Infinite Source Communications Group, LLC is not a certified SBE/AE firm and cannot be utilized to meet any portion of the 20% SBE/AE goal. Pursuant to Implementing Order 3-32 "The utilization of a non-certified SBE-A/E and proposals that do not meet the specified goal" constitute non-compliance with the Implementing Order. CSA Central, Inc. is non-compliant to the Small Business measures established for this contract.

T.Y. Lin International #14, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Avino & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 5%, EGSC Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, F.R. Aleman and Associates, Inc. to provide 16.00 (General Civil Engineering) at 5%, Legacy Developers & Engineers Corp. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 3%, Metco Services South East, LLC to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 5%, and Nifah and Partners Consulting Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Miriam Singer

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Civil Engineering) at 5% for a total of 28% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

T.Y. Lin International has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

King Engineering Associates, Inc. #15, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Leiter Perez & Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 15.01 (Surveying & Mapping-Land Surveying), 15.03 (Surveying & Mapping – Underground Utility Location), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 19%, Eastern Engineering Group Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 11.00 (General Structural Engineering), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 1% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services), 9.02 (Geotechnical & Materials Engineering Services) and 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) at 1% for a total of 21% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

King Engineering Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Jacobs Engineering Group, Inc. #16, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Youssef Hachem Consulting Engineering, Inc. to provide TC's 16.00 (General Civil Engineering) at 1%, Keith And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 1%, Bello & Bello Land Surveying Corporation to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, Civil Works, Inc. to provide 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 12.5% and 300 Engineering Group P.A. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% for a total of 41.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Jacobs Engineering Group, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Hazen And Sawyer, P.C. #17, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Aluces Corporation to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, EBS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 2.25%, Robayna and Associates, Inc. to provide 6.01(Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 10.05 (Environmental Engineering — Contamination Assessment & Monitoring) and 16.00 (General Civil Engineering) at 2.25% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing — Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 0.5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

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Hazen And Sawyer, P.C. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Parsons Brinckerhoff, Inc., #18, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Nova Consulting, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 15%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, F.R. Aleman and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% and Ambro, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5% for a total of 35% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Brinckerhoff, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

EAC Consulting, Inc. #19, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Bello and Bello Land Surveying Corporation to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 1.25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7% and SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 15% for a total of 27.25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

EAC Consulting, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Kimley-Horn And Associates, Inc. #20, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, Metco Services Southeast, LLC to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, and Avino & Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Kimley-Horn And Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Tetra Tech, Inc. #21, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 22.5%, Miller, Legg & Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), 17.00 (Engineering Construction Management) and 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Miriam Singer

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Engineering) and 17.00 (Engineering Construction Management) at 6% for a total of 32.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Although Tetra Tech, Inc. also committed to utilize EV Services, Inc. to provide public involvement services at 1%, EV Services, Inc. is not certified as an SBE/AE firm and cannot be utilized to meet the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead-A/E firm and sub-consultant in agreement with the information listed.

Tetra Tech, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

SBD has verified that none of the aforementioned firms are listed on the Goal Deficit Make-Up Report as of July 1, 2016. Also, a review of the History of Violations Report as of July 1, 2016 indicates that none of the aforementioned firms have an open violation.

Please note that SBD staff reviewed and addressed compliance with the SBE/AE program. The Professional Services Division of the Internal Services Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar Suarez at (305) 375-3141.

c: Curt Williams, ISD
Julie Whiteside, ISD
File

#### **EXHIBIT** I

# Memorandum



Date:

July 19, 2016

To:

Lester Sola, Director

Miami-Dade Water and Sewer Department

Through:

Miriam Singer, CPPO, Sr. Assistant/Director

Internal Services Department

From:

Julie Whiteside, A&E Consultant Selection Coordinator

Chairperson, Competitive Selection Committee

Subject:

NEGOTIATION AUTHORIZATION

Miami-Dade Water and Sewer Department

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group

B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and

Distribution System

ISD Project No. E15-WASD-01

In accordance with the guidelines published in the Notice to Professional Consultants, the Competitive Selection Committee has completed the evaluation of the proposals submitted in response to the above-referenced Internal Services Department solicitation.

ISD Project No.: E15-WASD-01

Project Title: Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

Scope of Services Summary: This project consists of utility design, including planning, and permitting assistance during construction for system upgrades to large water and sewer pipelines. The projects could be for the rehabilitation or replacement, or for new large diameter pipeline facilities.

Participation Restrictions: The Prime Consultant and Sub-consultants that were awarded the contract for ISD Project No. E13-WASD-11: Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Miami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (Ocean Outfall Legislation Projects). This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (Non-Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis in

accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-VVASD-11, or any contract resulting from this solicitation.

The Prime Consultant or Sub-consultants that were awarded the contract for ISD Project No. E12-WASD-03: Program Management Consultant and Related Services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (Non-Ocean Outfall Legislation Projects). This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis, in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03, or any contract resulting from this solicitation.

See the attached list of precluded firms for Group A and Group B.

#### Experience and Qualifications:

- The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate its successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate its successful design experience with large diameter plpelines of 36-inch or larger in diameter. It is preferred that the consultant team demonstrate its successful design experience with trenchless technologies, including but not limited to, Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating, new or upgraded water transmission pipeline and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects that the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- The Sub-consultants shall provide a description of at least one (1) project that is relevant to this scope of work specific to their proposed responsibilities. The descriptions shall

include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Sub-consultant firm, the project's achievements, and client reference and contact information.

Term and Estimated Cost of Contract: Six (6) consultant/team of firms will be retained under six (6) separate non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects), and two (2) consultant/team of firms will be retained under two (2) separate non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects). Professional Services Agreements will have an effective term of six (6) years. The estimated cost of each agreement is \$5,500,000, Inclusive of contingencies.

Small Business Development Goal/Measure: On February 1, 2016, the Internal Services Department's Small Business Development Division established a 20% utilization goal for Small Business Enterprise Architectural and Engineering firms applicable to this solicitation.

Request to Advertise Stamped by the Clerk of the Board: September 2, 2015; Revision Number 1 - November 30, 2015; and Revision Number 2 - February 12, 2016.

Number of Proposals Received: Twenty-One (21) proposals.

Name of Proposer(s): Please refer to the attached List of Respondents.

Small Business Development Compliance Review: Please refer to the attached Compliance Review Memorandum, dated July 6, 2016.

First Tier Results: See attached First Tier Tabulation Sheet.

Second Tier Results: Not applicable. Based on the Competitive Selection Committee's professional expertise the information provided in the proposals was deemed sufficient to determine the qualifications of the teams. As a result and by a majority vote, the Competitive Selection Committee decided to forego Second Tier proceedings.

Request for Appointment of Negotiation Committee: Pursuant to Section 2-10.4 (6) of the Code of Mlami-Dade County, the Internal Services Department hereby requests the County Mayor or his designee approve the following Negotiation Committee, for the purpose of negotiating six (6) non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects) and two (2) non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects, respectively, with the highest ranked firms who qualify for such Group(s). In the event that a committee member is unable to attend a negotiation meeting, the negotiation committee may proceed with negotiations without that member.

- Julie Whiteside, Architectural and Engineering Consultant Selection Coordinator, Non-Voting Chairperson, Internal Services Department
- Daniel Edwards, Section Manager, Water and Sewer Department
- Isaac Smith, Senior Program Manager, Water and Sewer Department
- Jaquelyn Llano, Senlor Professional Engineer, Regulatory and Economic Resources Department

Request for Authorization to Enter Negotiations: Pursuant to Section 2-10.4 (6) of the Code of Miami-Dade County, it is hereby requested that the County Mayor or his designee approve

the selection of the following firms for negotiations, in the Competitive Selection Committee's recommended order of preference. See below:

# RANKING OF RESPONDENTS SELECTION FOR PROFESSIONAL SERVICES AGREEMENT NEGOTIATION EIGHT (8) AGREEMENTS WITH 20% SMALL BUSINESS ENTERPRISE - ARCHITECTURAL AND ENGINEERING GOAL (EACH)

#### **GROUP "A"**

A&P Consulting Transportation Engineers Corp.

Eligibility: Group A & B Adjusted Qualitative Points – 276 Adjusted Ordinal Score – 12

Final Ranking - 1

Black & Veatch Corporation

Ellgibility: Group A & B Adjusted Qualitative Points – 268 Adjusted Ordinal Score – 15 Final Ranking – 2

Kimley-Horn and Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 278 Adjusted Ordinal Score – 19 Final Ranking – 3

Stantec Consulting Services, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 276 Adjusted Ordinal Score – 21 Final Ranking – 4

Jacobs Engineering Group, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 272 Adjusted Ordinal Score – 23 Final Ranking – 5

Wade Trim, Inc.

Eligibility: Group A & B Adjusted Qualitative Points - 275 Adjusted Ordinal Score - 25 Final Ranking - 6

The following teams will serve as alternates for Group "A":

**Tetra Tech, Inc.**Eligibility: Group A & B
Adjusted Qualitative Points – 264
Adjusted Ordinal Score – 26
Final Ranking – 9

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points - 265 Adjusted Ordinal Score - 31 Final Ranking - 11

Parsons Water & Infrastructure, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 259 Adjusted Ordinal Score – 34 Final Ranking – 14

#### GROUP "B"

EAC Consulting, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 25 Final Ranking – 7

Parsons Brinkerhoff, Inc.

Eligibility: Group B Adjusted Qualitative Points – 269 Adjusted Ordinal Score – 26 Final Ranking – 8

The following teams will serve as alternates for Group "B":

Tetra Tech, Inc.

Eligibility: Group A & B Adjusted Qualitative Points - 264 Adjusted Ordinal Score - 26 Final Ranking - 9

CES Consultants, Inc.

Eligibility: Group B Adjusted Qualitative Points – 263 Adjusted Ordinal Score – 29 Final Ranking – 10

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 265 Adjusted Ordinal Score – 31 Final Ranking – 11

Pursuant to the Cone of Silence legislation included in the Conflict of Interest and Code of Ethics Ordinance, and Section 2-11.1 of the County Code, the County Mayor or his designee will report to the Board of County Commissioners any of the following instances:

· When negotiations do not commence, or other affirmative action is not taken, within 30

Memorandum COLERIMIAMI DADE COUNTY DADE CO

Date:

November 23, 2016

To:

Honorable Carlos A. Gimenez

Mayor

From:

Lester Sola, Director

Water and Sewer Department

Subject:

Recommendation approving award of a Non-Exclusive Professional Services Agreement to Stantec Consulting Services Inc. for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects) — Project No. E15-WASD-01; Contract No.

16SCSI02

#### RECOMMENDATION:

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee approve the attached Non-Exclusive Professional Services Agreement to Stantec Consulting Services Inc. for engineering design and related services for the design of large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors. Group A (Ocean Outfall Legislation Projects) — Project No. E15-WASD-01; Contract No. 16SCSI02. The total compensation amount is \$5,500,000 with a total contract term of six (6) years. For this Project, Miami-Dade County intends to retain six (6) qualified firms under six (6) separate Professional Services Agreements. This contract award recommendation was prepared by WASD.

#### **DELEGATION OF AUTHORITY:**

Pursuant to the provisions of Section 2-8.2.12 of the Miami-Dade County Code, the County Mayor or County Mayor's designee will have the authority to execute, amend and terminate the Agreement and to resolve disputes. Additionally, pursuant to the provisions of Sections 2-8.2.12 (4)(d) and (e) of the Code, the County Mayor or County Mayor's designee will have the authority to amend and/or extend the Agreement to complete any unfinished work, waive liquidated damages, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount.

#### PROJECT NAME:

Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects).

#### PROJECT DESCRIPTION:

Stantec Consulting Services Inc. will provide engineering services for utility design, including planning and permitting assistance during construction for system upgrades to large sewer pipelines. The scope of services consists of complete design services, which includes, but is not limited to: performance of preliminary route analysis; site investigations; surveying; maintenance of traffic plans; hydraulic analysis; coordination with other utilities; coordination with other municipalities and the public; preparation of design reports; preparation of drawings and contract specifications; preparation of design-build criteria packages; assistance during the permitting and procurement phases; and engineering support during construction. Engineering support during construction is anticipated to include, but is not limited to: periodic site inspections; attendance at meetings; review of shop drawings; responding

to requests for information; reviewing claims and potential change orders; reviewing contract schedules and schedule of values; and reviewing as-built drawings. Project coordination services are anticipated to include, but are not limited to: establishing a plan to implement projects; establishing and tracking project schedules, budgets and deadlines; preparing status reports; and attending meetings as requested.

PROJECT LOCATION:

Throughout Miami-Dade County

PRIMARY COMMISSION DISTRICT:

Various Commission Districts

APPROVAL PATH:

Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12 of the Code of Miami-Dade County.

MANAGING DEPARTMENT:

Miami-Dade Water and Sewer Department

SMALL BUSINESS DEVELOPMENT (SBD):

**REVIEW DATE:** 

08/10/2015

SIGNOFF DATE:

08/13/2015

RESUBMITTAL DATE:

11/25/2015 01/29/2016 SIGNOFF DATE:

11/25/2015

02/01/2016.

SBD ASSIGNED CONTRACT MEASURES: See attached Exhibit "A", "Project Worksheets".

TYPE	GOAL	COMMENT
SBE-A/E	20.00%	Implementing Order 3-32
SBE-Goods and Services	N/A	Implementing Order 3-41

#### PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

Туре	Code	Description
Prime	6.01	Water Distribution and Sanitary Sewer Systems – Water
		Distribution and Sanitary Sewer Collection and Transmission
		Systems
Prime	17.00	Engineering Construction Management
Other	15.01	Surveying and Mapping – Land Surveying
Other	16.00	General Civil Engineering

#### SUBCONSULTANTS:

The chart below indicates the list of Subconsultants that will be utilized under this Agreement and which of those Subconsultants are being used to meet the Small Business Enterprise measures as indicated above. See attached Exhibit "B", "Letters of Agreement".

SUBCONSULTANT	GOAL	SERVICES
Aluces Corporation	15%	Design of large-diameter pipelines
Longitude Surveyors, LLC	5%	Route survey and easement descriptions
Metco Services Southeast, LLC	10%	Hydraulic modeling and construction management support



APPLICABLE WAGES (RESOLUTION No. R-54-10): No

MANDATORY CLEARING HOUSE: No

#### FISCAL IMPACT / FUNDING SOURCE:

Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund.

#### **CAPITAL BUDGET PROJECT # - DESCRIPTION:**

See attached Exhibit "C", "Capital Budget Information".

PTP FUNDING: No.

GOB FUNDING: No No

**SUSTAINABLE BUILDINGS ORDINANCE:** (Ord. 07-65): This project does not qualify for compliance with the Sustainable Buildings Ordinance.

TOTAL CONTRACT PERIOD: Six (6) years

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No.

BASE CONTRACT AMOUNT: \$5,000,000

CONTINGENCY ALLOWANCE IN ACCORDANCE WITH

ORDINANCE 00-65: \$ 500,000

TOTAL CONTRACT AMOUNT: \$5,500,000

SEA LEVEL RISE (ORD. NO. 14-79): The impact of sea level rise will be considered as part of the design.

#### TRACK RECORD / MONITOR: None

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD Procurement Guidelines to determine responsibility, including verifying corporate status and performance and compliance data. The lists that were reviewed include: convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to Stantec Consulting Services Inc.'s responsibility. This information is being provided pursuant to Resolution R-187-12.

#### **EXPLANATION:**

On September 2, 2015, a Notice to Professional Consultants was issued under full and open competition for seven (7) separate Non-Exclusive Professional Services Agreements with a total compensation amount of \$5,000,000 each. On November 30, 2015, Request to Advertise (RTA) Revision No. 1 was filed with the Clerk of the Board to modify the total amount of Professional Services Agreements from seven (7) to three (3) with a total compensation amount of \$10,000,000. See attached Exhibit "D", "RTA Revision No. 1". After receiving industry feedback, WASD revisited the scope of services and minimum experience and qualifications and filed RTA



Revision No. 2 on February 12, 2016, with the Clerk of the Board. RTA Revision No. 2 increased the amount of Professional Services Agreements from three (3) to eight (8) with a total compensation amount of \$5,000,000 each. See attached Exhibit "E", "RTA Revision No. 2". On March 11, 2016, the Clerk of the Board received twenty-one (21) proposals in response to this solicitation. See attached Exhibit "F", "List of Respondents".

## FIRST-TIER MEETING:

At the First-Tier "Evaluation of Qualifications" meeting held on June 23, 2016, the Competitive Selection Committee reviewed and ranked the twenty-one (21) proposals. The Competitive Selection Committee evaluated and ranked the firms in the order listed below. See attached Exhibit "G", "First-Tier Tabulation Sheet".

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
A&P Consulting Transportation Engineers Corp.	460 276	1	12	1 .
Black and Veatch Corporation	451 268	4	15	2
Kimley-Horn Associates,	457 278	1	19	3
Stantec Consulting Services Inc.	443 276	1	21	4
Jacobs Engineering Group, Inc.	450 272	2	23	5
Wade Trim, Inc.	446 275	3	25	6
EAC Consulting, Inc.	443 264	5	25	7
Parsons Brinkerhoff, Inc.	445 269	3	26	8
Tetra Tech, Inc.	446 264	5	26	9
CES Consultants, Inc.	438 263	5	29	10
King Engineering Associates, Inc.	442 265	4	31	11
Gannett Fleming, Inc.	439 262	6	34	12
Hazen and Sawyer, P.C.	438 261	6	34	13
Parsons Water and Infrastructure, Inc.	434 259	7	34	14
Keith and Schnars, P.A.	433 258	16	35	15
T.Y. Lin International	428	8	39	16

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
	253			
BCC Engineering, Inc.	425 259	7	45	17
Woolpert, Inc.	426 254	7	46	18
A.D.A. Engineering, Inc.	425 252	9	47	19
CAS Engineering, Inc.	412 247	10	55	20
CSA Central, Inc.	399 239	10	60	N/A

The Competitive Selection Committee by majority vote decided not to hold a Second-Tier (Oral Presentation) meeting and recommended the following firms listed below to the County Mayor or County Mayor's designee for approval to negotiate a contract:

Group A (Ocean Outfall Legislation Projects)

- 1. A&P Consulting Transportation Engineers Corp.
- 2. Black and Veatch Corporation
- 3. Kimley-Horn Associates, Inc.
- 4. Stantec Consulting Services Inc.
- 5. Jacobs Engineering Group, Inc.
- 6. Wade Trim, Inc.

Group B (Non-Ocean Outfall Legislation Projects)

- 7. EAC Consulting, Inc.
- 8. Parsons Brinkerhoff, Inc.

On July 6, 2016, SBD completed its review for compliance with SBE measures as noted above and determined that twenty (20) firms were in compliance with the exception of CSA Central, Inc. See attached Exhibit "H", "SBD Compliance Review".

The Negotiation Committee was approved by the County Mayor's designee on July 27, 2016. See attached Exhibit "I", "Negotiation Authorization". On August 11, 2016, the Negotiation Committee met and concluded negotiations with Stantec Consulting Services Inc.

SUBMITTAL DATE:

March 11, 2016

**ESTIMATED NOTICE TO PROCEED:** 

November 30, 2016

A/E COMPANY:

PRINCIPAL/COMPANY QUALIFIER:

EMAIL ADDRESS: COMPANY ADDRESS:

Ramon Castella

Ramon.Castella@stantec.com 901 Ponce de Leon, Suite 900 Coral Gables, Florida 33134

Stantec Consulting Services Inc.

YEARS IN BUSINESS:

15 Years

PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm History Report provided by the Internal Services Department, Division of Small Business Development, Stantec Consulting Services Inc. has been awarded five (5) contracts with Miami-Dade County with a total contract value of \$5,969,260.00. See attached Exhibit "J", "Firm History Report".

Based on the Internal Services Department's CIIS database, Stantec Consulting Services Inc. has one (1) evaluation with an average 3.8 rating out of a possible total 4.0 points. See attached Exhibit "K", "Contractor Evaluations Report".

# MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipelines transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting and construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team should demonstrate their successful design experience with trenchless technologies, including but not limited to micro-tunneling and horizontal directional drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

CONTRACT MANAGER NAME/PHONE/EMAIL: Patty Palomo/786-552-8040/

Patty.Palomo@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: Victor Fernandez-Cuervo/786-268-5310/ Victor.Fernandez-Cuervo@miamidade.gov

#### BACKGROUND:

The Request to Advertise and the two Revisions to the Request to Advertise identified both water and wastewater projects that needed to be completed. WASD will be recommending a total of eight (8) firms under eight (8) separate professional services agreements. Six firms will work on large diameter sewer pipelines for Ocean Outfall legislation projects, and two (2) firms will on work on large diameter water pipelines for non-Ocean Outfall legislation projects. This Agreement with Stantec Consulting Services Inc. is one (1) of the six (6) agreements that will be issued for wastewater projects.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has developed a Multi-Year Capital Improvement Program (CIP) to upgrade its infrastructure system throughout the County in order to renew and replace its existing deteriorated system and to ensure efficient, reliable water and wastewater systems throughout the County in order to accommodate future growth and development. WASD recognizes the need for design services for large pipeline design and implementation of critical projects which are an integral part of the CIP.

JENNIFER MOON
OMB DIRECTOR

11/18/16

Approved as to legal sufficiency:

SQUALE FYELVETE DOLUMO SARAH E. DAVIS ASSISTANT COUNTY ATTORNEY

DATE

Xut tour

COUNTY MAYOR CARLOS GIMENEZ

DATE

# **EXHIBIT A**



# Small Business Development Division Project Worksheet

Project/Contract Title:

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN

Received Date:

11/25/2015

OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND

WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

Resubmittal Date(s): 08/03/2015

01/29/2016

Project/Contract No:

B15-WASD-01

Funding Sources WASD REVENUE BONDS

Department:

WATER AND SEWER

SOLD

Estimated Cost of Project/Bld: \$44,000,000.00 Description of Project/Bid:

To establish a contract scaking three (3) engineering three to provide engineering design and related services for the design of large

dlamoter and wastowater pipellines for WASD's wastowater and water collection, transmission and distribution system,

The state of the s	lepentes Recommen	iation	
Measure Goal	Program SBE/AB	Goal Percent 20,00%	
No Measure	SBE/GS		

Rensitive for Recommendation  This resubmittal increases the number agreements to be established from (3) to (8) and increases the overall contract amount from \$11 million to \$2.	44
millor.	

Bi5-WASD-01 will establish eight (B) agreements at \$5.5 million each, a 10% conflugency allowance included.

SMALL BUSINESS ENTERPRISE - ARCHITECTURAL & ENGINEERING (SBE/AB)

An analysis of the factors contained in the project package, as well as the factors contained in Section V. B. 2. C. of Implementing Order 3-32 and the responses of certified SBE/AE firms to the Verification of Availability to Propose process indicates that a 20% SBE/AE Sub-Consultant Goal is appropriate for this contract. Verification of Availability to propose letters were sont to the SBE/AE firms certified in the technical categories below. Three (3) or more firms did not respond to Verification of Availability process on being able to satisfy the contract's requirements.

SMALL BUSINESS ENTERPRISE - GOODS & SERVICES (SBE/GS)

An analysis of Implementing Order 3-41 & Ordinance 14-41, as well as the project package indicates a No Measure appropriate to the SBE/GS portion of this contract,

Commodity Code: 91812-Analytical Studies And Surveys (Consulting)

Technical Calegory; 0601-W & S Sewer Sys-Water Dist & Sanitary Servege Coll, 1501-Surveying And Mapping-Land Surveying; 1600-General Civil

Engineering; 1700-Engineering Construction Management

Small Blainess Colling	<u> </u>		% of Items	
Subtrade W & S SEWER SYS-WATER DIST & SANITARY SEWAGE	Cat. 688/AB	Estimated Value \$3,080,000,00	to Base Bid 7,00%	Availability
COLL SURVEYING AND MAPPING-LAND SURVEYING GENERAL CIVIL ENGINEERING ENGINEERING CONSTRUCTION MANAGEMENT	SBH/AB SBH/AB SBE/GS	\$2,200,000.00 \$2,200,000.00 \$1,320,000.00	5.00% 5.00% 3.00%	
	Cotal	\$8,800,000.00	20.00%	

Living Wagest	YES		МО	X	
Responsible Wagesi	YES	٦	МО	X	Ì

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Dayls Bacon and Responsible Wages and Benefits shall apply.



# Small Business Development Division Project Worksheet

Project/Contract Title:

Departments

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR

THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND

WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

B15-WASD-01 Project/Contract No:

WATER AND SEWER

Funding Source:

WASD REVENUE BONDS

SOLD

Resubmittal Date(s): 08/03/2015

Received Date:

01/29/2016

11/25/2015

Estimated Cost of Project/Bid: \$44,000,000.00 Tler 2 Set Aside Tier 1 Set Aside \_\_\_\_\_ Bid Preference Trade Set Aside (MCC) Selection Factor No Measure



Letter of Agreement (LOA)

Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

THIS SECTION MU	IST BE COMPLE	TED BY PRIME P	ROPOSER/DESIGN-BUILDER	
From: <u>Stantec Censulting Services</u> Nan	, Inc ne of Prime Pro	pposer / Design-I	Builder	
In response to Miaml-Dade County's Small Business Enterprise — Architects percentage, if awarded the contract. of the projected work assignment(s) to signing this Letter of Agreement the Ordinance No. 01-103 as amended.  *Name of Proposed SBE-A/E Firm	ral & Engineeri The undersigned to be marformed	ng (SBE-A/E) firm d further certifies i upon execution nsents to be boun	that the firm has been contacted and  of the contract with Miami-Dade Co	i properly apprised ounty. Further, by
Name of Certified SBE-A/B *Prime/Sub (SBE-A/B meeting the goal)	SBE-A/E Certification Number	SBE-A/B Certification Expiration Date	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
Aluces Corporation	SBE-16102 Micro-16103	11/30/2018 11/30/2018	6.01 16.00	15%
Proposer's I. Design Builder Signature.  COMPLETE THIS  I certify that the representations con	SECTION ONLY	FOR DESIGN/BUI	•	
Lead A/E Firm Signature	L	ead A/E Firm Nan	ne/Title (Print)	(Date)
	THE PROPOS committed capa- ich services, the	CED SBE - ARC city sufficient to poside cations.	s such services consistent with norma	SHREE WHILE RECURINGS
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		3-9	- 2016 Date	
SBE-A/E Subconsultant Signal	•	PRI	VCIPAL	
SBE-A/E Subconsultant Name			Title	
ALUCES CORPOR	ZATION	- <b>-</b>		
Name of SBE-A/E Firm	List of Certified	Pirms: <u>http://www.misu</u>	idade.góv/business/regoits-certification-lista.gsp	

SDD 105 (Revised 10/14)

SBD's Website: http://www.mjamidade.eov/smallbusiness/



Letter of Agreement (LOA)

Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

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		UST BE COMPLE	ETED BY PRIME P	ROPOSER/DESIGN-BUILDER	Section 1
77	Stantec Consulting Service	s Inc			•
From:	Nai	ne of Prime Pr	oposer / Design-	Builder	
Small But percentag of the pro- signing th	siness Enterprise – Architect e, if awarded the contract.	ural & Engineer The undersigne	ad further certifies	the undersigned hereby agree m listed below, performing the stated w that the fiπn has been contacted and p of the contract with Miami-Dade Coun nd by all the Provisions of the SBE-Goo	roperly apprise
		L. Alvada Overson		·	
*Name of	f Proposed SBB-A/E Firm_	_Longitude Survey	Ors, LLU		1 5
	Name of Certified SBE-A/B *Prime/Sub SBE-A/B meeting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
<del>                                     </del>	tude Surveyors, LLC	Micro/SBE 15159	11/30/2018	15.01	5%
<b>计算数据数据</b>				· ·	alsia iliamina alla ita
					alens <u>viernesta (t. t.</u>
I certif	y that the representations con	ntained in this fo	orm are to the best	of my knowledge frue and accurate	Date)
I certif	y that the representations con	ntained in this fo	orm are to the best ead A/E Firm Nar	of my knowledge frue and accurate me/Title (Print) (I	Date)
I certif	y that the representations con	ntained in this fo	orm are to the best ead A/E Firm Nar	of my knowledge frue and accurate me/Title (Print) (I	Date)
Lead A	y that the representations con  A/B Firm Signature  HISSECTIONMUS  KNOWLEDGMENT BY  dersigned has reasonably un  ations processary to provide s	THE PROPOS	ead A/E Firm Nare to the best ead A/E Firm Nare to the best ead of the best ea	of my knowledge frue and accurate	Date)  G FIRM  ses and technic
Lead A  AC  The uncondition and the	A/E Firm Signature  A/E Fi	THE PROPOSE THE PR	ead A/E Firm Nare to the best ead A/E Firm Nare to the best ead of the best ea	of my knowledge frue and accurate  me/Title (Print)  WESUBCONSULTANU  CHITECTURAL & ENGINEERING  CHITECTURAL & ENGINEERING	Date)  G FIRM  ses and technic
Lead A  Lead A  AC  The uncertificate and the S  Fault	y that the representations con  A/B Firm Signature  HISTORIAN BY  MANUAL EDGMENT BY  dersigned has reasonably un  ations necessary to provide sability to otherwise meet the	THE PROPOSICION SERVICES, the proposal specificature	ead A/E Firm Nare to the best ead A/E Firm Nare to the best ead of the best ea	of my knowledge frue and accurate  me/Title (Print)  WESUBCONSULTANU  CHITECTURAL & ENGINEERING  CHITECTURAL & ENGINEERING	G FIRM

Small Business Development Division - Internal Services Department

SBD's Website: http://www.miamidade.eov/smallbusiness/

SBD 105 (Revised 10/14)



# Letter of Agreement (LOA) Small Business Enterprise ~ Architectural & Engineering (SBE-A/E) Program

THIS SECTION MU	ST'BE:COMPL	ETED BY PRIME F	ROPOSER/DESIGN:BUILDER	医自己自由于中央
From: Stantec Consulting Services	<u>, Inc</u>			
Nair	ie of Prime Pi	oposer / Design-	Builder	•
In response to Miami-Dade County's Small Business Enterprise — Architecture percentage, if awarded the contract. To fithe projected work assignment(s) to signing this Letter of Agreement the Ordinance No. 01-103 as: amended.	ral & Engineer The undersigne o be performe	ing (SBE-A/E) fir ed further certifies d upon execution	m listed below, performing the stated that the firm has been contacted and of the contract with Miaml-Dade Co	work at the stated I properly apprised unity. Further, by
*Name of Proposed SBE-A/E Firm	Metco Services	Southeast_LLC		
Name of Certified SBE-A/E *Prime/Sub (SBE-A/B meeting the goal)	SBR-A/R Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
Metco Services Southeast LLC	Mlcro-15167 CBE 12813	10/31/2017 10/31/2017	6.01, 16.00 & 17.00	10%
Proposer's I Design Builder Signature  COMPLEMENTALE IFISES  I certify that the representations conta	zej jonkonjev		· · · · · · · · · · · · · · · · · · ·	
Lead A/E Firm Signature	Le	ead A/E Firm Nam	e/Title (Print)	Date)
ACKNOWLEDGMENT BY THE Undersigned has reasonably unco certifications necessary to provide such and the ability to otherwise meet the provide and the ability to otherwise meet the provide SBE-A/E Subconsultant Signatural Signatural Sakshmun Thallage SBE-A/E Subconsultant Name (I	IE PROPOS minited capaci h services, the oposal specific re On///	ED SBE - ARCI	HITECTURAL & ENGINEERIN rovide the required services, all licent such services consistent with normal 2016	G FIRM ses and technical
Name of SBE-A/B Firm	FILEH DE,	~~~	,	•

Small Rushness Transforment Diniston - Internal Services Donnetmant

SBD's Website: http://www.miamidade.gov/smallbusiness/

List of Certified Firms; http://www.miamidade.gov/business/reports-certification-lists.asp

ALTON Keelmady 201 002

SEWER PUMP STATION SYSTEMS - DESCRIPTION: Design, construct, LOCATION; Various Sites Throughout Mlami	and rehabilitate	DECREE PR pump statlor	ıs infrastructu: Distric	e systems to out Located; ol(s) Served;	comply with E	PROJE6 PA Consent C Countywide Countywide	)ecreo e	440	6
REVENUE SCHEDULE;	PRIOR 16,334	2016-17 19,307	2017-18 38,890	2018-19 23,678	2019-20 15,000	2020-21 7,184	2021-22 1,000	FUTURE 0	TOTAL 121,393
Future WASD Revenue Bonds WASD Revenue Bonds Sold	8,513	0	0	0	0	0	0	0	8,513
Wastewater Connection Charges	1,006	0	0	0	0	0	0	0	1,006
TOTAL REVENUES:	25,853	19,307	38,890	23,678	15,000	7,184	1,000	0	130,912
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 920	FUTURE 0	TOTAL 120,439
Construction	19,850	21,697	35,779 3,111	21,784 1,894	13,800 1,200	6,609 675	. BO	0	10,473
Planning and Design	1,725	1,888 23,585	38,890	23,678	15,000	7,184	1,000		130,912
TOTAL EXPENDITURES: Estimated Annual Operating In	21,575 noact will begin	კა,იიი Jn FY 2019-20				1,101	1,000	·	,,,,,,,
			<b></b>						
MIAMI SPRINGS CONSTRUCTION FI	UND - WATE	R ·				(PROUE	<b>C</b> T##¥296	5450gc)	
DESCRIPTION: Repair and or rep	lacement water	transmission	pipes in Mian	il Springs	•	C			
LOCATION: Miaml Springs				ct Located; ct(s) Served;		6 6	_ '		
Mami Springs			Dan	crie) oor sen		Ü	.*		
					0040.00	2020 04	2021-22	FUTURE	TOTAL
REVENUE SCHEDULE:	PRIOR 5,963	2016-17 0	2017-18 0	2018-19 0	2019 <b>-20</b> 0	202 <sub>1</sub> 0-21 0	ZUZ1-ZZ	0	5,963
Mlami Springs Water Construction Fund	5,963		0		0		<del></del>	0	5,963
TOTAL REVENUES:		_	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
EXPENDITURE SCHEDULE: Construction	PRIOR 1,147	2016-17 3,505	417	2010-19	2013-20	0	. 0	0	5,069
Planning and Design	202	619	73	0	Ō	0	0	0	894
TOTAL EXPENDITURES:	1,349	4,124	490	0	0	. 0	0	0	5,963
NW 37 AVE INDUSTRIAL DEVELOP DESCRIPTION: Replace water at LOCATION: NW 37 Ave and I Various Sites	id sewer mains	- GENERAL In the NW 37	Ave Industria Distr	ON BONDS   Developmen  ot Located;  ct(s) Served:	(GOB) t Area	PROJE 2 Systemwi		5520	
REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	3,985	2,162	1,848	740	853	0	0 0	0	9,588 4
BBC GOB Financing		0	` 0	0	0	0	Q	0	430
BBC GOB Series 2005A	4 420	n	n				4	-	
BBC GOB Series 2005A BBC GOB Series 2008B	430	0	0 0	Q 0	0	0	.0	. 0	
BBC GOB Series 2005A BBC GOB Series 2008B BBC GOB Series 2008B-1		<b>0</b> 0		0 0		0	.0 0	0 0	190
BBC GOB Series 2005A BBC GOB Series 200BB BBC GOB Series 200BB-1 BBC GOB Series 2014A	430 190 9	. <u>,</u> 0	0	û	0			•	190 9
BBC GOB Series 2005A BBC GOB Series 200BB BBC GOB Series 200BB-1 BBC GOB Series 2014A TOTAL REVENUES:	430 190 9 4,618	0 . 0 2,162	0 0 1,848	0 0 740	0 <b>0</b>	0	0	0	190 9 10,221
BBC GOB Series 2005A BBC GOB Series 200BB BBC GOB Series 200BB-1 BBC GOB Series 2014A TOTAL REVENUES: EXPENDITURE SCHEDULE;	430 190 9 4,618 PRIOR	. <u>,</u> 0	0	0 <b>0</b>	0 0 853	0	0 0 2021-22 0	0 FUTURE 0	190 9 10,221 TOTAL 9,601
BBC GOB Series 2005A BBC GOB Series 200BB BBC GOB Series 200BB-1 BBC GOB Series 2014A TOTAL REVENUES:	430 190 9 4,618	2,162 2016-17	0 0 1,848 2017-18	0 0 740 2018-19	0 0 853 2019-20	0 2020-21	0 0 2021-22	0 0 FUTURE	190 9 10,221 TOTAL

WATER TREATMENT PLANT - FLORIDIAN REVERSE OSMOSIS

PROJECT #:

DESCRIPTION:

Construct a 10-million gallons per day (MGD) Reverse Osmosis Treatment Plant using Upper Floridian Aquifer, the jointly-

owned plant will equally serve the City of Hialeah and WASD service areas; total cost of \$160 million, includes

contribution and expenditures of \$80 million from City of Hialeah

LOCATION:

Hialeah

District Located:

District(s) Served:

Systemwide

REVENUE SCHEDULE: Water Connection Charges	PRIOR 3,091	2016-17 3,300	2017-18 0	2018-19 0	2019-20 0	<b>2020-21</b> 0	2021-22	FUTURE - 0	TOTAL 6,391
TOTAL REVENUES:	3,091	3,300	0	0	0	0	0	0	6,391
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	2,009	3,360	0	0	0	0	0	0	5,369
Planning and Design	382	640	0	0	0	0	0	0	1,022
TOTAL EXPENDITURES:	2,391	4,000	0		0	0	0	0	6,391

EXTENSION OF SEWER SYSTEM TO COMMERCIAL AND INDUSTRIAL CORRIDORS OF THE COUNTY AS PER BCC RESOLUTION R-537-14 - BUILDING BETTER COMMUNITIES BOND

**PROGRAM** 

DESCRIPTION:

Extend sewer service to developed commercial and industrial corridors in Miami-Dade County

LOCATION:

Various Sites

Throughout Mlami-Dade County

District Located: District(s) Served; Countywide

PROJECT #:

967090

Countywide

REVENUE SCHEDULE: BBC GOB Financing	PRIOR * 2,063	2016-17 3,635	2017-18 14,084	2018-19 21,183	2019-20 11,829	2020-21 17,313	2021-22 28,000	FUTURE 27,893	TOTAL 126,000
TOTAL REVENUES:	2,063	3,635	14,084	21,183	11,829	17,313	28,000	27,893	126,000
EXPENDITURE SCHEDULE: Construction	PRIOR 15	2016-17 357 3,278	2017-18- 14,084	2018-19 21,183 0	2019-20 11,829 0	2020-21 17,313	2 <b>021-22</b> 28,000 0	FUTURE 27,893 0	TOTAL . 120,674 5,326
Planning and Design TOTAL EXPENDITURES:	2,048	3,635	14,084	21,183	11,829	17,313	28,000	27,893	126,000

WATER PIPES AND INFRASTRUCTURE PROJECTS

967190 PROJECT #:

DESCRIPTION:

Replace pipe and construct infrastructure repairs

Countywide LOCATION:

Various Sites

District Located:

District(s) Served:

Systemwide Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold Water Renewal and Replacement Fund	PRIOR 0 15,410 10,963	2016-17 1,752 0 8,000	2017-18 6,047 0 8,000	2018-19 11,157 0 8,000	2019-20 0 0 0 8,000	2020-21 0 0 0 8,000	2021-22 0 0 8,000	FUTURE 0 0 8,000	TOTAL 18,956 15,410 66,963
TOTAL REVENUES:	26,373	9,752	14,047	19,157	8,000	8,000	8,000	8,000	101,329
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL.
Construction	25.054	9.264	13.345	18,199	7,600	7,600	7,600	7,600	96,262
Planning and Design	1,319	488	702	958	400	400	400	400	5,067
TOTAL EXPENDITURES:	26,373	9,752	14,047	19,157	8,000	8,000	8,000	8,000	101,329

UPGRADE OF MIAMI SPRI	NGS PÙMP S	STATIONS	- GENERAL	OBLIGATIO	ON BONDS	(GOB)	PROJE	CT #: 967	730	-
-	de electrical co	ntrol panels,	pumps and p	roprietary SC <i>I</i> Distric	ADA system it Located:		6	,	j,	•
	s Sites s Sites	,			i(s) Served:		Systemwle	le		
1 MIOS										
REVENUE SCHEDULE:		PRIOR	2016-17	2017-18	201B <b>-</b> 19	2019-20	2020-21	2021-22	FUTURE	TOTAL
BBC GOB Financing		20	40	111	100	0	0	, 0	0	271
BBC GOB Series 2008B-1		559	. 0	0	0	0	0	0	0	559
BBC GOB Serles 2011A		8	0	0	0	. 0_	0	0	0	8
TOTAL REVENUES:	_	587	40	111	100	0	0	0	0 .	838
EXPENDITURE SCHEDULE:		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		587	40	111	100	0	0	0	0	838
TOTAL EXPENDITURES:	= <del></del> -	587	40	111	100	0	0	0	0	838
•										
WASTEWATER COMMER	CIAL CORRIE	DORS ECC	NOMIC DE	VELOPMEN	Τ		PROJE	ECT#: 96	8090	
	l new sewer şe	rvice to com	merclal prope	rtles utilizing s	eptlc tanks		TBD			
	us Sites				ct Located:		TBD		- ,	
· Throu	ighoul Mlamí-D	ade County		Distri	ct(s) Served:		,			
•										
		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
REVENUE SCHEDULE:	_	PRIOR 0	2010-17 561	882	435	5,364	5,859	3,000	134,493	150,594
Future WASD Revenue Bond WASD Revenue Bonds Sold	S	3,319	0	0	Ü	0	. 0	0	0	3,319
TOTAL REVENUES:		3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
EXPENDITURE SCHEDULE:		2,656	449	706	348	4,291	4,687	2,400	107,594	123,131
Construction Land Acquisition/Improvemen	ıfs	132	22	35	17	215	234	120	5,380	6,155
Planning and Design	110	531	90	141	70	858	938	480	21,519	24,627
TOTAL EXPENDITURES:		3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
•						•				ı
WASTEWATER COLLECT	TON AND TE	ZANSMISS	ION LINES	- CONSENT		·	PROJ	IECT#: 9	68150	
DESCRIPTION: Desi	gn, construct, a	and rehability	ate collection (	and transmissi	on Infrastructe	ure lines to co	mply with EP.	A Consent De	cree	
LOCATION: Vari	ous Sites			Dist	rict Localed:		Countyw	1106		
	ughout Mlami-l	Dade County	1	Dist	rlot(s) Served:		County	/lde		
		DEIOE	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
REVENUE SCHEDULE:	40	PRIOR 78,223	7,223	54,200	42,277	20,770	15,024			369,974
Future WASD Revenue Bon WASD Revenue Bonds Solo		42,645	0	0 1,200	0	. 0.	0	. 0	0	42,645
Wastewater Connection Cha		16,489	4,964	Ō	. 0	0	0			21,453
Wastewater Renewal Fund	···u	8,082	. 0	0	0	0	0			8,082
TOTAL REVENUES:	B	145,439	12,187	54,200	42,277	20,770	15,024	15,273		442,154
	<u>.</u>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21			TOTAL
	-			48,238	37,627	18,485	13,371			393,517
EXPENDITURE SCHEDULE		92,876	47,411	IOIEDO						
EXPENDITURE SCHEDULE Construction		92,876 7,304	47,411 3,729	3,794	2,959	1,454	1,052			30,950
EXPENDITURE SCHEDULE						1,454 831	1,052 601 15,024	611	. 5,470	30,950 17,687 442,154

WASTEWATER PIPES DESCRIPTION:	AND INFRASTE	RUCTURE P	ROJECTS In areas requi	ing service in	aprovements		PROJEC		750	
LOCATION:	various Sites Various Sites			Distric	t Located: t(s) Served:		Systemwid Systemwid			
•		, .							• .	
		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
EVENUE SCHEDULE: WASD Revenue Bonds (	Sold	1,438	2010-11	0	0	0	D	0	0	1,438
Wastewater Renewal Fu		10,933	0	3,000	,3 <sub>,</sub> 000	3,000	3,000	3,000	3,000	28,933
OTAL REVENUES:	=	12,371	0	3,000	3,000	3,000	3,000	3,000	3,000	30,371
XPENDITURE SCHEDU	JLE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		9,371	3,000	3,000	3,000	3,000	, 3,000	3,000	3,000	30,371
OTAL EXPENDITURES		9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,371
 Nami springs con	ISTRUCTION FU	ND - WAST	EWATER	uomanta la Alle	apribus lma		PROJE	CT#: 96	9110	
· LOCATION:	Construct wastewa Miami Springs Miami Springs	iter collection :	system Improv	Distri	of Located: ct(s) Served:		6 6			1
		DDIOD	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
REVENUE SCHEDULE: Mlami Springs Wastewa	ster Constauction	PRIOR 1,326	2010-17	2017-10	2010-13	0	0	0	0	1,32
iviiami ebungs westewa Tund	(GI CONSEGUENTI	1,020	·							
OTAL REVENUES:		1,326	0	0	0	0	0	0	0	1,32
EXPENDITURE SCHED	ULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Construction		866	148	312	0	00	00	0	<u> </u>	1,32
TOTAL EXPENDITURES	S:	866	148	312	0	0	0	0	0	1,32
			•							
NATER TREATMENT DESCRIPTION:	F PLANTS MISC Upgrade water tre	ELLANEOU	S UPGRAD	ES atory regultren	nehts		PROJ	ECT#: 90	610960	
LOCATION:	Water Treatment   Various Sites			Dist	rict Ļocated; rict(s) Served:	:	Systemw Systemw			
REVENUE SCHEDULE		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	тот
REVENUE SCHEDULE Future WASD Revenue		0	2,500	8,032	7,366	127	0	0		18,0
WASD Revenue Bonds		2,934	٥	0	0	. 0	0	0		2,9
Water Construction Ful	nd	344	0	0	0	0	0	0		3
Water Renewal and Re	eplacement Fund	335	0	0	7 200		0			21,6
TOTAL REVENUES:		3,613	2,500	8,032	7,366	127		2021-22		· TOT
EXPENDITURE SCHED	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20 125	2020-21 0	2021-22		21,4
Construction		3,578 35	2,475 25	7,952 80	7,292 74	2	.0	0		
Planning and Design	;n.			8,032	7,366	127	0	0		21,6
TOTAL EXPENDITURE	:S;	3,613	2,500	0,002	1,000	(4)	•		·	•

## SOUTH MIAMI-DADE WATER TRANSMISSION MAINS IMPROVEMENTS

PROJECT #: 9650021

DESCRIPTION:

Construct various water transmission mains to serve south Miami-Dade County after the new South Miami Heights water

treatment plant is in service

LOCATION:

South Mlami-Dade County

Various Sites

District Located:

District(s) Served:

Systemwide

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 0	2016-17 258	2017-18 751	2018-19 4,782	2019-20 851	2020-21 2,492	2021-22 8,738	FUTURE 978	TOTAL 18,850
TOTAL REVENUES:	0.	258	751	4,782	851	2,492	8,738	978	18,850
EXPENDITURE SCHEDULE:	·PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	0	214	623	3,969	706	2,068	7,253	812	15,645
Planning and Design	0	44	128	813_	145.	424	1,485	166	3,205
TOTAL EXPENDITURES:	0	258	751	4,782	851	2,492	8,738	978	18,850

#### WATER TREATMENT PLANT - ALEXANDER ORR, JR. EXPANSION

PROJECT#: 9650031

DESCRIPTION: Construct high service pumps, a 48-inch finished water line, install a new generator, and construct chlorine facilities

LOCATION:

6800 SW 87 Ave Unincorporated Miami-Dade County District Located: District(s) Served:

Systemwlde

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR , 0 9,159	2016-17 17,606 0	201 <b>7-</b> 18 17,438 0	2018-19 40,306 0	2019-20 31,214 0	2020-21 20,496 0	2021-22 12,953 0	FUTURE 4,796 0	TOTAL 144,809 9,159
TOTAL REVENUES:	9,159	17,606	17,438	40,306	31,214	20,496	12,953	4,796	153,968
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	7,877	15,141	14,996	34,663	26,844	17,626	11,140	4,125	132,412
Major Machinery and Equipment	92	176	175	403	312	206	129	48	1,541
Planning and Design	1,190	2,289	2,267	5,240	4,058	2,664	1,684	623	20,015
TOTAL EXPENDITURES:	9,159	17,608	17,438	40,306	31,214	20,496	12,953	4,796	153,968

### WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS

PROJECT #: 9650041

DESCRIPTION

Construct pump station east of the reservoir outside the transmission loop; construct five-mega-gal elevated remote

storage, new laboratory, filter backwash water tank; install two emergency generators; construct chlorine facilities; and

various upgrades to plant and remote storage

LOCATION:

700 W 2 Ave and 1100 W 2 Ave

Hlaleah

District Located:

District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 1,138 12,075	2016-17 10,801 0	201 <b>7-18</b> 2,991 ·	2018-19 4,373 0	2019-20 6,172 0	2020-21 744 0	2021-22 12,401 0	FUTURE · 30,283 · 0	TOTAL 67,903 12,075
TOTAL REVENUES:	13,213	10,801	2,991	4,373	5,172	744	12,401	30,283	79,978
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	9,513	7,777	2,153	3,149	3,724	536	8,929	21,804	57,585
Land Acquisition/Improvements	1,850	1,512	419	612	724	104	1,736	4,239	11,196
Planning and Design	1,850	1,512	419	612	724	104	1,736	4,240	11,197
TOTAL EXPENDITURES;	13,213	10,801	2,991	4,373	5,172	744	12,401	30,283	79,978

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$15,000,000

	(	•							
WATER EQUIPMENT AND VEHICLES						PROJE	CT #: 965	60141	
DESCRIPTION: Acquire vehicles, e LOCATION: Systemwide Various Siles	equipment, and	associated w	Distrik	apital support of Locafed; ot(s) Served:	maienais	Systemwld Systemwld			
REVENUE SCHEDULE: Fulure WASD Revenue Bonds	PRIOR 0	2016-17 0	<b>2017-18</b> 750	2018-19 1,850	2019-20 3,363	2020-21 7,842	2021-22 12,713	FUTURE 223,084	TOTAL 249,602
WASD Revenue Bonds Sold Water Renewal and Replacement Fund	52 42,80 <u>6</u>	0 5,8 <b>4</b> 2	0 5,200	0 5,200	0 5,200	0 5,200	5,200	0 5,200	52 79,848
TOTAL REVENUES:	42,858	5,842	5,950	7,050	8,563	13,042	17,913	228,284	329,502
EXPENDITURE SCHEDULE: Major Machinery and Equipment	PRIOR 35,704	2016-17 12,996	2017-18 5,950	2018-19 7,050	2019-20 8,563	2020-21 13,042	2021-22 17,913	FUTURE 228,284	TOTAL 329,502
TOTAL EXPENDITURES:	35,704	12,996	5,950	7,050	8,563	13,042	17,913	228,284	329,502
						,			
WATER TREATMENT PLANTS REPL DESCRIPTION: Renovate and rep	ACEMENT A	AND RENOV Itment plant fa	icilities and str		plant sites	PROJE	•	50161	
LOCATION: Water Treatment I Various Sites	⊃lants	•		ct Located; ct(s) Served;		Systemwi Systemwi			
REVENUE SCHEDULE:	PRIOR .	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	5,500	4,045	5,516	0	. 0	0 0	0	15,061 3,089
WASD Revenue Bonds Sold Water Renewal and Replacement Fund	3,089 12,695	0	0 2,500	0 2,500	0 2,500	2,500	2,500	2,500	27,695
TOTAL REVENUES;	15,784	5,500	6,545	8,016	2,500	2,500	2,500	2,500	45,845
EXPENDITURE SCHEDULE: Construction	PRIOR - 13,601	2016-17 7,683	2017-18 6,545	2018-19 B,016	2019-20 2,500	2020-21 2,500	2021-22 2,500	FUTURE 2,500	TOTAL . 45,845
TOTAL EXPENDITURES:	13,601	7,683	6,545	8,016	2,500	2,500	2,500	2,500	45,845
,					,				
						•			
WATER SYSTEM MAINTENANCE AM	ID UPGRAD	ES		-		PROJ	ECT #: 96	550181	-
DESCRIPTION: Maintain and devi LOCATION: Systemwide Various Sites	elop existing w	ater system fa	Distr	ires, and equi lct Located: lct(s) Served:	pment	Systemwi Systemwi			
vallous sites			שפום	ioi(a) delveu.		dystoniin	40		
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
WASD Revenue Bonds Sold Water Renewal and Replacement Fund	6,593 33,695	0 15,886	0 15,000	0 15,000 .	0 15,000	0 15,000	0 15,000	0 15,000	6,593 139,581
TOTAL REVENUES:	40,288	15,886	15,000	15,000	15,000	15,000	15,000	15,000	146,174
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	36,868	17,059	14,400	14,400	14,400	14,400 600	14,400 600	14,400 600	140,327 5,847
Planning and Design	1,536	711	600	600	600	600	טטס	700	0,047

15,000

38,404

TOTAL EXPENDITURES:

17,770

15,00D

15,000

15,000

15,000

146,174

15,000

GRAVITY SEWER REN	OVATIONS tehabliltate gravity	r sewers to red	uce Infiltration	and Inflow			PROJE		50201	
LOCATION; S	ystemwide 'arious Sites			Distric	et Located: et(s) Served:		Systemwld Systemwld		,	
REVENUE SCHEDULE:		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue B	Bonds	3,670	1,376	1,258	1,050	650	350	224	0	8,578
WASD Revenue Bonds S	sold	5,153	0	D	0	D	0	0	<del></del> - <del></del>	5,153
TOTAL REVENUES:		8,823	1,376	ຸ1,258	1,050	650`	350	224	0	13,731
EXPENDITURE SCHEDU	LE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		8,381	1,307	1,195	998	618	333 17	213 11	0 0	13,048 686
Planning and Design	=	442	69	63	52	32		224	0	13,73
TOTAL EXPENDITURES		8,823	1,376	1,258	1,050	650	350	224	U	10,10
SANITARY SEWER SY	STEM IMPRO	/EMENTS					PROJE		50221	
	Construct sanitary	sewer system	Improvement	s using funds	from the spec	lal construction	n fund Includia	ng special tax	ling	
	llstricts Systemwide			Distri	ct Located;		Systemwl	de		
	/arlous Sites				ct(s) Served:		Systemwi			•
	Allous Ollos	,					·			
THE COURT CALLED HE.		noion	2016 47	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
REVENUE SCHEDULE: Wastewater Special Con	etruction Fund	PRIOR 50,380	2016-17 0	2017-10	2010-19	2013-20 0	0	0	0	50,38
TOTAL REVENUES:	attacion i atia	50,380		0	0	0	0	0	0	50,38
	n r.	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
EXPENDITURE SCHEDU  Construction	ILE:	5,288	2,500	2,500	2,500	2,500	2,500	32,592	0	50,38
TOTAL EXPENDITURES	:	5,288	2,500	2,500	2,500	2,500	2,500	32,592	0	50,38
CENTRAL MIAMI-DAD	E WASTEWAT	ER TRANSI	MISSION MA	INS AND P	UMP STATI	NO	PROJE	ECT #: 96	550241	
IMPROVEMENTS  DESCRIPTION:	Construct a force	main crossing	Bear Cut, a fo	orce main in F	lagler St from	SW 37 Ave to	SW 10 Ave,	and a force m	naln	•
	from Mlami Beach						<b>0.</b> ()			
	Wastewater Syste	em - Central Di	strict Area		ict Located:		Systemwi Systemwi			
	City of Miami			DISK	ict(s) Served:		oyatesiwi			
					0040 45	0040.00	ካበካር ሳላ	OUNA DE	FUTURE	ТОТА
REVENUE SCHEDULE:	<b>.</b> .	PRIOR	2016-17	2017-18	2018-19	2019-20 18,583	2020-21 19,421	2021-22 13,430	55,255	149,75
	Honds	1,132 0	7,127 . 0	17,360 0	17,450 0	10,003 . 0	15,421 ()	0	828	82
Future WASD Revenue		6,505	. 0	0	0	0	Ö	ő	.0	6,50
Future WASD Revenue WASD Future Funding	Sold	21242	6,132	4,000	5,000	5,000	. 7,000	7,000	17,732	65,2
Future WASD Revenue WASD Future Funding WASD Revenue Bonds		13,352	0,102				00 404	00.400	73,815	224.26
Future WASD Revenue WASD Future Funding WASD Revenue Bonds Wastewater Connection			13,259	· 21,360	22,450	23,583	26,421	20,430	10,010	222,31
Future WASD Revenue WASD Future Funding WASD Revenue Bonds Wastewater Connection TOTAL REVENUES:	Charges	20,989		· 21,360 2017-18	22,450 2018-19	23,583 2019-20	2020-21	20,430	FUTURE	TOTA
Future WASD Revenue WASD Future Funding WASD Revenue Bonds Wastewater Connection TOTAL REVENUES:	Charges		13,259	· ·			2020-21 21,601	2021 <b>-22</b> 17,570	FUTURE 77,816	222,30 TOTA 191,18
Future WASD Revenue WASD Future Funding WASD Revenue Bonds Wastewater Connection TOTAL REVENUES:	Charges	20,989 PRIOR	13,259 2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA

WATER GENERAL MAINTENANCI	E AND OFFICE I	FACILITIES				PROJE	CT#: 965	60271	
DESCRIPTION: Construct region Systemwide Various Sites	onal general mainte	enance center	Distric	es, and storage it Located; of(s) Served;	je warehouse	s Systemwid Systemwid			
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,335	2016-17 · 8,520 0	2017-18 11,759 0	2018-19 11,192 0	<b>2019-20</b> 5,637 0	2020-21 18,040 0	2021-22 349 0	FUTURE 0 0	TOTAL 55,497 1,335
TOTAL REVENUES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,832
EXPENDITURE SCHEDULE: Construction	PRIOR 1,201	2016-17 7,668	2017-18 10,583	2018-19 10,073	2019-20 5,073	2020-21 16,236	202 <b>1-22</b> 314	FUTURE 0	TOTAL 51,148
Planning and Design	134	852	1,176	1,119	564	1,804	35	0	5,684
TOTAL EXPENDITURES:	1,335	8,520	11,759	11,192	5,637	18 <sub>1</sub> 040	349	0	56,832
WASTEWATER EQUIPMENT AND DESCRIPTION: Acquire vehicl LOCATION: Systemwide Various Sites	les, equipment, and	d associated v	Distr	stem capital s ict Located; ict(s) Served;	upport materi	PROJi als Systemwl Systemwl	de	50301	
Aguora otres			; ;	ioi(a) Corrodi		-,			•
•	• •								
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA!
WASD Revenue Bonds Sold	. 552	0	0	0	0	0	0	0	55
Wastewater Renewal Fund	41,380	12,436	11,500	11,500	11,500	11,500	11,500	11,500	122,81
TOTAL REVENUES:	41,932	12,436	11,500	11,500	11,500	11,500	11,500	11,500	123,36
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE 11,500	TOTA 123,36
Major Machinery and Equipment	35,875	18,493	11,500	11,500	11,500	. 11,500	11,500	11,500	123,36
TOTAL EXPENDITURES:	35 <sub>1</sub> 875	18,493	11,500	11,500	11,500	11,500	11,500	11,000	120,00
								:	
				•		י מפת	ECT#: 9	650361	
WASTEWATER SYSTEM MAINTE	ENANCE AND U develop existing w	PGRADES	stem facilities	efructures at	nd equipment	LVO	EQ1 H. S	030301	
DESCRIPTION: Maintain and LOCATION: Systemwide Various Sites		vasiewalei sys	Dist	rict Located: rict(s) Served		Systemv Systemv			•
						•			mae •
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 0	FUTURE 0	TOT <i>A</i> 3,18
WASD Revenue Bonds Sold	3,188	0 40 / 41	0 20,000	0 20,000	0 20,000	0 20,000	20,000	20,000	176,8
Wastewater Renewal Fund	38,387 44 575	18,428		20,000	20,000	20,000	20,000	20,000	180,0
TOTAL REVENUES:	41,575	18,428	20,000		2019-20	2020-21	2021-22		TOTA
EXPENDITURE SCHEDULE:	PRIOR 41,575	<b>2016-17</b> 18,428	2017-18 20,000	2018-19 20,000	2019-20 20,000	20,000	20,000	•	180,0
Construction	41,575	18,428	20,000	20,000	20,000	20,000	20,000		180,0
TOTAL EXPENDITURES:	411010	10,420	20,000	20,000	20,000		,	,	•

Total Revenue Bonds   650   2,500   3,058   4,500   4,049   4,500   4,172   29,000   22   20   20   20   20   0   0   0	LOÇATION: S	DES AND STR epair, replace, a ystemwide arious Sites	RUCTURAL M. nd upgrade exis	AINTENANO ting lift station	ns throughout Distric	EMENTS the wastewald at Located; ct(s) Served;	er system	PROJEC Systemwid Systemwid	8	60371	
VASD Revenue Brinds Sold   2,009		1									TOTAL 52,429
Water Main Revenue   Fund						-					2,009
TOTAL REVENUES: 9,003 2,500 5,058 6,500 6,049 6,500 6,172 31,000 72 EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE TO A 1,000 1,000 1,000 1,000 2,000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-		_			=	=	=	18,344
EXPENDITURE SCHEDULE:   PRIOR   2016-17   2017-18   2018-19   2019-20   2020-21   2021-22   FUTURE   TO Construction   8,788   1,946   3,844   4,940   4,597   4,940   4,690   23,560   23,560   23,600   24,340   10   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340   24,340	• • • • • • • • • • • • • • • • • • • •	<u>a</u> =									72,782
EXPENDITURES STREDUCE:   R,788   1,946   3,944   4,940   4,697   4,940   4,690   23,560   55							•				TOTAL
Construction   Cons		LE;									55,315
Pelinning and Design   894   255   508   850   605   660   618   3,100   7		manh									10,188
TOTAL EXPENDITURES: 5,943 2,580 5,658 6,500 6,049 6,500 6,172 31,000 72 Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$5,000,000 PROJECT #: 9651051  WATER MAIN EXTENSIONS PROJECT #: 9651051  DESCRIPTION: Construct water main extensions funded from the special construction fund, including special taxing districts Systemwide LOCATION: Systemwide Various Sites District Located: Systemwide Systemwide Various Sites District (s) Served: Systemwide Systemwide TOTAL REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE TOTAL REVENUE: 7,087 595 1,000 1,000 1,000 2,000 2,000 0 1 1  EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE TOTAL EXPENDITURES: 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 0 1 1  TOTAL EXPENDITURES: 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 0 1 1  TOTAL EXPENDITURES: 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 0 1 1  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651091  MIMPROVEMENTS  DESCRIPTION: Construct plping Improvements to pump station number 538 and force main upgrade in SW 117 Ave Various Sites District Area District Located: Systemwide Systemwide District Located: Systemwide Systemwide District Located: Systemwide Systemwide District Located: Systemwide Systemwide District Located: Systemwide Systemwide District Revenue Bonds 1,562 8,212 18,289 23,917 28,324 23,162 17,911 160,934 28 40,830 Future Funding 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		11161112							618		7,279
### PROJECT ### PR	=	. =					6.049	6,500	6,172	31,000	72,782
DESCRIPTION:   Construct water main extensions funded from the special construction fund, including special taxing districts	EstImated Anr	nual Operating in	mpact will begin	In FY 2018-1	s in the amou	nt of \$5,000,0	uu			•	
REVENUE SCHEDULE:         PRIOR         2016-17         2017-18         2018-19         2019-20         2,000         2,000         0         1           TOTAL REVENUES:         7,087         595         1,000         1,000         1,000         2,000         2,000         0         1           EXPENDITURE SCHEDULE:         PRIOR         2016-17         2017-18         2018-19         2019-20         2020-21         2021-22         FUTURE         TO construction         6,182         1,500         1,000         1,000         1,000         2,000         2,000         0         1           TOTAL EXPENDITURES:         6,182         1,500         1,000         1,000         1,000         2,000         2,000         0         1           SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS         PROJECT #:         9651081           SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS         PROJECT #:         9651081           MARCHARD REVENUES:         Construct plping improvements to pump station number 536 and force main upgrade in SW 117 Ave           District(s) Served:         Systemwide           Various Sites           Nation In July Ave Values States Ave Values States Ave Values States Ave Values Sta	DESCRIPTION; C LOCATION; S	Construct water i Systemwide	πaĺn extensions	funded from	Distr	lct Located:	d, including sp	ecial taxing d Systemwi	istricts de	51051	
TOTAL REVENUES: 7,087 595 1,000 1,000 1,000 2,000 2,000 0 0 1  EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE TO Construction 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 1  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651081  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651081  IMPROVEMENTS  DESCRIPTION: Construct piping improvements to pump station number 536 and force main upgrade in SW 117 Ave LOCATION: Wastewater System - South District Area District Located: Systemwide Various Sites  REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE Tuture WASD Revenue Bonds 1,962 8,212 18,269 23,917 28,324 23,162 17,911 160,934 26 WASD Evenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		on Fund									TOTAL 14,682
EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE TO Construction 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 1  TOTAL EXPENDITURES: 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 0 1  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651061  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651061  IMPROVEMENTS  DESCRIPTION: Construct piping improvements to pump station number 536 and force main upgrade in SW 117 Ave LOCATION: Wastewater System - South District Area District Located: Systemwide Various Sites  REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE T Future WASD Revenue Bonds 1,962 8,212 18,269 23,817 28,324 23,162 17,911 160,934 226 WASD Future Funding 0 0 0 0 0 0 0 0 24,390 2 WASD Revenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	יים אונים ביים וויט							<del></del>	0	14,682
Construction 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 1  TOTAL EXPENDITURES: 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 1  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651061  MPROVEMENTS  DESCRIPTION: Construct plping improvements to pump station number 536 and force main upgrade in SW 117 Ave LOCATION: Wastewater System - South District Area District Located: Systemwide Various Sites  REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE Tuture WASD Revenue Bonds 1,962 8,212 18,269 23,917 28,324 23,162 17,911 160,934 26 WASD Revenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•									FUTURE	TOTAL
TOTAL EXPENDITURES: 6,182 1,500 1,000 1,000 1,000 2,000 2,000 0 1  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651081  SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS  DESCRIPTION: Construct piping Improvements to pump station number 536 and force main upgrade in SW 117 Ave LOCATION: Wastewater System - South District Area District Located: Systemwide Various Sites  REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE T Future WASD Revenue Bonds 1,962 8,212 18,269 23,917 28,324 23,162 17,911 160,934 28 WASD Future Funding 0 0 0 0 0 0 0 0 24,390 2 WASD Revenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		LE:									. 14,682
SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS PROJECT #: 9651081  IMPROVEMENTS  DESCRIPTION: Construct piping improvements to pump station number 536 and force main upgrade in SW 117 Ave LOCATION: Wastewater System - South District Area District (s) Served: Systemwide  REVENUE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE Truture WASD Revenue Bonds 1,962 8,212 18,269 23,917 28,324 23,162 17,911 160,934 28 WASD Future Funding 0 0 0 0 0 0 0 0 24,390 WASD Revenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										0	14,682
MPROVEMENTS	TOTAL EXPENDITURES:	•	0, (02			1,000	,,===	,			-
DESCRIPTION:   Construct plping Improvements to pump station number 536 and force main upgrade in SW 117 Ave		STEWATER T	RANSMISSIC	N MAINS A	ND PUMP S	STATIONS		PROJ	ECT #: 90	651061	
Future WASD Revenue Bonds WASD Revenue Bonds WASD Revenue Bonds WASD Revenue Bonds WASD Revenue Bonds WASD Revenue Bonds WASD Revenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DESCRIPTION: ( LOCATION: \	Wastewater Sys	Improvements t tem - South Dist	o pump static irict Area	Dist	rict Located:		Systemw	.' Ida ida .		
Future WASD Revenue Bonds 1,962 8,212 18,269 23,917 28,324 23,162 17,911 160,934 28 WASD Future Funding 0 0 0 0 0 0 0 0 24,390 2 WASD Revenue Bonds Sold 1,360 0 0 0 0 0 0 0 0 0  TOTAL REVENUES: 3,322 8,212 18,269 23,917 28,324 23,162 17,911 185,324 30  EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE Construction 2,724 6,734 14,981 19,612 23,226 18,993 14,687 151,966 28 Planning and Design 598 1,478 3,288 4,305 5,098 4,169 3,224 33,358 4	REVENUE SCHEDULE:	,	PRIOR	2016-17	2017-18	2018-19	2019-20				TOTAL
WASD Future Funding         0         0         0         0         0         0         0         24,390         2           WASD Revenue Bonds Sold         1,360         0 <t< td=""><td>•</td><td>Bonds</td><td></td><td></td><td>18,269</td><td>23,917</td><td>28,324</td><td>23,162</td><td></td><td></td><td>282,691</td></t<>	•	Bonds			18,269	23,917	28,324	23,162			282,691
WASD Revenue Bonds Sold         1,300         0<	WASD Future Funding			. 0	_				_		24,390 1,360
EXPENDITURE SCHEDULE: PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 FUTURE T Construction 2,724 6,734 14,981 19,612 23,226 18,993 14,687 151,966 26		5010									308,441
Construction 2,724 6,734 14,981 19,612 23,226 18,993 14,687 151,966 26 Planning and Design 598 1,478 3,288 4,305 5,098 4,169 3,224 33,358 6											
Planning and Design 598 1,478 3,288 4,305 5,098 4,169 3,224 33,358 5	EXPENDITURE SCHEDL	JLE:									TOTAL 252,923
Plaining and Design 20 457 47 044 405 224 32											252,923 55,518
TOTAL EXPENDITURES: 3,322 8,212 18,269 23,917 28,324 23,162 17,911 185,324 30	Planning and Design										308,441
	TOTAL EXPENDITURES	<b>;</b> :	3,322	8,212	18,269	23,917	28,324	23,702	11,911	(QU <sub>)</sub> 324	2001 <del>44</del>

PUMP STATION IMPROVEMENTS PR DESCRIPTION: Upgrade pump sta	OGRAM llons systemwi	de to meet for	recasted dema	ands ot Located:		PROJE Systemwld		51071	
LOCATION: Systemwide Various Siles				ct(s) Served:		Systemwid			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	46,205	12,545	27,085	27,972	4,611	4,536	4,536	166,312	293,802
WASD Revenue Bonds Sold	13,450	0	· O	0	.0	. 0,	. 0	0	13,450
Wastewater Connection Charges	- 13,000	11,300	7,000	8,056	0	0	. 0	0	39,356
TOTAL REVENUES:	72,655	23,845	34,085	36,028	4,611	4,536	4,536	166,312	346,608
EXPENDITURE SCHEDULE: '	PRIOR	2016-17	2017-18		2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	51,197	29,174	30,716	31,620	11,394	4,082 46	· 4,082 46	149,681 1,663	. 311,946 3,468
Land Acquisition/improvements	568 569	324 324	· 342 341	352 351	127 126	45	45	1,663	3,464
Major Machinery and Equipment Planning and Design	, 569 4 <sub>1</sub> 551	2,593	2,731	2,811	1,013	363	363	13,305	27,730
TOTAL EXPENDITURES;	56,885	32,415	34,130	35,134	12,660	4,536	4,536	166,312	346,608
PUMP STATION GENERATORS AND DESCRIPTION: Install emergency LOCATION: Systemwide Various Sites	MISCELLAI generators an	NEOUS UPO	lscellaneous u Distri	ipgrades at wa lot Located; lot(s) Served;	astewater pun	PROJE np stations Systemwi Systemwi	de <sup>-</sup>	52002	·
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE 351	TOTAL 104,419
Future WASD Revenue Bonds	1,754	3,675 0	7,194 0	16,024 0	, 13,806 0	49,735 0	11,880 0.	331 0	. 104,413
WASD Revenue Bonds Sold	649	3,675	7,194	16,024	13,806	49,735	11,880	351	105,068
TOTAL REVENUES:	2,403	•	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
EXPENDITURE SCHEDULE:	PRIOR 1,969	2016-17 3,014	5,899	13,139	11,321	40,783	9,742	288	86,155
Construction Major Machinery and Equipment	73	110	216	481	414	1,492	356	10	3,152
Planning and Design	361	551	1,079	2,404	2,071	7,460	1,782	53	15,761
TOTAL EXPENDITURES:	2,403	3,675	7,194	16,024	13,806	49,735	11,880	351	105,068
WASTEWATER TREATMENT PLANT	re Miecel I	AMEQUE III	DUBYDES			PROJ	ECT#: 96	652061	
DESCRIPTION: Upgrade wastewa	ier frestment i	nlants to meet	regulatory rea	dulrements			,,,		
LOCATION: Wastewater Trea	tment Plants	p.a.i.b (0 ///00		rict Located:		Systemw	lde		
Various Sites			Dist	rlot(s) Served;	;	Systemw	ide		
•	•						•		
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	619	689	289	3,793	160	907	0	6,457
WASD Future Funding	0	0	, 0	0	0	0	0	' 6,593 0	6,593 1,250
WASD Revenue Bands Sold	1,250	0	0	0	0 700	0	0		
TOTAL REVENUES:	1,250	619	689	289	3,793	160	907	6,593	14,300
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	<b>2020-21</b> 150	<b>2021-22</b> 852	FUTURE 6,198	TOTAL 13,443
Construction	1,175 75	582 37	648 41	272 17	3,566 227	10	55 55	395	857
Planning and Design			689	289	3,793	160	907		14,300
TOTAL EXPENDITURES:	1,250	619	009	209	4)120	,00	501	2,000	,

NORTH MIAMI-DADE	WASTEWATE!	R TRANSMISS	SION MAINS	S AND PUMP	STATIONS	3	PROJE	CT.#: 965	52101	
IMPROVEMENTS DESCRIPTION: LOCATION:	Improve pump sta Wastewater Systo Various Sites	atlons to Increas em - North Distri	e system flex lot Area	. Distric	District Located: District(s) Served:			Systemwide Systemwide		
REVENUE SCHEDULE	_	PRIOR 2,948	2016-17 6,843	2017-18 20,257	2018-19 21,429	2019-20 22,363	2020-21 33,306	2021-22 45,823	FUTURE 357,640	TOTAL 510,609
Future WASD Revenue WASD Future Funding		2,540	0,040	20,201	0	0	. 0.	0	599,197	599,197
WASD Revenue Bond		447	Ō	Õ	Ō	. 0	, 0	0	0	447
Wastewater Connection		727	1,080	1,068	2,781	4,696	0	0	. 0	10,352
TOTAL REVENUES:		4,122	7,923	21,325	24,210	27,059	33,306	45,823	956,837	1,120,605
EXPENDITURE SCHEI Construction Planning and Design	OULE:	PRIOR 3,421 701	2016-17 6,576 1,347	2017-18 17,699 3,626	2018-19 20,094 4,116	2019-20 22,459 4,600	2020-21 27,644 5,662	2021-22 38,033 7,790	FUTURE 794,175 182,662	TOTAL 930,101 190,504
TOTAL EXPENDITURE	S: Annual Operaling i	4,122 mpact w li begin	7,923 In FY 2017-1	21,325 8 In the amour	<b>24,210</b> at of \$2,330,0	<b>27,059</b> 00	33,306	45,823	956,837	1,120,605

	TELEMETERING	ヘンパヘナドである
- いいんりかにいいんてには	TELEMENT FRING	SYSTEM
אם ואנוס זור געע	TELEPRETERING	OLUILII .

PROJECT #:

9652481

DESCRIPTION:

Install a computer system to monitor and control wastewater flows and pressures at various pump stations

LOCATION:

Systemwide Various Sites District Located: District(s) Served: Systemwide

Systemwide

<i>i</i> '									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	700	579	0	0	0	Đ	O .	0	1,279
WASD Revenue Bonds Sold	1,376	. 0	0	0	0	. 0	Û	D	1,376
Wastewater Renewal Fund	2,432	0	500	500	500	500	500	500	5,432
TOTAL REVENUES:	4,508	579	500	500	500	500	500	500	8,087
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3,227	1,860	500	500	500	500	500	500	8,087
TOTAL EXPENDITURES:	3,227	1,860	500	500	500	500	500	500	8,087

Estimated Annual Operating Impact will begin in FY 2017-18 in the amount of \$10,000

## SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD

PROJECT#: 9652821

DESCRIPTION: Construct water treatment plant, wellfields, and various water transmission mains in south Miami-Dade County

LOCATION:

11800 SW 208 St

District Located:

Unincorporated Miami-Dade County

District(s) Served:

Systemwide

REVENUE SCHEDULE; Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 16,546 17,457	2016-17 1,500 0	2017-18 18,726 0	2018-19 13 <sub>1</sub> 533 0	2019-20 11,211 0	2020-21 21,371 0	2021-22 54,543 0	FUTURE 124,158 0	TOTAL 261,586 17,457
TOTAL REVENUES:	34,003	1,500	18,726	13,533	11,211	21,371	54,543	124,156	279,043
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	14,035	18,627	17,228	12,450	10,314	19,661	50,179	114,223	256,718
Planning and Design	1,220	1,620	1,498	1,083	897	1,710	4,364	9,933	22,325
TOTAL EXPENDITURES:	15.256	20,247	18,726	13,533	11,211	21,371	54,543	124,156	. 279,043

Estimated Annuel Operating Impact will begin in FY 2018-19 in the amount of \$20,000,000

WASTEWATER GENERAL MAINTEI  DESCRIPTION: Construct and/or i  LOCATION: Systemwide  Various Sites	VANCE AND enovate regions	OFFICE FA( al general mal	ntenance cent Distric	ers, office fac Located; I(s) Served;	IIIties, and sto	PROJEC rage warehou Syslemwid Syslemwid	ses	3201	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	PRIOR 139 0 1,320	2016-17 2,927 0 0	2017-18 7,451 0	<b>2018-19</b> 12,265 0 0	<b>2019-20</b> 13,208- 0 0	2020-21 12,654 0 0	2021-22 8,184 0 0	FUTURE 31,000 72,031 0	TOTAL 87,828 72,031 1,320
TOTAL REVENUES:  EXPENDITURE SCHEDULE:  Construction Land Acquisition/Improvements	1,459 PRIOR 1,328 44	2,927 2016-17 2,663 88	7,451 2017-18 6,780 224	12,265 2018-19 11,161 368	13,208 2019-20 12,019 396	12,654 2020-21 11,515 380	8,184 2021-22 7,448 245	103,031 FUTURE 93,758 3,091	161,179 TOTAL 146,672 4,836
Planning and Design TOTAL EXPENDITURES:	87 1,459	176 2,927	7,451	736 12,265	793 - <b>13,2</b> 08	759 12,654	491 8,184	6,182 103,031	9,671 161,179
WASTEWATER TREATMENT PLANDESCRIPTION: Renovate and replaced LOCATION: Systemwide Various Sites	TS REPLACE place wastewate	MENT AND or treatment pl	ant (acilities a Distri	ON nd structures of Located; of(s) Served:	within piant si	PROJE tes Systemwic Systemwic	, fe	53261	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold Wastewater Renewal Fund	PRIOR 608 0 774 37,985	2016-17 608 0 0 0 11,704	2017-18 608 0 0 7,000	2018-19 3,526 0 0 7,000	2019-20 0 0 0 0 7,000	2020-21 0 0 0 0 7,000	2021-22 0 0 0 0 7,000	FUTURE 0 61,650 0 7,000	TOTAL 5,350 51,650 774 91,689
TOTAL REVENUES:  EXPENDITURE SCHEDULE:  Construction Planning and Design	39,367 PRIOR 36,191 1,905	12,312 2016-17 12,904 679	7,608 2017-18 7,228 380	10,526 2018-19 10,000 526	7,000 2019-20 6,650 350	7,000 2020-21 6,650 350	7,000 2021-22 6,650 350	58,650 FUTURE 55,718 2,932	149,463 TOTAL 141,991 7,472
TOTAL EXPENDITURES:	38,096	13,583	7,608	10,526	7,000	7,000	7,000	58,650	149,463
SANITARY SEWER SYSTEM EXTEN  DESCRIPTION: Extend sewer system wide  LOCATION: System wide  Various Sites		clude the exist	Distri	ewer needs as lot Located; lot(s) Served;	esessment	PROJE Systemwi Systemwi	de	53281	6
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold Wastewater Renewal Fund	PRIOR 2,113 0 11,991 10,735	2016-17 2,660 0 0 7,704	2017-18 2,113 0 0 1,500	2018-19 4,113 0 0 1,500	2019-20 3,038 D 0 1,500	2020-21. 0 0 0 0 1,500	2021-22 0 0 0 0 1,500	FUTURE 0 190,133 0 1,500	TOTAL 14,037 190,133 11,991 27,439
Wastewater Renewal Fund TOTAL REVENUES: EXPENDITURE SCHEDULE: Construction Planning and Design TOTAL EXPENDITURES:	24,839 PRIOR 23,899 739 24,638	10,364 2016-17 10,248 317 10,565	3,613 2017-18 3,605 108 3,613	5,613 2018-19 5,445 168 5,613	4,538 2019-20 4,402 136 4,538	1,500 2020-21 1,455 45 1,500	1,500 2021-22 1,455 45 1,500	191,633 FUTURE 185,884 5,749	243,600 TOTAL 236,293 7,307 243,600

WATER DISTRIBUTION SYSTEM EX  DESCRIPTION: Install various wat  LOCATION: Systemwide  Various Sites	CTENSION EN er mains through	HANCEMEI hout the distri	butlon system Distric	it Located; if(s) Served;		PROJEC Systemwide Systemwide	e	3311 ·	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 16,943 25,094	<b>2016-17</b> 11,830 0	2017-18 57,909 0	201B-19 22,867 0	2019-20 9,466 0	2020-21 10,000	2021-22 12,500 0	FUTURE 32,080 0	TOTAL 173,595 25,094
Water Connection Charges Water Renewal and Replacement Fund	22,606 32,56 <b>6</b>	5,521 0	3,590 . 3,500	3,500	· 0 3,500	0 3,500	0 3,500	0 3,500	31,717 53,566
TOTAL REVENUES:	97,209	17,351	64,999	26,367	12,966	13,500	16,000	35,580	283,972
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR 58,120 3,059	2016-17 45,554 2,397	2017-18 66,909 3,521	2018-19 25,048 1,318	2019-20 12,318 648	2020-21 12,825 675	202 <b>1-22</b> 15,200 800	FUTURE 33,801 1,779	TOTAL 269,775 14,197
TOTAL EXPENDITURES:	61,179	47,951	70,430	26,366	12,966	13,500	16,000	35 <sub>1</sub> 580	283,972
PEAK FLOW MANAGEMENT FACILI DESCRIPTION: Evaluate and con LOCATION: Systemwide Various Sites	ITIES istruct alternativ	es for peak flo	Distr	ent facilities an ict Located: ict(s) Served:	nd associated i	PROJE Infrastructure Systemwid Systemwid	de	53371	6
REVENUE SCHEDULE: Future WASD Revenue Bonds Wastewater Connection Charges	PRIOR 24,805 37,542	2016-17 18,537 0	2017-18 14,104 0	2018-19 9,208 0	2019-20 29,274 0	2020-21 16,014 0	2021-22 10,220 0	FUTURE 432,468 0	TOTAL 554,630 37,542
TOTAL REVENUES:	62,347	18,537	14,104	9,208	29,274	16,014	10,220	432,468	592,172
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR 53,986 6,672	2016-17 18,001 2,226	2017-18 12,552 1,552	2018-19 8,195 1,013	2019-20 26,054 3,220	2020-21 14,252 1,762	<b>2021-22</b> 9,095 1,125	FUTURE 384,897 47,571	TOTAL 527,032 65,140
TOTAL EXPENDITURES:	60,658	20,226	14,104	9,208	29,274	16,014	10,220	432,468	592,172
CORROSION CONTROL FACILITIES  DESCRIPTION: Construct corros stations; and res LOCATION: Systemwide Various Sites	ion control facili	tles and force	Dist	ate structures rict Located; rict(s) Served;			ants and pum Ide	<b>653381</b> IP	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,083	2016-17 100 0	20 <b>17-18</b> 90	2018-19 865	2019-20 352 0	2020-21 4,882 0	2021-22 116 0		TOTAL 6,405 1,083
TOTAL REVENUES:	1,083	100	90	865	352	4,882	116		7,48B
EXPENDITURE SCHEDULE: . Construction	PRIOR 921 162	<b>2016-17</b> 85 15	2017-18 76 14	<b>2018-19</b> 735 130	2019 <b>-20</b> 299 53	2020-21 4,150 732	<b>2021-22</b> 99 17	0	TOTAL 6,365 1,123
Planning and Design TOTAL EXPENDITURES:	1,083	100	90	865	352	4,882	116		7,488
IOIAL EVERADI DIVEO	11000		Ť						

### SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT#: 9653401

D

Construct plant process improvements including injection and monitoring wells, installation of emergency generators,

acquiring a land buffer, construction of a landfill gas pipeline, installation of co-gen units, and construction of sludge

handling facilities

LOCATION:

8950 SW 232 St

Unincorporated Mlami-Dade County

District Located:

District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold		PRIOR 5,000 0 '28,000	2016-17 0 0 0	2017-18 2,000 0 0	<b>2018-19</b> 4,000 0 0	2019-20 3,000 0 0	2020-21 1,000 0	2021-22 0 0 0	FUTURE 0 182,500 0	TOTAL 15,000 182,500 28,000
TOTAL REVENUES:	-	33,000	0	. 2,000	4,000	3,000	1,000	0	182,500	225,500
EXPENDITURE SCHEDULE:		PRIOR 32,000	2016-17 1,000	2017-18 2,000	2018-19 4,000	2019-20 3,000	2 <b>0</b> 20-21 1,000	2021-22 0	FUTURE 182,500	TOTAL 225,500
TOTAL EXPENDITURES:	_	32,000	1,000	2,000	4,000	3,000	1,000	0	182,500	225,500

#### NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

DESCRIPTION:

Construct a chlorine improvement process, replace sluice gates in the pre-treatment bar screen room, and provide for

various upgrades and rehabilitation of the plant

LOCATION:

2575 NE 151 St

North Mlaml

District Located: District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	PRIOR 1,262 0 338	2016-17 3,465 0 0	2017-18 8,868 0	2018-19 - 6,053 0 0	2019-20 4,200 0 0	2020-21 4,078 0 0	2021-22 3,180 0 0	FUTURE 32,820 100,225 0	TOTAL 63,926 100,225 338
TOTAL REVENUES:	1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489
EXPENDITURE SCHEDULE:	PRIOR 1,424	2016-17 3,084	2017-18 7,892	2018-19 5,387	2019-20 3,738	2020-21 3,630	2021-22 2,830	FUTURE 118,410	TOTAL 146,395
Construction Planning and Design	176	381	976	666	462	448	350	14,635	18,094
TOTAL EXPENDITURES:	1,600	3,465	8,868	6,053	· 4,200	4,078	3/180	133,045	164,489

### CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT #: 9653421

Construct digester improvements, digested sludge holding tanks, miscellaneous electrical improvements, outfall

rehabilitation, a new gas pipeline, a new flushing water line, and a sludge handling facility; various upgrades and

rehabilitation of plant including pump stations 1 and 2

LOCATION:

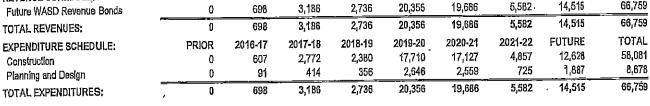
Virginia Key City of Miami District Located: District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	<b>2018-19</b>	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	2,093	5,347	8,522	5,713 ·	3,617	1,900	108	Q -	27,300
WASD Future Funding	0	0	0	0	0	0	0	8,500	8,500
WASD Revenue Bonds Sold	2,533	0	0	0	0	0	0	0	2,533
TOTAL REVENUES:	4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	38,333
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR	2016-17	2017-18	2018-19	2019-20	<b>2020-21</b>	<b>2021-22</b>	FUTURE	TOTAL
	4,348	5,026	8,011	5,370	3,400	1,786	102	7,990	36,033
	278	321	511	343	217	114	6	510	2,300
TOTAL EXPENDITURES:	4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	38,333



	LOCATION: Systemwide					PROJECT #: 9653461  Systemwide Systemwide			
	•								
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21 . 3,500	2021-22 3 <sub>1</sub> 500	FUTURE 3,500	TOTAL 61,478
Fire Hydrant Fund	36,978	3,500	3,500	3,500	3,500	3,500	3,500	3,500	61,478
TOTAL REVENUES:	36,978	3,500	3,500	3,500	3,500		•	FUTURE	TOTAL
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18 3,430	2018-19 3,430	2019-20 3,430	2020-21 3,430	2021-22 3,430	4,140	·60,249
Construction Planning and Design	35,529 725	3,430 . 70	ა₁+აս 70	3,430 70	70	70	70	. 84	1,229
TOTAL EXPENDITURES:	36,254	3,500	3,500	3,500	3,500	3,500	3,500	4,224	61,478
		ı		i					
and a 48-Inch	water main along i water main connec ade County Area	VW 87 Ave to	improve Irans Irol City tank Distri	omission capal of Located; of(s) Served;	bilitles <sub>,</sub> in the n	PROJE orth - central Systemwk Systemwk	area of the co de	54031 ounty;	•
			2017.10	0040.40	2040 30	2020-21	2021-22	Future :	TOTAL
REVENUE SCHEDULE:	PRIOR	2016-17 1,724	201 <b>7-1</b> 8 1,707	2018-19 9,840	2019-20 48	2020-21 0	2021-22	0	15,521
Future WASD Revenue Bonds WASD Revenue Bonds Sold	2,202 626	1,724	1,707	0,040	0	Ŏ	0	0	626
TOTAL REVENUES:	2,828	1,724	1,707	9,840	48	0	0	0	16,147
,	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
EXPENDITURE SCHEDULE: Construction	2,659	1,621	1,605	9,251	45	0	0	0	15,181
Planning and Design	169	103	102	589	3	. 0	0	0	966
TOTAL EXPENDITURES:	2,828	1,724	1,707	9,840	48	0	0	0	16,147
CENTRAL MIAMI-DADE WATER TO DESCRIPTION; Replace varion LOCATION; Central Miami City of Miami	TRANSMISSION us low pressure wa -Dade County Area	eter mains; in:	stall a 20-Inch Distr	TS water mein at water mein at lot Located: lot(s) Served;	i raliroad cross	PROJI sings via micro Systemwi Systemwi	otunneling me ide	<b>654041</b> ethod	
REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 0	2016-17 698	2017-18 3,186	2018-19 2,736	2019-20 20,356	2020-21 19,686	<b>2021-22</b> 5,582	FUTURE 14,515	TOTAL 66,759





### SAFE DRINKING WATER ACT MODIFICATIONS-SWT RULE AND D-DBP

PROJECT #: 9654061

DESCRIPTION: Modify water treatment to comply with Surface Water Treatment (SWT) and Disinfectant/Disinfection By Product (D-DBP)

Regulations

LOCATION: 'Systemwide

Various Sites

District Located:

District(s) Served:

Systemwide

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds Rock Mining Miligation Fees Water Renewal and Replacement Fund	PRIOR . 0 20,979 1,076	2016-17 610 . 0 0	2017-18 2,692 0 0	2018-19 17,364 0 0	2019-20 33,066 0 0	2020-21 76,454 0 0	2021-22 61,271 0 0	FUTURE 303,018 0 0	TOTAL 494,475 20,979 1,076
TOTAL REVENUES:	22,055	. 610	2,692	17,364	33,066	76,454	61,271	303,018	516,530
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction .	12,279	2,709	6,820	14,933	28,437	65,750 .	52,693	260,595	1 444,216
Planning and Design ,	1,999	440	1,110	2,431	4,629	10,704	8,578	42,423	72,314
TOTAL EXPENDITURES:	. 14,278	3,149	7,930	17,364	33,066	76,454	61,271	303,018	516,530

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$10,000,000

### SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

DESCRIPTION: Expand the South District Wastewater Plant and Injection wells and Install emergency generators

LOCATION: 8950 SW 232 St
Unincorporated Miami-Dade County

District Located: y District(s) Served:

Systemwide

REVENUE SCHEDULE: Fulure WASD Revenue Bonds	PRIOR 1,745	2016-17 7,053	2017-18 7,724	2018-19 15,623	2019-20 15,167	2020-21 11,393	2021-22 11,500	FUTURE 73,000	TOTAL 143,205
TOTAL REVENUES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,448	5,854	6,411	12,967	12,589	9,456	9,545	60,590	118,860
Planning and Design	297	1,199	1,313	2,656	2,578	1,937	1,955	12,410	24,345
TOTAL EXPENDITURES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205

### WATER TELEMETERING SYSTEM ENHANCEMENTS

PROJECT#: 9656780

DESCRIPTION: Acquire and install a centralized computer system at water treatment plants and wellfields

LOCATION: Systemwide District Located:

Various Sites

District(s) Served:

Systemwide Systemwide

REVENUE SCHEDULE: Water Renewal and Replacement Fund	PRIOR 1,424	2016-17 0	2017-18 300	2018-19 300	2019-20 300	2020-21 300	<b>2021-22</b> 300	FUTURE 300	TOTAL 3,224
TOTAL REVENUES:	1,424	0	300	300	300	300	300	300	3,224
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
.Construction	342	313	138	138	138	138	138	138	1,483
Major Machinery and Equipment	401	368	162	162	162	162	162	162	1,741
TOTAL EXPENDITURES:	743	681	300	300	300	300	300	300	3,224

LOCATION: Systemwide	S REPLACEME oct, and replace un ami-Dade County	and replace undersized water mains to improve fire flows, pressur District Located:					PROJECT #: 200000072 to homes and quality of water Countywide Countywide			
	BRIGR	0040 47	2047 40	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18		•	11,570	12,000	27,732	132,491	
Future WASD Revenue Bonds	6,209	3,378	22,616	29,095	19,891			21,102	22,846	
State Revolving Loan Water Program	4,452	4,426	7,309	3,000	2,500	1,159	. 0	-	•	
WASD Future Funding	Ò	0	O	0	0	0	0	293,927	293,927	
WASD Revenue Bonds Sold	10,194	0	0	0	0	0	0	0	10,194	
Water Renewal and Replacement Fun	602	0	0	0	0	0_	. 0	0	602	
TOTAL REVENUES:	21,457	7,804	29,925	32,095	22,391	12,729	12,000	321,659	460,060	
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
Construction	14,180	13,032	27,830	29,848	20,824	, 11,838	11,160	299,143	427,855	
	1,068	981	2,095	2,247	1,567	891	840	22,516	32,205	
Planning and Design			<del>-</del>							
TOTAL EYDENDITURES:	15.24B	14.013	29.925	32.095	22,391	12,729	12,000	321,659	460,060	

UNFUNDED CAPITAL PROJECTS			(dollars in thousands)
PROJECT NAME WASTEWATER NEEDS ASSESSMENT FOR NEW GRAVITY SEWER PHASE 2 RENEWAL AND REPLACEMENT NEEDS REUSE PROJECTS TO BE ADDRESSED 72INCH RECLAIMED WATER PIPELINE TO TURKEY POINT WATER COMMERCIAL CORRIDOR ECONOMIC DEVELOPMENT- PHASE 2	LOGATION N/A N/A N/A N/A N/A		ESTIMATED PROJECT COST 199,867 162,500 98,000 95,000 279,204
ANY TELY COMMINER/ONCE CONTAINED LA FACTOR METAL A LINEST T		UNFUNDED TOTAL	834,571

Memorandun

Date:

November 30, 2015

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs

Miami-Dade Water and Sewer Department

Subject:

Revision No. 1 to Seven (7) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and

Water Collection, Transmission and Distribution System - Project No. E16-WASD-01

This revision to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department (WASD) and is respectfully submitted for your records.

On September 2, 2016, the attached RTA was approved and filed with the Clerk of the Board. WASD is requesting the following modifications to the RTA listed below:

The following information was revised on pages 1, 2 and 3 on the RTA:

PROJECT NAME:

Three (3) Non-Exclusive Professional Services Agreements (PSA) for Engineering Design and related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$33,000,000

BASE CONTRACT AMOUNT:

\$30,000,000

Three (3) separate PSA at

\$10,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 3,000,000

Contingency Allowance In

accordance with Ordinance 00-65

Is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$33,000,000

As always, we thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachment

#### EXHIBIT E

MIAMI-DADE

Memorandum

Date:

February 12, 2016

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs

Miami-Dade Water and Sewer Department

Subject:

Request to Advertise Revision No. 2 - Project No. E15-WASD-01

Revision No. 2 to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. On November 30, 2015, Revision No. 1 was also filed with the Clerk of the Board, see attached. WASD is requesting additional modifications to the original RTA listed below:

The following information was revised from the original RTA on pages 1, 2 3 and 4.

PROJECT NAME: Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System.

#### PROJECT DESCRIPTION:

Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from six (6) qualified consultants for engineering design and related services for the design of Group A (Ocean Outfall Legislation Projects) large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity. Interceptors; and two (2) qualified consultants to provide engineering design and related services for the design of Group B (Non-Ocean Outfall Legislation Projects) large diameter water pipelines for water transmission and distribution system, related to WASD's capital improvement needs identified in the Multi-Year Capital Improvement Plan.

Proposers are advised that the selected Prime Consultant and Sub-consultants for ISD Project No. E13-WASD-11 titled Owner's Representative for Professional Engineering Services Relating to the State of FlorIda's Ocean Outfall Legislation and Mlami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (6 agreements) of the Internal Services Department's (ISD) Project No. E16-WASD-01 (Ocean Outfall Legislation Project), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the feam for ISD Project No. E13-WASD-11 from participation in Group B (2 agreements), other than those to be applied on a case by case

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 2 of 3

basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-WASD-11 or any contract resulting from this solicitation.

Proposers are advised that the selected Prime Consultant or Sub-consultants that are awarded the contract for ISD Project No. E12-WASD-03 titled Program Management Consultant and Related Services to establish a "Comprehensive Infrastructure Assessment and Replacement Program" for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (2 agreements) of ISD Project No. E15-WASD-01 (Non-Ocean Outfall Legislation Projects), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group B, Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (6 agreements), other than those to be applied on a case by case basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03 or any contract resulting from this solicitation.

# CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$40,000,000

BASE CONTRACT AMOUNT:

\$ 5,000,000

Eight (8) separate PSA at

\$5,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 4,000,000

Confingency Allowance in

accordance with Ordinance 00-65 is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$44,000,000

# MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems;
- The Prime Consultant should demonstrate their successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride (PVC), high density polyethylene (HDPE), concrete pressure pipe, ductile iron, steel and fiberglass (FRP).
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team demonstrate their successful design experience with trenchless technologies including but not limited to Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 3 of 3

start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

DEPARTME	INT SELE	DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:								
COMMITTEE MEMBER AND	YEAR HIRED	GENDER /ETHNICITY	EDUCATION	PROFESSIONAL LICENSES						
Daniel Edwards, P.E. Section Manager	1997	Male/Caucasian	Bachelor of Science Civil Engineering	Professional Engineer						
Planning (Member) Rolando Roque, Senior Professional Engineer (Technical Advisor)	2006	Male/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer						
Elvira Amenta, P.E. Senior Professional Engineer (Member)	2003	Female/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer						
Isaac Smith, Senior Program Manager (Alternate)	1990	Male/Black	Bachelor of Science Mechanical Engineering	Engineer Intern						

As always, thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachments



### **EXHIBIT F**

### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

# LIST OF RESPONDENTS TO THE PROPERTY OF THE PONDENTS TO THE PROPERTY OF THE PRO

ISD Project Name: Engineering Design & Related Services for the Design of Large Diameter Water and Wastewater Pipelines

for the Water & Sewer Department's Wastewater & Water Collection, Transmission & Distribution System

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 1

Prime Name: KEITH AND SCHNARS, P.A.

Trade Name:

Prime Local Preference:

FEIN No.: 591406307

Subs Name

a. CIVIL WORKS, INC.

b. C.H. PEREZ & ASSOCIATES CONSULTING

ENGINEERS, INC.

c. GIT CONSULTING LLC

Subs FEIN No. Trade Name

650673629

550866252

651319891

Submittal No: 2

Prime Name: STANTEC CONSULTING SERVICES, INC.

Trade Name:

Prime Local Preference:

FEIN No.: 112167170

Subs Name

a. ALUCES CORPORATION

b. METCO SERVICES SOUTHEAST, LLC

c. LONGITUDE SURVEYORS, LLC

Trade Name

Subs FEIN No.

471310425

800203267

P (3) S M, LLC

364551726

Prime Local Preference:

FEIN No.: 650792884

Trade Name:

Submittal No: 3

Subs Name

a. BROWN AND CALDWELL (CORPORATION)

b. CH2M HILL, INC.

Prime Name: CES CONSULTANTS, INC.

C. CHEN MOORE AND ASSOCIATES, INC.

Trade Name

Subs FEIN No.

941446346 590918189

CHEN AND ASSOCIATES

592739866

CONSULTING ENGINEERS,

INC

VERTICAL V-SOUTHEAST.

INC, DBA KACO

271979486

651089850

112393559

d. NV5, INC. DBA KACO

e. HADONNE CORP.

f. D&B ENGINEERS AND ARCHITECTS PC

Page 1 of 8



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 4

Prime Name: BLACK & VEATCH CORPORATION

Trade Name:

Prime Local Preference:

Yes

FEIN No.: 431833073

Subs Name a. E SCIENCES, INCORPORATED

b. F.R. ALEMAN AND ASSOCIATES, INC.

c. NUTTING ENGINEERS OF FLORIDA INC

d. BND ENGINEERS, INC.

e. CHEN MOORE AND ASSOCIATES, INC.

f. MAGBE CONSULTING SERVICES, INC.

Trade Name •

Subs FEIN No.

593667002 592751524

591159182 650421519

592739866

CHEN AND ASSOCIATES CONSULTING ENGINEERS,

650679927

Submittal No: 5

Prime Name: CAS ENGINEERING, INC.

Trade Name:

Prime Local Preference:

FEIN No.: 591947578

Subs Name

a. BALJET ENVIRONMENTAL, INC.

b. J BONFILL AND ASSOCIATES INC.

Trade Name

Subs FEIN No.

592485807

650133546

Submittal No: 6

Prime Local Preference:

Yes

Prime Name: A & P CONSULTING TRANSPORTATION ENGINEERS FEIN No.: 650770583

CORP.

Trade Name:

Subs Name

a. 300 ENGINEERING GROUP, P.A.

C. ROBAYNA AND ASSOCIATES, INC.

b. JACOBS ASSOCIATES CORP.

Trade Name

RAFAEL J. BALLESTEROS,

P.E., P.A. - OLD NAME

Subs FEIN No.

562612529

941371792

592119073



LIST OF RESPONDENTS HERE THE RESPONDENT HERE THE RESPON

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 7

Prime Name: WADE TRIM, INC.

Subs Name

Trade Name:

Subs FEIN No.

Prime Local Preference:

FEIN No.: 592417170

Yes

Subs FEIN No.

650607552

223936061

260125061

651089850

261204483

521829252

Trade Name 941371792 a. JACOBS ASSOCIATES CORP. 620794126 b. GRESHAM, SMITH AND PARTNERS 650806421 c, KEITH AND ASSOCIATES, INC. 260571068 d. PREMIERE DESIGN SOLUTIONS, INC.

Trade Name

**KMEC** 

Submittal No: 8

Prime Name: GANNETT FLEMING, INC.

Trade Name:

Prime Local Preference:

FEIN No.: 251613591

Subs Name a. SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. K.M. ENGINEERING CONSULTANTS, INC.

d. HADONNE CORP.

e. THE VAILON GROUP, INC.

f. RUSSELL CORROSION CONSULTANTS,

INC.

Submittal No: 9

Prime Name: BCC ENGINEERING, INC.

Trade Name:

pmer\_dpm\_project\_team

Prime Local Preference:

FEIN No.: 650540100

Subs FEIN No. Trade Name Subs Name

a, CIVIL WORKS, INC.

b. MANUEL G. VERA & ASSOCIATES, INC.

c. GOAL ASSOCIATES, INC.

V04/25/2005

d. MEDIA RELATIONS GROUP, LLC

650673629 591741639 464649215 200118620

Page 3 of 8



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 10

Prime Name: PARSONS WATER & INFRASTRUCTURE INC. FEIN No.: 710920322

Trade Name:

Subs Name
Trade Name
Subs FEIN No.
650421519

Prime Local Preference:

Prime Local Preference:

Prime Local Preference:

FEIN No.: 592064498

FEIN No.: 201391406

Yes

b. LONGITUDE SURVEYORS, LLC P (3) S M, LLC 364551726

c. GEOSOL, INC. 650997886 d. EV SERVICES, INC. 205779421

Submittal No: 11

Prime Name: WOOLPERT, INC.

Trade Name:

Subs Name Trade Name Subs FEIN No. a. CDM SMITH, INC. CAMP DRESSER & MCKEE 042473650

b. THE CORRADINO GROUP, INC. 610713040 650421519

c. BND ENGINEERS, INC.

Submittal No: 12

Prime Name: A.D.A. ENGINEERING, INC.

Trade Name:

Subs Name Trade Name Subs FEIN No.

a. THE CORRADINO GROUP, INC.

b. ARUP USA, INC.

c. HADONNE CORP.

610713040

061539147

651089850



# LIST OF RESPONDENTS BY A LIGHT OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 13

Prime Local Preference:

Yes

Prime Name: CSA CENTRAL, INC.

FEIN No.: 311446286

Trade Name:

Subs Name	Trade Name	Subs FEIN No.
a, RADISE INTERNATIONAL, L.C.		650785837
a, RADISE INTERNATIONAL, LIST	rs PC	112393559
b. D&B ENGINEERS AND ARCHITECT	181 0	462397336
c. SMART-SCIENCES, INC.	11.10	204809301
d. NEW MILLENNIUM ENGINEERING,	ING.	20400001
e. INFINITE SOURCE COMMUNICATION	ONS GROUP, LLC	270403430
	01,0 01,001   ===	472105114
f. ENTECH DESIGN AND PROJECT		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
MANAGEMENT LLC		

Submittal No: 14

Prime Local Preference:

Yes

Prime Name: T.Y. LIN INTERNATIONAL

FEIN No.: 941598707

Trade Name:

Subs Name a. NIFAH AND PARTNERS CONSULTING	Trade Name	<b>Subs FEIN No.</b> 650604266
engineers, Inc. b. F.R. Aleman and Associates, Inc. c. EGSC Engineering Consultants, Inc. d. METCO SERVICES SOUTHEAST, LLC e. AVINO & ASSOCIATES, INC. f. CPM NORTH AMERICA PLLC g. INFINITE SOURCE COMMUNICATIONS GROUP, LLC h. LEGACY DEVELOPERS & ENGINEERS,		592751524 651043053 800203267 650053775 473185079 270403430 463528666
CORP.		



# LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 15

Prime Name: KING ENGINEERING ASSOCIATES, INC.

Trade Name:

FEIN No.: 591782900

Prime Local Preference:

**Subs Name** a. LEITER, PEREZ & ASSOCIATES, INC. b. STAHELI TRENCHLESS CONSULTANTS

c. EASTERN ENGINEERING GROUP COMPANY

d. GEOSOL, INC.

MEDIA RELATIONS GROUP, LLC

Submittal No: 16

Trade Name: JEC ACQUISITION CO.

FEIN No.: 954081636 Prime Name: JACOBS ENGINEERING GROUP, INC.

> Subs Name a. 300 ENGINEERING GROUP, P.A.

b. SRS ENGINEERING, INC.

c. CIVIL WORKS, INC.

d. CARDOZO ENGINEERING, INC.

e. BELLO AND BELLO LAND SURVEYING CORPORATION

f. KEITH AND ASSOCIATES, INC.

g. YOUSSEF HACHEM CONSULTING

ENGINEERING, INC.

h. INFINITE SOURCE COMMUNICATIONS

GROUP, LLC

Subs FEIN No. Trade Name

592746730 460507796 611492162

650997886 200118620

Prime Local Preference:

Subs FEIN No. Trade Name 562612529

RAFAEL J. BALLESTEROS, P.E., P.A. - OLD NAME

650607552 650673629 650956092

134219102

650806421 203225960

270403430



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 17

Prime Local Preference: FEIN No.: 132904652 Prime Name: HAZEN AND SAWYER, P.C.

Trade Name:

Subs Name	Trade Name	Subs FEIN No. 952661922
a. AECOM TECHNICAL SERVICES, INC. F/K/A		002001022
EARTH TECH, INC.	•	471310425
b. ALUCES CORPORATION		650492113
c. EBS ENGINEERING, INC.		
d. LONGITUDE SURVEYORS, LLC	P (3) S M, LLC	364551726
e. ROBAYNA AND ASSOCIATES, INC.		592119073
f GEOSOL INC.		650997886
1 (4E(),3()E, )(V),		

Submittal No: 18

Prime Name: PARSONS BRINCKERHOFF, INC. FEIN No.: 111531569

Trade Name: PB AMERICAS, INC.

Subs Name  a. ALUCES CORPORATION  b. F.R. ALEMAN AND ASSOCIATES, INC. c. NOVA CONSULTING, INC. d. AMBRO, INC. e. MAGBE CONSULTING SERVICES, INC.	Trade Name	Subs FEIN No. 471310425 592751524 650577672 650266641 650679927
6. MAGBE COMOCETING CELLINE		

Prime Local Preference:

Yes



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 19

Prime Name: EAC CONSULTING, INC.

Trade Name:

Trade Name Subs Name

a. SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. ROBAYNA AND ASSOCIATES, INC.

d. BELLO AND BELLO LAND SURVEYING CORPORATION

e. EV SERVICES, INC.

f. ORACLE CONSULTING GROUP, LLC

Submittal No: 20

Prime Name: KIMLEY-HORN AND ASSOCIATES, INC.

Trade Name:

Subs Name a. HDR ENGINEERING, INC.

b. AVINO & ASSOCIATES, INC.

c. CHEN MOORE AND ASSOCIATES, INC.

d. METCO SERVICES SOUTHEAST, LLC

e. HOLT COMMUNICATIONS, INC.

Submittal No: 21

Prime Name: TETRA TECH, INC

Trade Name:

Subs Name

a. 300 ENGINEERING GROUP, P.A.

b. HBC ENGINEERING COMPANY

c. MILLER, LEGG & ASSOCIATES, INC.

d. EV SERVICES, INC.

Subs FEIN No.

Prime Local Preference:

FEIN No.: 650519739

650607552 223936061 592119073 134219102

Yes

205779421 800456242

Prime Local Preference:

FEIN No.: 560885615

Subs FEIN No. Trade Name

> 470680568 650053775 592739866

CHEN AND ASSOCIATES

CONSULTING ENGINEERS,

INC

800203267 161754464

Prime Local Preference: FEIN No.: 954148514

Subs FEIN No. **Trade Name** 562612529

RAFAEL J. BALLESTEROS, P.E., P.A. - OLD NAME

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	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT BENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	A VETTE AND SCHALARS BA II OCA 1 (ARB)	ARE IN AND SECTIONARS FOR THE CONTROL OF THE CONTROL OF THE PROJECT (Max. 50 points)  2A - Qualification of firms including feam members associated to the project (Max. 50 points)  2A - Knowledge and Past Experience of similar type projects (Max. 20 points)  3A - Past Performance of the Firms (Max. 20 points)  4A - Amount of Work Awarded and Paid by the County (Max. 5 points)  5A - Ability of feam members to interface with the County (Max. 5 points)	Ordinal Scores 17  Dropped Ordinal Scores  The Breaker(GSC Ords)-Ordenton 14,20,34,44,54, then Total Qual. Points for 14,24,34,44,54.		2AKnowledge and Past Experience of similar type projects (Max. 20 points)  3A. Past Performence of the Firms (Max. 20 points)  4AAmount of Work Awarded and Paid by the County (Max. 5 points)  5  5AAbility of team members to interface with the County (Max 5 points)	Ordinal Scores  Dropped Ordinal Scores  Tie-Breaker(CSC Ords)-Criterion 14,24,34,44,54, then Total Qual. Points for 14,24,34,44,54  Transpers of the Community

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FIRST - TIER MEETING	JUNE 23, 2016  JUNE 23, 2016  ENGINEERING DESIGN OF LARGE DIAMETER  ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER  WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S  WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM  ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	CSA CENTRAL, INC. (LOCAL) (A&B) NON-COMPLIANT  1A - qualification of firms including team members associated to the project (Max. 50 points)  2A - Knowledge and Past Experience of similar type projects (Max. 20 points)  3A - Past Performance of the Firms 20 points)  4A - Amount of Work Awarded and Parid by the County (Max. 5 points)  5A - Ability of team members to interface with the County (Max 5 points)	Dropped Ordinal Scores  Dropped Qualitative Scores  Tra-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A.	Tie-Breaker [Total Ord., Score-Folal Aurosta, actual Try. LIN INTERNATIONAL (LOCAL) (A&B)  1A - Qualification of firms including team members associated to the project (Max. 50 points)  2A - Nonwiedge and Past Experience of similar type projects (Max. 20 points)  3A - Past Performance of the Firms (Max. 20 points)  4A - Amount of Work Awarded and Paid by the County (Max. 5 points)  5A - Abrilty of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Oualitative Scores  Tre-Breaker(CSC Ords)-Criterion 14,24,34,44,5A, then Total Qual. Points for 14,24,34,44,5A.  Tre-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,24,3A,44,5A.

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FIRST - TIER MEETING	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	15 KING ENGINEERING ASSOCIATES, INC. (LOCAL) (A&B)  14-Qualification of firms Including team members associated to the project (Max. 20 points)  24. Annownedge and vast Experience of smillar type projects (Max. 20 points)  34. Past Performance of the Firms (Max. 20 points)  45. Ability of team members to interface with the County (Max. 5 points)  54. Ability of team members to interface with the County (Max. 5 points)  55. Ability of team members to interface with the County (Max. 5 points)  The Breaker (CSC Ords)-Criterion 14,24,34,44,54, then Total Qual. Points for 14,24,34,45.  The Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,24,34,45.  The Qualification of firms including team members associated to the project (Max. 50 points)  24 Knowledge and Past Experience of similar type projects (Max. 20 points)  34 Past Performance of the Firms (Max. 20 points)  A5 Anount of Work Awarded and Paid by the County (Max. 5 points)  Dropped Ordinal Scores  Dropped Qualitative Scores  Dropped Qualitative Scores  Dropped Qualitative Scores  Dropped Qualitative Scores  Dropped Qualitative Scores  Tra-Breaker(CSC Ords)-Criterion 14,24,34,46,54, then Total Qual. Points for 14,24,34,45,54, then Total Q

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FIRST - TIER MEETING	JUNE 23, 2010  JUNE 24, 2010  JUNE 24, 2010  ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	7 HAZEN AND SAWYER, P.C. (LOCAL) (B) 1A-Qualification of finus including team members associated to the project (Max. 50 points) 2A-Knowledge and Past Experience of similar type projects (Max. 20 points) 3A-Past Performance of the Firms (Max. 20 points) 4A-Amount of Work Awarded and Paid by the County (Max. 5 points) 5A-Ability of team members to Interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores  Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A	Tie-Breaker (Total Ord. Score)-Total Adjusted (Mal. Points, uter) for decided (Mal. Points)  18 PARSONS BRINCKERHOFF, INC. (LOCAL) (B)  14 - Qualification of firms including team members associated to the project (Max. 50 points)  24 - Knowledge and Past Experience of similar type projects (Max. 20 points)  34 - Past Performance of the Firms (Max. 20 points)  45 - Amount of Work Awarded and Paid by the County (Max. 5 points)  56 - Ability of team members to interface with the County (Max. 5 points)  57 - Ability of team members to interface with the County (Max. 5 points)  Tie-Breaker(CSC Ords)-Criterion 1.4.2A,3A,4A,5A, then Total Qual. Points for 14,2A,3A,4A,5A  Tie-Breaker(CSC Ords)-Criterion 1.4.2A,3A,4A,5A, then Total Qual. Points for 14,2A,3A,4A,5A  Tie-Breaker(CSC Ords)-Criterion 1.4.2A,3A,4A,5A, then Total Qual. Points for 14,2A,3A,4A,5A

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FIRST - TIER MEETING	ENGINEERING DESIGN AND RELATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	21 TETRA TECH, INC. (LOCAL) (A&B)	14 - Qualification of firms including trans members associated to the project (Max. 50 points) 2A - Knowledge and Pest Experience of similar type projects (Max. 20 points) 3A - Past Performance of the Firms (Max. 20 points) 4A - Amount of Work Awarded and Paid by the County (Max. 5 points) 5A - Ability of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Oualitative Scores  Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A.  Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A.

### **EXHIBIT H**

### Memorandum



DATE:

July 6, 2016

TO:

Miriam Singer, Sr. Assistant Director

Internal Services Department

FROM:

Gary Hartfield, Division Director

Internal Services Department

Small Business Development

SUBJECT:

Compliance Review

Project No. E15-WASD-01

Engineering Design & Related Services for The Design Of Large Diameter Water & Wastewater

Pipelines for The Water & Sewer Department's Wastewater & Water Collection, Transmission &

Distribution System

Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise (SBE/AE) Program for Architectural and Engineering Services program. The contract measures established for this project is a 20% SBE/AE Subconsultant Goal.

The Professional Services Division of the Internal Services Department has submitted proposals from Keith and Schnars, P.A. #1, Stantec Consulting Services, Inc. #2, CES Consultants, Inc. #3, Black & Veatch Corporation #4, CAS Engineering, Inc. #5, A & P Consulting Transportation Engineers, Corp. #6, Wade Trim, Inc. #7, Gannett Fleming, Inc. #8, BCC Engineering, Inc. #9, Parsons Water & Infrastructure Inc., #10, Woolpert, Inc. #11, A.D.A. Engineering, Inc. #12, CSA Central, Inc. #13, T.Y. Lin International, #14, King Engineering Associates, Inc. #15, Jacobs Engineering Group, Inc. #16, Hazen And Sawyer, P.C. #17, Parsons Brinckerhoff, Inc. #18, EAC Consulting, Inc. #19, Kimley-Horn And Associates, Inc. #20, and Tetra Tech, Inc. #21 for compliance review. Following is the pre-award compliance status and summary.

### STATUS:

	- to to the Think	Compliant
1,	Keith and Schnars, P.A.	Compliant
2.	Stantec Consulting Services, Inc.	Compliant
	CES Consultants, Inc.	Compliant
4.	Black & Veatoh Corporation	Compliant
5.	CAS Engineering, Inc.	Compliant
6.	A & P Consulting Transportation Engineers, Corp.	Complaint
7.	Wade Trim, Inc.	Compliant
	Gannett Fleming, Inc.	Compliant
9,	BCC Engineering, Inc.	Compliant
	Parsons Water & Infrastructure Inc.	Compliant
11.	. Woolpert, Inc.	Compliant
	A.D.A. Engineering, Inc.	Non-Compliant
13	, CSA Central, Inc.	Compliant
14	T.Y. Lin International	Compliant
15	King Engineering Associates, Inc.	Compliant
16	. Jacobs Engineering Group, Inc.	Compliant
17	. Hazen and Sawyer, P.C.	Compliant
18	Parsons Brinckerhoff, Inc.	Compliant
19	. EAC Consulting, Inc.	Compliant
20	. Kimley-Horn and Associates, Inc.	Complaint
21	. Tetra Tech, Inc.	

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### SUMMARY:

Keith and Schnars, P.A. #1, submitted the required Letters of Agreement (LOAs) committing to utilize the following certified SBE/AE firms: C.H. Perez & Associates Consulting Engineers, Inc. to provide (TC) categories 15.01 (Surveying & Mapping-Land Surveying) at 4%, 16.00 (General Clvil Engineering) at 2% and 17.00 (Engineering Construction Management) at 4%, Civil Works, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) at 10%, and GIT Consulting LLC. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) at 5% for a total of 25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the Information listed.

Keith and Schnars, P.A. has satisfied the contract's 20% SBE/AE sub-consultant goal, and is in compliance with the Small Business measures established for this contract.

Stantec Consulting Services, Inc. #2, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Metoo Services Southeast, LLC. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 15%, and Longitude Surveyors, LLC. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Stantec Consulting Services, Inc. has satisfied the contract's 20% SBE/AB sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CES Consultants, Inc. #3, a certified SBE/AE firm, submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CES Consultants, Inc. has satisfied the contracts 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Black & Veatch Corporation #4, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7%, F.R. Aleman And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 3%, and BND Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 14% for a total of 24% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Black & Veatch Corporation has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CAS Engineering, Inc. #5, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Baljet Environmental, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, and J. Bonfill and Associates Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 10% for a total of 20% in satisfaction

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of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CAS Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A & P Consulting Transportation Engineers, Corp. #6, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying), and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A & P Consulting Transportation Engineers, Corp. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Wade Trim, Inc. #7, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Keith and Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 11%, Premiere Design Solutions, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 17.00 (Engineering Construction Management) at 9%, for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Wade Trim, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Gannett Fleming, Inc. #8, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Hadonne Corp. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, K.M. Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 17%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10% for a total of 35% in satisfaction of the 20% SBE/AE subconsultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Gannett Fleming, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

BCC Engineering, Inc. #9, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Manuel G. Vera & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 10%, and Civil Works, Inc. to provide 16.00 (General Civil Engineering) at 10% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

BCC Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

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Parsons Water & Infrastructure Inc. #10, submitted the required LOAs committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 18.5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 3% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing -Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 3% for a total of 24.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Water & Infrastructure Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Woolpert, Inc. #11, submitted the required LOA committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Woolpert, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A.D.A. Engineering, Inc. #12, a certified SBE/AE firm submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A.D.A. Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CSA Central, Inc. #13, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Radise International, L.C. to provide TC's 9.02 (Geotechnical & Materials Engineering Services) at 8%, and Smart-Sciences, Inc. to provide 10.00 (Environmental Engineering) at 5% for a total of 13%. CSA Central, Inc. also submitted an LOA committing to utilize Infinite Source Communications Group, LLC to provide public involvement services at 7%. Infinite Source Communications Group, LLC is not a certified SBE/AE firm and cannot be utilized to meet any portion of the 20% SBE/AE goal. Implementing Order 3-32 "The utilization of a non-certified SBE-A/E and proposals that do not meet the specified goal" constitute non-compliance with the Implementing Order. CSA Central, Inc. is noncompliant to the Small Business measures established for this contract.

T.Y. Lin International #14, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Avino & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering ) at 5%, EGSC Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, F.R. Aleman and Associates, Inc. to provide 16.00 (General Civil Engineering) at 5%, Legacy Developers & Engineers Corp. to provide 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 3%, Metco Services South East, LLC to provide 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 5%, and Nifah and Partners Consulting Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General 119 Mirlam Singer

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Civil Engineering) at 5% for a total of 28% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

T.Y. Lin International has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

King Engineering Associates, Inc. #15, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Leiter Perez & Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 15.01 (Surveying & Mapping-Land Surveying), 15.03 (Surveying & Mapping – Underground Utility Location), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 19%, Eastern Engineering Group Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 11.00 (General Structural Engineering), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 1% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services), 9.02 (Geotechnical & Materials Engineering Services) and 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) at 1% for a total of 21% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

King Engineering Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Jacobs Engineering Group, Inc. #16, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Youssef Hachem Consulting Engineering, Inc. to provide TC's 16.00 (General Civil Engineering) at 1%, Keith And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 1%, Bello & Bello Land Surveying Corporation to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, Civil Works, Inc. to provide 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 12.5% and 300 Engineering Group P.A. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% for a total of 41.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Jacobs Engineering Group, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Hazen And Sawyer, P.C. #17, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Aluces Corporation to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, EBS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 2.25%, Robayna and Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 10.05 (Environmental Engineering — Contamination Assessment & Monitoring) and 16.00 (General Civil Engineering) at 2.25% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing — Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 0.5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

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Hazen And Sawyer, P.C. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Parsons Brinckerhoff, Inc., #18, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Nova Consulting, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 15%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, F.R. Aleman and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% and Ambro, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5% for a total of 35% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Brinckerhoff, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

EAC Consulting, Inc. #19, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Bello and Bello Land Surveying Corporation to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 1.25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7% and SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 15% for a total of 27.25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

EAC Consulting, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Kimley-Horn And Associates, Inc. #20, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, Metco Services Southeast, LLC to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, and Avino & Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Kimley-Horn And Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Tetra Tech, Inc. #21, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 22.5%, Miller, Legg & Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), 17.00 (Engineering Construction Management) and 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Miriam Singer

E15-WASD-01 Page 7 July 6, 2016

Engineering) and 17.00 (Engineering Construction Management) at 6% for a total of 32.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Although Tetra Tech, Inc. also committed to utilize EV Services, Inc. to provide public involvement services at 1%, EV Services, Inc. is not certified as an SBE/AE firm and cannot be utilized to meet the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead-A/E firm and sub-consultant in agreement with the information listed.

Tetra Tech, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

SBD has verified that none of the aforementioned firms are listed on the Goal Deficit Make-Up Report as of July 1, 2016. Also, a review of the History of Violations Report as of July 1, 2016 indicates that none of the aforementioned firms have an open violation.

Please note that SBD staff reviewed and addressed compliance with the SBE/AE program. The Professional Services Division of the Internal Services Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar Suarez at (305) 375-3141.

c: Curt Williams, ISD
Julie Whiteside, ISD
File

### **EXHIBIT I**

### Memorandum



Date:

July 19, 2016

To:

Lester Sola, Director

Miami-Dade Water and Sewer Department

Through:

Mirlam Singer, CPPO, Sr. Assistant/Director

Internal Services Department

From:

Julie Whiteside, A&E Consultant Selection Coordinator

Chairperson, Competitive Selection Committee

Subject:

NEGOTIATION AUTHORIZATION

Miami-Dade Water and Sewer Department

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group

B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and

Distribution System

ISD Project No. E15-WASD-01

In accordance with the guidelines published in the Notice to Professional Consultants, the Competitive Selection Committee has completed the evaluation of the proposals submitted in response to the above-referenced Internal Services Department solicitation.

ISD Project No.: E15-WASD-01

Project Title: Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

Scope of Services Summary: This project consists of utility design, including planning, and permitting assistance during construction for system upgrades to large water and sewer pipelines. The projects could be for the rehabilitation or replacement, or for new large diameter pipeline facilities.

Participation Restrictions: The Prime Consultant and Sub-consultants that were awarded the contract for ISD Project No. E13-WASD-11: Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Miami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (Ocean Outfall Legislation Projects). This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (Non-Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis in

Negotiation Authorization Miami-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 2

accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-WASD-11, or any contract resulting from this solicitation.

The Prime Consultant or Sub-consultants that were awarded the contract for ISD Project No. E12-WASD-03: Program Management Consultant and Related Services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (Non-Ocean Outfall Legislation Projects). This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis, in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03, or any contract resulting from this solicitation.

See the attached list of precluded firms for Group A and Group B.

Experience and Qualifications:

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate its successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate its successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the consultant team demonstrate its successful design experience with trenchless technologies, including but not limited to, Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating, new or upgraded water transmission pipeline and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects that the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Sub-consultants shall provide a description of at least one (1) project that is relevant to this scope of work specific to their proposed responsibilities. The descriptions shall

Negotiation Authorization Miami-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 3

include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Sub-consultant firm, the project's achievements, and client reference and contact information.

Term and Estimated Cost of Contract: Six (6) consultant/team of firms will be retained under six (6) separate non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects), and two (2) consultant/team of firms will be retained under two (2) separate non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects). Professional Services Agreements will have an effective term of six (6) years. The estimated cost of each agreement is \$5,500,000, inclusive of contingencies.

Small Business Development Goal/Measure: On February 1, 2016, the Internal Services Department's Small Business Development Division established a 20% utilization goal for Small Business Enterprise Architectural and Engineering firms applicable to this solicitation.

Request to Advertise Stamped by the Clerk of the Board: September 2, 2015; Revision Number 1 - November 30, 2016; and Revision Number 2 - February 12, 2016.

Number of Proposals Received: Twenty-One (21) proposals.

Name of Proposer(s): Please refer to the attached List of Respondents.

Small Business Development Compliance Review: Please refer to the attached Compliance Review Memorandum, dated July 6, 2016.

First Tier Results: See attached First Tier Tabulation Sheet.

Second Tier Results: Not applicable. Based on the Competitive Selection Committee's professional expertise the information provided in the proposals was deemed sufficient to determine the qualifications of the teams. As a result and by a majority vote, the Competitive Selection Committee decided to forego Second Tier proceedings.

Request for Appointment of Negotiation Committee: Pursuant to Section 2-10.4 (6) of the Code of Mlami-Dade County, the Internal Services Department hereby requests the County Mayor or his designee approve the following Negotiation Committee, for the purpose of negotiating six (6) non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects) and two (2) non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects, respectively, with the highest ranked firms who qualify for such Group(s). In the event that a committee member is unable to attend a negotiation meeting, the negotiation committee may proceed with negotiations without that member.

- Julie Whiteside, Architectural and Engineering Consultant Selection Coordinator, Non-Voting Chairperson, Internal Services Department
- Daniel Edwards, Section Manager, Water and Sewer Department
- Isaac Smith, Senior Program Manager, Water and Sewer Department
- Jaquelyn Llano, Senior Professional Engineer, Regulatory and Economic Resources Department

Request for Authorization to Enter Negotiations: Pursuant to Section 2-10.4 (6) of the Code of Miami-Dade County, it is hereby requested that the County Mayor or his designee approve

Negotiation Authorization Miami-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 4

the selection of the following firms for negotiations, in the Competitive Selection Committee's recommended order of preference. See below:

### RANKING OF RESPONDENTS SELECTION FOR PROFESSIONAL SERVICES AGREEMENT NEGOTIATION EIGHT (8) AGREEMENTS WITH 20% SMALL BUSINESS ENTERPRISE - ARCHITECTURAL AND ENGINEERING GOAL (EACH)

### GROUP "A"

A&P Consulting Transportation Engineers Corp.

Eligibility: Group A & B Adjusted Qualitative Points - 276 Adjusted Ordinal Score - 12 Final Ranking - 1

Black & Veatch Corporation

Eligibility: Group A & B Adjusted Qualitative Points – 268 Adjusted Ordinal Score – 15 Final Ranking – 2

Kimley-Horn and Associates, Inc.

Eligibility: Group A & B
Adjusted Qualitative Points – 278
Adjusted Ordinal Score – 19
Final Ranking – 3

Stantec Consulting Services, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 276 Adjusted Ordinal Score – 21 Final Ranking – 4

Jacobs Engineering Group, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 272 Adjusted Ordinal Score – 23 Final Ranking – 5

Wade Trim, inc.

Eligibility: Group A & B Adjusted Qualitative Points – 275 Adjusted Ordinal Score – 25 Final Ranking – 6

The following teams will serve as alternates for Group "A":

**Tetra Tech, Inc.**Eligibility: Group A & B
Adjusted Qualitative Points – 264
Adjusted Ordinal Score – 26
Final Ranking – 9

Negotiation Authorization Miaml-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 5

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 265 Adjusted Ordinal Score – 31 Final Ranking – 11

Parsons Water & Infrastructure, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 259 Adjusted Ordinal Score – 34 Final Ranking – 14

### GROUP "B"

EAC Consulting, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 25 Final Ranking – 7

Parsons Brinkerhoff, Inc.

Eligibility: Group B Adjusted Qualitative Points – 269 Adjusted Ordinal Score – 26 Final Ranking – 8

The following teams will serve as alternates for Group "B":

Tetra Tech, Inc.

Eligibility: Group A & B Adjusted Qualitative Points - 264 Adjusted Ordinal Score - 26 Final Ranking - 9

CES Consultants, Inc.

Eligibility: Group B Adjusted Qualitative Points - 263 Adjusted Ordinal Score - 29 Final Ranking - 10

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 265 Adjusted Ordinal Score – 31 Final Ranking – 11

Pursuant to the Cone of Silence legislation included in the Conflict of Interest and Code of Ethics Ordinance, and Section 2-11.1 of the County Code, the County Mayor or his designee will report to the Board of County Commissioners any of the following instances:

When negotiations do not commence, or other affirmative action is not taken, within 30

### **EXHIBIT J**

## Small Business Development A&E Firm History Report

From: 08/25/2013 To: 08/25/2016

PRIMES

A NAME: STANTEC CONSULTING SERVICES, INC. 901 Ponce De Leon Blvd, Suite 900 Coraí Gables, FL 33134-0000

Colai Gantes, i. L. 33 137-333						
CONI	CONTRACT DE	DEPT.	MEASURES	AWARD DATE	AWARD	
				05/12/2014	\$199.760.00	
-WS-S-198	1 WS	တ				
PIPELINE IMPROVEMENTS						
				ļ		
					\$199,760.00	
-WASD-03	3 WS		GOAL CBE 40%	07/15/2014	\$3,300,000,00	
NON-EXCLUSIVE PROFESSIONAL SERVICES AGREEMENT FOR DESIGN SERVICES FOR THE IMPLEMENTATION OF A PUMP STATION IMPROVEMENT PROGRAM	- FOR DESIGNON IMPROVE	MENT				
					\$3,300,000.00	
2-AV-S-EF533CL	1 AV	>	NO MEASURE	08/21/2014	\$160,000.00	
TAMIAMI HANGARS 102 & 109 COMMISSIONING						
					\$160,000.00	
0. piv. sp. 2004.1350	<i>ب</i> ۔ ب	Μď		05/04/2015	\$4,000.00	
SW 284 ROADWAY IMPROVEMENTS						
			٠		\$4,000.00	
4-MDAD-03	~	۸۷	GOAL CBE 25%	12/01/2015	\$2,305,500.00	
FUELING SYSTEMS CONSULTING SERVICES AT MIA AND GAA'S	GAA'S					

Indicates closed or expired contracts
 Disclaimer: Payments shown may not reflect current information

128

riday, August 26, 2016

Page 1

Ver: 1

DBDR0212\_E v.20150827

\$2,305,500.00

# Small Business Development A&E Firm History Report

To: 08/25/2016

PRIMES

From: 08/25/2013

STANTEC CONSULTING SERVICES, INC. 901 Ponce De Leon Blvd, Suite 900

1 NAME:

JECT#

AWARD AMOUNT AWARD DATE \$5,969,260.00 MEASURES DEPT. CONTRACT Coral Gables, FL 33134-0000

Total Change Orders Approved by BCC

Total Award Amount

\$0.00

Page 2

\* Indicates closed or expired contracts
Disclaimer: Payments shown may not reflect current Information

Fridav. August 26, 2016

DBDR0212\_E v.20150827

Ver: 1

### **EXHIBIT K**



### Capital Improvements Information System Contractor Evaluations Report (All Contracts)

Dept Contract
WS EDP-WS-SR-177

<u>Type</u> EDP  
 Contractor / Architect Name
 Date
 Rater

 STANTEC CONSULTING SERVICES, INC.
 6/12/2013 Lin Li

<u>Perlod</u>

Completion of study or design

<u>Rate</u>

3.8

Evaluation Count: 1 Contractors: 1 Average Evaluation: 3.8

EXIT



Date:

December 9, 2016

2016 DEC 12 AM 10: 56

To:

Honorable Carlos A. Gimenez

Mayor

From:

Lester Sola, Director

Water and Sewer Department

Subject:

Recommendation approving award of a Non-Exclusive Professional Services Agreement to Black & Veatch Corporation for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects) — Project No. E15-WASD-01; Contract No.

16BVC004

### **RECOMMENDATION:**

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee approve the attached Non-Exclusive Professional Services Agreement to Black & Veatch Corporation for engineering design and related services for the design of large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors. Group A (Ocean Outfall Legislation Projects) — Project No: E15-WASD-01; Contract No: 16BVC004. The total compensation amount is \$5,500,000 with a total contract term of six (6) years. For this Project, Miami-Dade County intends to retain six (6) qualified firms under six (6) separate Professional Services Agreements. This contract award recommendation was prepared by WASD.

### **DELEGATION OF AUTHORITY:**

Pursuant to the provisions of Section 2-8.2.12 of the Miami-Dade County Code, the County Mayor or County Mayor's designee will have the authority to execute, amend and terminate the Agreement and to resolve disputes. Additionally, pursuant to the provisions of Sections 2-8.2.12 (4)(d) and (e) of the Code, the County Mayor or County Mayor's designee will have the authority to amend and/or extend the Agreement to complete any unfinished work, waive liquidated damages, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount.

### PROJECT NAME:

Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects)

### PROJECT DESCRIPTION:

Black & Veatch Corporation will provide engineering services for utility design, including planning and permitting assistance during construction for system upgrades to large sewer pipelines. The scope of services consists of complete design services, which includes, but is not limited to: performance of preliminary route analysis; site investigations; surveying; maintenance of traffic plans; hydraulic analysis; coordination with other utilities; coordination with other municipalities and the public; preparation of design reports; preparation of drawings and contract specifications; preparation of design-build criteria packages; assistance during the permitting and procurement phases; and engineering support during construction. Engineering support during construction is anticipated to include, but is not limited to: periodic site inspections; attendance at meetings; review of shop drawings; responding to requests for

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 2

information; reviewing claims and potential change orders; reviewing contract schedules and schedule of values; and reviewing as-built drawings. Project coordination services are anticipated to include, but are not limited to: establishing a plan to implement projects; establishing and tracking project schedules, budgets and deadlines; preparing status reports; and attending meetings as requested.

PROJECT LOCATION:

Throughout Miami-Dade County

PRIMARY COMMISSION DISTRICT:

Various Commission Districts

### APPROVAL PATH:

Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12 of the Code of Miami-Dade County.

MANAGING DEPARTMENT:

Miami-Dade Water and Sewer Department

SMALL BUSINESS DEVELOPMENT (SBD):

REVIEW DATE:

08/10/2015

SIGNOFF DATE:

08/13/2015

RESUBMITTAL DATE:

11/25/2015

SIGNOFF DATE:

11/25/2015

01/29/2016

02/01/2016

SBD ASSIGNED CONTRACT MEASURES: See attached Exhibit "A", "Project Worksheets".

TYPE	GOAL	COMMENT
SBE-A/E	20.00%	Implementing Order 3-32
SBE-Goods and Services	N/A	Implementing Order 3-41

### PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

Type	Code	Description
Prime	6.01	Water Distribution and Sanitary Sewer Systems – Water Distribution and Sanitary Sewer Collection and Transmission Systems
Prime	17.00	Engineering Construction Management
Other	15.01	Surveying and Mapping – Land Surveying
Other	16.00	General Civil Engineering

### SUBCONSULTANTS:

The chart below indicates the list of Subconsultants that will be utilized under this Agreement and which of those Subconsultants are being used to meet the Small Business Enterprise measures as indicated above. See attached Exhibit "B", "Letters of Agreement".

SUBCONSULTANT	GOAL	SERVICES
BND Engineers, Inc.	14%	Pipeline Design; Pipeline Materials; Trenchless Technologies for Pipeline Rehab; Trenchless Pipeline – Installation Technologies; Maintenance of Traffic; Utility Coordination; Regulatory Requirements and Permitting; General Civil Engineering; Local Hydrogeological Conditions; and Construction Inspections and Administration
Chen Moore and Associates, Inc.	7%	Pipeline Design; Pipeline Materials; Trenchless Technologies for Pipeline Rehab; Trenchless

		Pipeline – Installation Technologies; Maintenance of Traffic; Utility Coordination; Regulatory Requirements and Permitting; General Civil Engineering; Local Hydrogeological Conditions; and Construction Inspections and Administration
E Sciences, Incorporated	N/A	Regulatory Requirements and Permitting; Local Hydrogeological Conditions; and Wetland Delineation/Habitat Evaluations
F.R. Aleman and Associates, Inc.	3%	Maintenance of Traffic; Utility Coordination; Regulatory Requirements and Permitting; Surveying and Mapping – Land Surveying; General Civil Engineering; and Construction Inspections and Administration
Nutting Engineers of Florida Inc	N/A	Geotechnical and Materials testing

APPLICABLE WAGES (RESOLUTION No. R-54-10):

Nο

MANDATORY CLEARING HOUSE:

Νo

### FISCAL IMPACT / FUNDING SOURCE:

Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund.

### CAPITAL BUDGET PROJECT # - DESCRIPTION:

See attached Exhibit "C", "Capital Budget Information".

PTP FUNDING:

No

GOB FUNDING:

No

ARRA FUNDING:

No

**SUSTAINABLE BUILDINGS ORDINANCE:** (Ord. 07-65): This project does not qualify for compliance with the Sustainable Buildings Ordinance.

TOTAL CONTRACT PERIOD:

Six (6) years

IG FEE INCLUDED IN BASE CONTRACT: Yes

**ART IN PUBLIC PLACES:** 

No

BASE CONTRACT AMOUNT:

\$5,000,000

**CONTINGENCY ALLOWANCE** 

IN ACCORDANCE WITH

**ORDINANCE 00-65:** 

\$ 500,000

TOTAL CONTRACT AMOUNT:

\$5,500,000

SEA LEVEL RISE (ORD. NO. 14-79): The impact of sea level rise will be considered as part of the design.

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 4

### TRACK RECORD / MONITOR: None

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD Procurement Guidelines to determine responsibility, including verifying corporate status and performance and compliance data. The lists that were reviewed include: convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to Black & Veatch Corporation's responsibility. This information is being provided pursuant to Resolution R-187-12.

### **EXPLANATION:**

On September 2, 2015, a Notice to Professional Consultants was issued under full and open competition for seven (7) separate Non-Exclusive Professional Services Agreements with a total compensation amount of \$5,000,000 each. On November 30, 2015, Request to Advertise (RTA) Revision No. 1 was filed with the Clerk of the Board to modify the total amount of Professional Services Agreements from seven (7) to three (3) with a total compensation amount of \$10,000,000. See attached Exhibit "D", "RTA Revision No. 1". After receiving industry feedback, WASD revisited the scope of services and minimum experience and qualifications and filed RTA Revision No. 2 on February 12, 2016, with the Clerk of the Board. RTA Revision No. 2 increased the amount of Professional Services Agreements from three (3) to eight (8) with a total compensation amount of \$5,000,000. See attached Exhibit "E", "RTA Revision No. 2". On March 11, 2016, the Clerk of the Board received twenty-one (21) proposals in response to this solicitation. See attached Exhibit "F", "List of Respondents".

### FIRST-TIER MEETING:

At the First-Tier "Evaluation of Qualifications" meeting held on June 23, 2016, the Competitive Selection Committee reviewed and ranked the twenty-one (21) proposals. The Competitive Selection Committee evaluated and ranked the firms in the order listed below. See attached Exhibit "G", "First-Tier Tabulation Sheet".

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
A&P Consulting	460	1	12	1
Transportation Engineers Corp.	276	·		
Black and Veatch	451	4	15	2
Corporation	268			
Kimley-Horn Associates,	457	1	19	3
Inc.	278			_
Stantec Consulting Services	443	1	21	4
Inc.	276			
Jacobs Engineering Group,	450	2	23	'5
Inc.	272			
Wade Trim, Inc.	446	3	25	6
	275	<u> </u>	<u> </u>	
EAC Consulting, Inc.	443	5	25	7
	264			
Parsons Brinkerhoff, Inc.	445	3 .	26	8
	269			
Tetra Tech, Inc.	446	5	26	9
	264			

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
CES Consultants, Inc.	438 263	5	29	10
King Engineering Associates, Inc.	442 265	4	31	11
Gannett Fleming, Inc.	439 262	6	34	12
Hazen and Sawyer, P.C.	438 261	6	34	13
Parsons Water and Infrastructure, Inc.	434 259	7	34	14
Keith and Schnars, P.A.	433 258	16	35	15
T.Y. Lin International	428 253	8	39	. 16
BCC Engineering, Inc.	425 259	7	45	17
Woolpert, Inc.	426 254	7	46	18
A.D.A. Engineering, Inc.	425 252	9	47	19
CAS Engineering, Inc.	412 247	10	55	20
CSA Central, Inc.	399 239	10	60	N/A

The Competitive Selection Committee by majority vote decided not to hold a Second-Tier (Oral Presentation) meeting and recommended the following firms listed below to the County Mayor or County Mayor's designee for approval to negotiate a contract:

Group A (Ocean Outfall Legislation Projects)

- 1. A&P Consulting Transportation Engineers Corp.
- 2. Black and Veatch Corporation
- 3. Kimley-Horn Associates, Inc.
- 4. Stantec Consulting Services Inc.
- 5. Jacobs Engineering Group, Inc.
- 6. Wade Trim, Inc.

Group B (Non-Ocean Outfall Legislation Projects)

- 7. EAC Consulting, Inc.
- 8. Parsons Brinkerhoff, Inc.

On July 6, 2016, SBD completed its review for compliance with SBE measures as noted above and determined that twenty (20) firms were in compliance with the exception of CSA Central, Inc. See attached Exhibit "H", "SBD Compliance Review".

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 6

The Negotiation Committee was approved by the County Mayor's designee on July 27, 2016. See attached Exhibit "I", "Negotiation Authorization". On August 11, 2016, the Negotiation Committee met and concluded negotiations with Black & Veatch Corporation.

SUBMITTAL DATE: March 11, 2016

ESTIMATED NOTICE TO PROCEED: December 30, 2016

A/E COMPANY: Black & Veatch Corporation

PRINCIPAL/COMPANY QUALIFIER: Rafael Frias EMAIL ADDRESS: FriasRE@bv.com

COMPANY ADDRESS: 9100 South Dadeland Boulevard, Suite 1500

Miami, Florida 33156

YEARS IN BUSINESS: 18 Years

### PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm History Report provided by the Internal Services Department, Division of Small Business Development, Black & Veatch Corporation, has been awarded three (3) contracts with Miami-Dade County with a total contract value of \$850,000.00. See attached Exhibit "J", "Firm History Report".

Based on the Internal Services Department's CIIS database, Black & Veatch Corporation has thirty-three (33) evaluations with an average 3.9 rating out of a possible total 4.0 points. See attached Exhibit "K", "Contractor Evaluations Report".

### MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipelines transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting and construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team should demonstrate their successful design experience with trenchless technologies, including but not limited to micro-tunneling and horizontal directional drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 7

on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

CONTRACT MANAGER NAME/PHONE/EMAIL: Patty Palomo/786-552-8040/

Patty.Palomo@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: Victor Fernandez-Cuervo/786-268-5310/

Victor, Fernandez-Cuervo@miamidade.gov

### BACKGROUND:

The Request to Advertise and the two Revisions to the Request to Advertise identified both water and wastewater projects that needed to be completed. WASD will be recommending a total of eight (8) firms under eight (8) separate professional services agreements. Six firms will work on large diameter sewer pipelines for Ocean Outfall legislation projects, and two (2) firms will on work on large diameter water pipelines for non-Ocean Outfall legislation projects. This Agreement with Black & Veatch Corporation is one of the six agreements that will be issued for wastewater projects.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has developed a Multi-Year Capital Improvement Program (CIP) to upgrade its infrastructure system throughout the County in order to renew and replace its existing deteriorated system and to ensure efficient, reliable water and wastewater systems throughout the County in order to accommodate future growth and development. WASD recognizes the need for design services for large pipeline design and implementation of critical projects which are an integral part of the CIP.

JENNIFER MOON OMB DIRECTOR 12/2/10

Approved as to legal sufficiency:

SUME EXAMPLE DOWNS

ASSISTANT COUNTY ATTORNEY

MATE BUIG

12.9.16

LESTER SOLA ON BEHALF OF

COUNTY MAYOR GARLOS GIMENEZ

DATE



### Small Business Development Division

Project Worksheet

Project/Contract Title:

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR

THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND

WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

Project/Contract No:

B15-WASD-01

Funding Sources WASD REVENUE BONDS

Received Date:

Resubmittal Date(s): .08/03/2015

11/25/2015

Department:

WATER AND SEWER

01/29/2016

Estimated Cost of Project/Bid: \$44,000,000.00

SOLD

Description of Project/Bid:

To establish a confract seeking three (3) engineering tirms to provide engineering derign and colated survices for the design of targe dlamoter and wastewater pipelfuca for WASD's wastewater and water collection, transmission and distribution system.

	Measure Goal No Measure	Program SBE/AE SBE/GS	Goal Percent 20,00%	Stay . S. V. January 1881. P. J.
This man wife I be	creases the number arreaments to be estable	institut for Recomminentiallic lished from (3) to (8) and incre	eses the overall contract amount	from \$11 million to \$44

million.

BIS-WASD-01 will establish eight (8) agreements at \$5.5 million each, a 10% confingency allowance included,

SMALL BUSINESS ENTERPRISE - ARCHITECTURAL & ENGINBERING (SBE/AB)

An analysis of the factors contained in the project package, as well as the factors contained in Section V. B. 2. C. of Implementing Order 3-32 and the responses of certified SBE/AB funs to the Verification of Availability to Propose process indicates that a 20% SBE/AB Sub-Consultant Goal is responses of certified SBE/AB funs to the Verification of Availability to propose letters were sent to the SBE/AB funs certified in the technical contegories below.

There (A) are now first the content of Availability to propose letters were sent to the SBE/AB funs certified in the technical contegories below. Three (3) or more firms did not respond to Verification of Availability process as being able to satisfy the contract's requirements.

SMALL BUSINESS ENTERPRISE - GOODS & SERVICES (SBE/GS)

An analysis of Implementing Order 3-41 & Ordinance 14-41, so well us the project package indicates a No Measure appropriate to the SBE/GS portion of this contract.

Commodity Code: 91812-Analytical Studies And Surveys (Consulting)

Technical Calegory: 0601-W & 5 Sewer Sys-Water Dist & Santiary Sewage Coll; 1501-Surveying And Mapping-Land Surveying; 1600-General Civil Engineering, 1700-Engineering Construction Management

The state of the s	at Mansury I	lkegninendatibu 🤫 - "		
Subtrade W & S SEWER SYS-WATER DIST & SANITARY SEWAGE	Cat, see/ae	Estimated Value \$3,080,000,00	to Hase Bld 7,00%	Availability
COLL SURVEYING AND MAPPING-LAND SURVEYING GENERAL CIVIL ENGINEEDING ENGINEERING CONSTRUCTION MANAGEMENT	986/AE 886/AE 886/AE	\$2,200,000.00 \$2,200,000.00 \$1,320,000.00	5.00% 5,00% 3.00%	k.
	SBU/GS Cotal	\$8,800,000.00	20,00%	

Living Wagost	YES	МО	X
Responsible Wages:	YES [	ON	$\mathbf{x}$

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal find. For federally finded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Dayle Bacon and Responsible Wages and Benefits shall apply.



### Small Business Development Division

Project Worksheet

Project/Contract Title:

Project/Contract No:

Departments

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR

THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

EL5-WASD-01

WATER AND SEWER

Eunding Source: WASD REVENUE BONDS

SOLD

. Resubmittel Date(s): 08/03/2015

Received Date:

01/29/2016

11/25/2015

Estimated Cost of Project/Bid: S	644,000,000,000	PECOMMENDATION :	
Tier 1 Set Aside			
Set Aside	Level 1	Level 2	Loyel 3
'Irado Set Aside (MCC)		····································	Bld Preference
No Measure		Deferred	2/1/16
CWF			BD Director Date

### **EXHIBIT B**



## Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

THISISECTION MU	STREECOMPL		KOBOSEKIDESKERREIUHDERREIKER	
From: Black & Veatch Corporation				i
Nan	of Prime Pi	coposer/Design-	Builder	
Small Business Enterprise – Architectur percentage, if awarded the contract. Tof the projected work assignment(s) to	ral & Engineer The undersigne to be performe undersigned co	ing (SBE-A/E) firm ad further certifies of upon execution consents to be boun	the undersigned hereby agrees in listed below, performing the stated we that the firm has been contacted and prof the contract with Miami-Dade Country all the Provisions of the SBE-Good	ork at the stated operly apprised by. Further, by
Titalio of 110poods BBB 188 1 Mil.	· · · · · · ·			
Name of Certified SBE-A/E  *Prime/Sub  (SBE-A/E meeting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Calegories)	Percentage Amount of Design Fee
BND Engineers, Inc.	292.	3/31/2018	6.01, 17.00, 16.00	14%
Proposer's / Design Builder Signature  COMPLETE TAISS  I certify that the representations contains	Propose	FOR DESIGN/BUI	r's Name/Title (Print) (Dat	<del></del>
Lead A/E Firm Signature	Le	ad A/E Firm Nam	e/Title (Print) (Da	te)
THIS SECTION MUST	BE-COMPLETE	D:BY:THE:SBE:AV	ESUBCONSULTANT	
The undersigned has reasonably uncor	multted capac a services, the oposal specific	ity sufficient to prability to provide ations.	HITECTURAL & ENGINEERING Provide the required services, all licenses such services consistent with normal induction and the large services are services consistent with normal induction and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and large services are services and licenses are services are services and licenses are services are services and licenses are services are services are services and licenses are services are services are services.	and technical
BASIL S WILL IAM.	·-			• .
SBE-A/E Subconsultant Name (I BND ENGINEERS 7 Name of SBE-A/EFirm			Title	
	List of Cerlified Fi	rms; <u>http://www.miamid</u> e	ide.goy/business/reports-certification-lists.asp	
	SBD's Website; litt	p://www.iniamidade.gov/	smallbusiness/	,

Small Business Development Division - Internal Services Department



## Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

-	Black & Veatch Corporation	DS( HE COMPL	ETEN BY EKIME K	KOLD2EKIDE2IGI4-BOII	DEN STATE OF STREET	
From;		ne of Prime P	roposer / Design-	Builder		
Small Bu percentag of the pro- signing the Ordinance	nse to Miami-Dade County's liness Enterprise — Architecture, if awarded the contract. ojected work assignment(s) this Letter of Agreement the No. 01-103 as amended.	aral & Engineer The undersigne to be performe undersigned co	ing (SBE-A/E) fined further certifies dupon execution onsents to be boun	n listed below, performithat the firm has been of the contract with Midd by all the Provisions of	ng the stated we contacted and pr ami-Dade Coun	ork at the stated roperly apprised ty. Further, by
N	ame of Certified SBB-A/E *Prime/Sub BB-A/E meoting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Perfon Certification Cate		Percentage Amount of Design Fee
Chen	Moore and Associates, Inc.	4424.	3/31/2018	6.01, 17.00,	16.00	7%
I certify	that the representations conta	ained in this for		f my knowledge frue and		te)
Lead A/	/E Firm Signature		SECTION IN THE PART DESCRIPTION OF THE PART OF THE PAR			<del></del>
The under certification and the ab	THIS SECTION MUSTER  NOW LEDGMENT BY TI  reigned has reasonably unco one necessary to provide such ility to otherwise meet the pro-  3-A/F Sinb consultant Signatur  fred a growne	HE PROPOSI minitted capac In services, the oposal specific	ED SBE – ARCE ity sufficient to provide ations. $\frac{7}{3}$	nvide the required servi	CINEERING L	FIRM and technical
SBI	B-A/B Subconsultant Name (I	Print)	-	Title		
L UM Nan	EN GOUGLE AND A: ne of SBE-A/B Firm	1500 VARALLY IN	L	. •		
		List of Certified Fi	rius: <u>lythy://www.lufamid</u> i 	<u>mallbusiness/</u>	ip <u>n-lists.asp</u>	

Small Business Development Division - Internal Services Department



## Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

		THISISECTION MU	STREECOMPLE	TED BY PRIME P	ROPOSER/DESIGN/BUILDER				
)	From;	Black & Veatch Corporation				•			
·	Name of Prime Proposer / Design-Builder								
Sn pe of sig	nall Bus reentage the pro gning ti rdinance	siness Enterprise – Architectu e, if awarded the contract. T siected work assignment(s) to	ral & Engineeri The undersigne to be performed undersigned co	ng (SBE-A/E) firm d further certifies i upon execution unsents to be boun	the undersigned hereby agreen listed below, performing the stated with the firm has been contacted and pof the contract with Miami-Dade Could by all the Provisions of the SBE-Gound.	ork at the stated properly apprised at the state of the s			
· [		ame of Certiffed SBE-A/E *Prime/Sub BB-A/B meeting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Perfonned (Technical Certification Categories)	Percentage Amount of Design Fee			
	FR A	leman and Associates, Inc.	15285	05/31/2016	15.01, 16.00	3,0%			
2	Propose	r's I Design Builder Signature	Brent M Propose	. Reuss, PE   Vice P 's / Design-Builde	er's Name/Title (Print) (D	2016 ate)			
	I certify		ined in this for		f my knowledge true and accurate	Oate)			
·			······································	· · · · · · · · · · · · · · · · · · ·		<u>.,</u>			
		THIS SECTION MUST	BE COMPLETE	D BY THE SEE AY	ESUBGONSULTANT				
ce	re unde rtificati	rsigned has reasonably unco	mmitted capac It services, the	ity sufficient to p ability to provide	HITECTURAL & ENGINEERING rovide the required services, all licens such services consistent with normal in	es and technical			
_	GD	E-A/B/Subconsultant Signatur	19.	<u> 3/7/</u>	//(p Date				
57_		A. Aleman, P.E.		Pres <b>i</b> de	nt				
,1,		E-A/E Subconsultant Name (I	Print)		Title				
F		leman & Associates, ne of SBE-A/E Firm		rnis: <u>http://www.miamld</u>	ade gov/business/reports-certification-lists.asp				
			SBD's Website: <u>ht</u> t	p://www.miamidade.gov.	/smallbusiness/				

Small Business Development Division — Internal Services Department

### **EXHIBIT C**

### FY 2016 - 17 Proposed Budget and Multi-Year Capital Plan

UPGRADE OF M!AMI SPRINGS PEDESCRIPTION: Upgrade elect LOCATION: Various Sites Various Sites	UMP STATIONS rical control panels		proprietary SÇ Distri		(GOB)	PROJE 6 Syslemwk		7730	
REVENUE SCHEDULE:	PRIOR	2016-17	2017 <del>-</del> 18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
BBC GOB Financing	20	40	111	100	0	0	, 0	0	271
BBC GOB Series 2008B-1	559	0	0	/ o	0	. 0	0	0	. 559
BBC GOB Series 2011A	8	0	0	0	. 0	0	0	0	8
TOTAL REVENUES:	587	40	111	100	0	0	0	6 	838
EXPENDITURE SCHEDULE:	PRIOR	2016-17 40	2017-18 111	2018-19 100	° 2019-20 0	2020-21 0	2021-22 0	FUTURE O	TOTAL 838
Construction	587	· 40	111	100	. 0	0		0	838
TOTAL EXPENDITURES:	001	40 .			U				000
WASTEWATER COMMERCIAL CO						PROJE	CT#: 96	8090	
LOCATION: Various Sites	wer service to com	•	Distri	lct Located:	•	TBD TBD			
i hroughout M	laml-Dade County		חזפונו	icl(s) Served:	, ,	ממו			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds .	0	561	882	435	5,364	5,859	3,000	134,493	150,594
WASD Revenue Bonds Sold	3,319	0	0	0	0	0	0	0	3,319
TOTAL REVENUES:	3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	2,656	、 <del>44</del> 9	706	348	4,291	4,887	2,400	107,594	123,131
Land Acquisition/Improvements	132	22	36	17	215	234	120	5,380	6,155
Planning and Design	531	90	141	. 70	858	938	480	21,519	24,627
TOTAL EXPENDITURES:	. 3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
	. ,		•	•					
						BB0 /F	ortic no	0450	•
WASTEWATER COLLECTION AND				وراد دیا دیا دارد	u_ llu a_ fa aaw	PROJE		8150 ,	
DESCRIPTION: Design, constru LOCATION: Various Sites	uct, and rehabilitat	e collection a		on inicastructui et Located:	re illies to coll	ipiy wiliti EFA Countywic		166	
	aml-Dade County			ct(s) Served:		Countywic			
, , , , , , , , , , , , , , , , , , , ,						•			
					1		,	,	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	78,223	7,223	54,200	42,277	20,770	15,024	15,273	136,984	369,974
WASD Revenue Bonds Sold	42,645	٠ 0	0	0	G	0	, 0	, 0	42,645
Wastewater Connection Charges	16,489	4,964	0	0	0	0	0	, D	21,453
Wastewater Renewal Fund	8,082	0	0	0	0	. 0	0	420.004	8,082
TOTAL REVENUES:	145,439	12,187	54,200	42,277	20,770	15,024	15,273	136,984	442,154
EXPENDITURE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	92,876	47,411	48,238	37,627	18,485	. 13,371 1,052	13,593 1,069	121,916 9,589	393,517 . 30,950
Major Machinery and Equipment	7,304 4,175	3,729 2,131	3,794 2,168	2,959 1,891 /	1,454 831	1,062 601	1,069 611	9,569 5,478	วบ <sub>เ</sub> อมูน 17,687
Planning and Design	4,170	4, (3)	Z <sub>1</sub> 100	י ופטוי		ועט	011	υιτιυ	

15,024

15,273

136,984

442,154

54,200

53,271

104,355

TOTAL EXPENDITURES:

42,277

20,770

### FY 2016 - 17 Proposed Budget and Multi-Year Capital Plan

DESCRIPTION: Replace and									
LOCATION: Various Sites Various Sites	\$		Distri	District Located: District(s) Served:		Systemwide Systemwide			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTÁI
WASD Revenue Bonds Sold	1,438	0	0	0	0	0	0	0	1,43
Wastewater Renewal Fund	10,933	0	3,000	3,000	3,000	3,000	3,000	3,000	28,93
TOTAL REVENUES:	12,371	0	3,000	3,000	3,000	3,000	3,000	3,000	30,37
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,37
TOTAL EXPENDITURES:	9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,37

MIAMI SPRINGS CONSTRUCTION F DESCRIPTION: Construct wastev LOCATION: Miami Springs Miami Springs			Distr	ami Springs lot Located; iot(s) Served;		PROJI 6 6				
REVENUE SCHEDULE: Miami Springs Wastewater Construction Fund	PRIOR 1,326	2016-17 · 0	<b>2017-18</b> 0	2018-19 . 0	2019-20 0	2020-21	2021-22 0	FUTURE 0	TOTAL 1,326	
TOTAL REVENUES:	1,326	0	. 0	. 0	0	0	0	0	1,326	
EXPENDITURE SCHEDULE: Construction	PRIOR 866	2016-17 148	2017-18 312	2018-19 0	2019-20 0	2020-21	2021-22 0	FUTURE 0	TOTAL 1,326	
TOTAL EXPENDITURES:	866	148	312	0	, 0	0	0	0	1,326	

WATER TREATMENT PLANTS MISO DESCRIPTION: Upgrade water free LOCATION: Water Treatment		PROJECT #; 9610960 Systemwide							
Various Sites	) Idilia			ct Located; cl(s) Served;		Systemwi			
•									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,500	8,032	7,366	127	Ū	0	. 0	18,025
WASD Revenue Bonds Sold	2,934	· O	0	0	0	0	0	0	2,934
Water Construction Fund	344	0	0	0	0	0	0	0	344
Water Renewal and Replacement Fund	335	0	0	0	. 0	0	0	0	. 335
TOTAL REVENUES:	3,613	2,500	B,032	7,366	127	0	0	0	21,638
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3,578	2,475	7,952	7,292	125	0	0	0	21,422
Planning and Design	35	25	. 80	74	2	0	0	0	216
TOTAL EXPENDITURES;	3,613	2,500	8,032	7,366	127	0	0	0	21,638

GRAVITY SEWER RENOVATIONS		ا ماد ا	16.4			PROJE	CT#: 96	50201	
DESCRIPTION: Rehabilitate grav LOCATION; Systemwide	illy sewers to re	duce infiltratio		ct Located;		Systemwk	le ·		
· Various Siles		·		ct(s) Served:		Systemwic			
		•				•	•		•
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Future WASD Revenue Bonds WASD Revenue Bonds Sold	3,670 5,153	1,376 0	1,258 · 0	1,050 0	650 0	350 0	224 0	0 '	8,57 5,15
TOTAL REVENUES:	8,823	1,376	1,258	1,050	650	350	224	0	13,73
EXPENDITURE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	'TOTA
Construction	8,381	1,307	1,195	998 .	618	<b>33</b> 3 .	213	0	. 13,04
Plenning and Design	442	69	63	. 52	32	17	,11,	. 0	68
TOTAL EXPENDITURES:	8,823	1,376	1,258	1,050	650	350	224	0.	13,73
•			-						•
SANITARY SEWER SYSTEM IMPRO	WEMENTS					PROJE	CT#: 96	50221	
DESCRIPTION; Construct sanitar districts		ı İmprovemen	ls using funds	from the speci	al constructio		,		
LOCATION: Systemwide				ct Located:		Systemwic			
Various Sites	•	•	Dlatr	ct(s) Served:	•	Systemwic	le		
•	,		•		-	•			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Wastewater Special Construction Fund	50,380	0	0	0	0	0	0	0	50,38
OTAL REVENUES:	50,380	0	0	0	0	0	0	0	50,38
XPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Construction	5,288	2,500	2,500	2,500	2,500	2,500	32,592	0	50,38
OTAL EXPENDITURES:	5,288	2,500	2,500	2,500	2,500	. 2,500	32,592	. 0	50,38
					,				
ENTRAL MIAMI-DADE WASTEWAT	red toanga	NA MOISSIX	INS AND PI	OITATS GMI	N	PROJE	CT# 96	50241	
IPROVEMENTS	IEN HARON		, , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1 11002	o. ,,, o,	V2211	
DESCRIPTION: Construct a force					W 37 Ave to	SW 10 Ave, a	nd a force m	ain	
	1 to the Central			ent Plant ct Located:		Systemwic	In		
	A I I Di-		1.03000						
LOCATION: Wastewater Syste	em - Central Dis	SITICE AIRE							
	em - Central Dis	SITICE AITER		ct(s) Served:		Systemwic			
LOCATION: Wastewater Syste	em - Central Dis	EPIK JONIO						٠.	
LOCATION: Wastewater System City of Mlami  EVENUE SCHEDULE:	PRIOR	2016-17	Distri 2017-18	ci(s) Served:	2019-20	Systemwic 2020-21	2021-22	FUTURE	TOTA
LOCATION: Wastewater System City of Mlami  EVENUE SCHEDULE:  uture WASD Revenue Bonds	PRIOR 1,132	2016-17 7,127	Distri 2017-18 17,360	cl(s) Served: : : : : : : : : : : : : : : : : : :	18,583	Systemwic 2020-21 19,421	2021-22 13,430	55,255	149,75
LOCATION: Wastewater System City of Miami  EVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding	PRIOR 1,132 0	2016-17 7,127 0	Distri 2017-18 17,360 0	ci(s) Served: : : : : : : : : : : : : : : : : : :	18,583 0	Systemwic 2020-21 19,421 0	2021-22 13,430 0	55,255 828	149,75 82
LOCATION: Wastewater System City of Mlami  EVENUE SCHEDULE:  Future WASD Revenue Bonds  VASD Future Funding VASD Revenue Bonds Sold _	PRIOR 1,132 0 6,505	2016-17 7,127 0 0	Distri 2017-18 17,360 0	ct(s) Served: 2018-19 17,450 0	18,583 0 0	Systemwic 2020-21 19,421 0 0	2021-22 13,430 0 0	55,255 828 0	149,75 82 6,50
LOCATION: Wastewater Syste City of Mlami  EVENUE SCHEDULE: Future WASD Revenue Bonds WASD Ruture Funding WASD Revenue Bonds Sold Vastewater Connection Charges	PRIOR 1,132 0 6,505 13,352	2016-17 7,127 0 0 6,132	2017-18 17,360 0 0 4,000	2018-19 2018-19 17,450 0 0 5,000	18,583 0 0 5,000	Systemwic 2020-21 19,421 0 0 7,000	2021-22 13,430 0 0 7,000	55,255 828 0 17,732	149,75 82 6,50 65,21
LOCATION: Wastewater Syste City of Mlami  EVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold _ Wastewater Connection Charges  EDTAL REVENUES:	PRIOR 1,132 0 6,505 13,352 20,989	2016-17 7,127 0 0 6,132	2017-18 17,360 0 0 4,000 21,360	2018-19 17,450 0 0 5,000 22,450	18,583 0 0 5,000 23,583	2020-21 19,421 0 0 7,000 26,421	2021-22 13,430 0 0 7,000 20,430	55,255 828 0 17,732 73,815	149,75 82 6,50 65,21 <b>222,3</b> 0
LOCATION: Wastewater Syste City of Mlami  EVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold Wastewater Connection Charges OTAL REVENUES:  KPENDITURE SCHEDULE:	PRIOR 1,132 0 6,505 13,352 20,989 PRIOR	2016-17 7,127 0 0 6,132 13,259 2016-17	2017-18 17,360 0 0 4,000 21,360 2017-18	2018-19 17,450 0 5,000 22,450 2018-19	18,583 0 0 5,000 23,583 2019-20	2020-21 19,421 0 0 7,000 26,421 2020-21	2021-22 13,430 0 7,000 20,430 2021-22	55,255 828 0 17,732 73,815 FUTURE	149,75 82 6,50 65,21 222,30 TOTA
LOCATION: Wastewater Syste	PRIOR 1,132 0 6,505 13,352 20,989	2016-17 7,127 0 0 6,132	2017-18 17,360 0 0 4,000 21,360	2018-19 17,450 0 0 5,000 22,450	18,583 0 0 5,000 23,583	2020-21 19,421 0 0 7,000 26,421	2021-22 13,430 0 0 7,000 20,430	55,255 828 0 17,732 73,815	149,75

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$2,253,000

WATER GENERAL MAINTENANCE DESCRIPTION: Construct registres in the construct registres in the construct registres in the construction of the constr	onal general maint		rs, office facilli Distri	ties, and stora ct Located: ct(s) Served:	ge warehouse:	. Systemwide Systemwide			•
REVENUE SCHEDULE; Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,335	<b>2016-17</b> 8,520 0	2017-18 11,759 0	2018-19 11,192 0	2019-20 5,637 0	2020-21 18,040 0	2021-22 349 0	FUTURE 0 0	TOTAL 55,497 1,335
TOTAL REVENUES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	58,832
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR 1,201 134	2016-17 7,668 852	2017-18 10,583 1,176	2018-19 10,073 1,119	2019-20 5,073 564	2020-21 16,236 1,804	2021 <b>-</b> 22 314 35	FUTURE 0 0	TOTAL 51,148 5,684
TOTAL EXPENDITURES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,832

	ASTEWATER EQUIPMENT AND VEHICLES  DESCRIPTION: Acquire vehicles, equipment, and associated wastewater system capital support materials							50301		
DESCRIPTION: LOCATION:	Acquire vehicles, Systemwide Various Sites	, equipment, and	1 associated v	Distri	stem capital si ct Located: ct(s) Served:	ірроп ітацелаг	s Systemwia Systemwia		•	
•.										,
REVENUE SCHEDULE	1	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
WASD Revenue Bonds	: Sold	552	0	0	0	0	0	0	. 0	562
Wastewater Renewal F	und	41,380	12,436	11,500	11,500	11,500	11,500	11,500	11,500	122,818
TOTAL REVENUES:	ı	41,932	12,436	11,500	11,500	11,500	11,500	11,500	11,500	123,368
EXPENDITURE SCHED	ULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Major Machinery and E		35,875	18,493	11,500	11,500	11,500	11,500	11,500	11,500	123,368
TOTAL EXPENDITURE		35,875	18,493	11,500	11,500	11,500	11,500	11,500	11,500	123,368

	TEM MAINTENA Meintain and dev Systemwide Varibus Sites			Distri	structures, and ot Located; ot(s) Served:	l equipment	PROJE Systemwic Systemwic	le	50361	,
REVENUE SCHEDULE:		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
WASD Revenue Bonds	Sold	3,188	0	. 0	0	0	0	0	0	3,188
Westewater Renewal Fi	und	38,387	18,428	20,000	20,000	20,000	20,000	20,000	20,000	176,815
TOTAL REVENUES:		41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003
EXPENDITURE SCHED	ULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003
TOTAL EXPENDITURES	S;	41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003

LIFT STATION UPGRADES AND ST DESCRIPTION: Repair, replace,	TRUCTURAL N				er system	PROJE	CT#: 96	50371	,
LOCATION: Systemwide . Various Sites			Distr	lct Located: lct(s) Served;		Systemwid Systemwid		•	
REVENUE SCHEDULE; Fulure WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 650 2,009	2016-17 2,500 0	2017-18 3,058 0	2018-19 4,500 0	2019-20 4,049 0	<b>2020-21</b> 4,500 0	<b>2021-22</b> 4,172 0	FUTURE 29,000 0	TOTAL 52,428 2,009
Wastewater Renewal Fund	6,344	ō	2,000	2,000	2,000	2,000	2,000	2,000	18,344
TOTAL REVENUES:	9,003	2,500	5,058	6,500	6,049	6,500	6,172	31,000	72,782
EXPENDITURE SCHEDULE: Construction	PRIOR 6,798	2016-17 1,946	2017-18 3,844	2018-19 4,940	2019-20 4,597	2020 <b>-</b> 21 4,940	2021-22 4,690	FUTURE 23,560	TOTAL 55,315
Land Acquisition/Improvements	1,251	358	708	910	847	910	864	4,340	10,188
Planning and Design	894	256	506	650	605	650	618	3,100	7,279
TOTAL EXPENDITURES;	B,943	2,560	5,058	6,500	6,049	6,500	6,172	31,000	<b>72,</b> 782
Estimated Annual Operating	impact will begin	in FY 2018-1	9 in the amou	nt of \$5,000,0	00				
Illiano Mail Eventidolo						DDO IE	:ሮፒ#. ሰው	51051	
WATER MAIN EXTENSIONS  DESCRIPTION: Construct water	main extensions	funded from	the special co	astruction fun	d Including er	PROJE pecial taxing di		01001	
LOCATION: Systemwide	HIGHT eyrerretorie	INCIDENTION		ict Located:	ո, ուսաստոց օբ	Systemwk			
Various Sites			Distr	lct(s) Served:		Systemwi			
	,	•							•
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Water Special Construction Fund	7,087	595	1,000	1,000	1,000	2,000	2,000	- O	14,682
TOTAL REVENUES:	7,087	595	1,000	1,000	1,000	2,000	2,000	0	14,682
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE 0	TOTAL: 14,682
Construction	6,182	1,500	1,000	1,000	1,000	2,000	2,000		14,682
TOTAL EXPENDITURES:	6,182	1,500	1,000	1,000	1,000	2,000	2,000	U	14,002
•									
SOUTH DISTRICT WASTEWATER TIMPROVEMENTS	RANSMISSIO	N MAINS A	ND PUMP S	STATIONS		PRÓJE	CT#: 96	51061	
DESCRIPTION: Construct plping	Improvements to	o nump statio	n number 536	and force ma	In upgrade in	SW117 Ave			•
LOCATION: Wastewater Sys	tem - South Dist	ict Area		ict Located:	[5	Systemwic	l <del>e</del>		
Various Sites	•		Distri	icl(s) Served:		Systemwic	je,		
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
REVENUE SCREDULE: Future WASD Revenue Bonds	1,962	8,212	18,269	23,917	28,324	23,162	17,911	160.934	282,691
WASD Future Funding	0	0.	0	0	Ç	0	,,,,	24,390	24,390
WASD Revenue Bonds Sold	1,360	0	0	0	0	0	0	0	1,360
TOTAL REVENUES:	3,322	8,212	18,269	23,917	28,324	23,162	17,911	185,324	308,441
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	2,724	6,734	14,981	19,612	23,226	18,993	14,687	151,966	252,923
Planning and Design	598	1,478	3,2B8	4,305	5,098	. 4,169	3,224	33,358	55 <sub>1</sub> 518
TOTAL EXPENDITURES:	3,322	8,212	18,269	23,917	28,324	23,162	17,911	185,324	308,441

					<del></del>					
	PUMP STATION IMPROVEMENTS P			•	•		PROJE	CT#: 96	51071	
	DESCRIPTION: Upgrade pump s		ide to meet fo	recasted dem	nands					•
	LOCATION: Systemwide				lct Located:		Systemwle			
	Various Sites			Distr	lct(s) Served;		Systemwi	de		
	•				,					
	REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	Future WASD Revenue Bonds	46,205	12,545	27,085	27,972	4,611	4,536	4,536	166,312	293,802
	WASD Revenue Bonds Sold	13 <sub>1</sub> 450	. 0	0	0	. 0	0	, 0	0	13,450
•	Wastewater Connection Charges	13,000	11,300	7,000	8,056	. 0	0	. 0	. 0	39,356
	TOTAL REVENUES:	72,655	23,845	34,085	36,028	4,611	4,536	4,536	166,312	346,608
	EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	Construction	61,197	29,174	30,716	31,620	11,394	4,082	4,082	. 149,681	311,946
	Land Acquisition/Improvements	568	324	342	352	127	46	· 46	1,663	3,468
	Major Machinery and Equipment	569	324	341	351	126	45	45	1,663	3,464
	Planning and Design	4,551	2,593	2,731	2,811	1,013	363	363	13,305	27,730
ı	TOTAL EXPENDITURES:	56,885	32,415	34,130	35,134	12,660	4,536	4,536	166,312	346,608
		•	.,	. ,			,			
					•					
	DULE OF CHION OF MEDITODO AND	n Wiedel I Al	NEONO (IM	204556			PROJE	:cT#• 66	52002	
	PUMP STATION GENERATORS AND DESCRIPTION: Install emergence				maradon at wa	atountor nun		ילו זייי פע	MYONY.	
٠	DESCRIPTION: Install emergency LOCATION: Systemwide	à Bettetéroia ett	o coustiner in		ict Located;	serowarer ban	Systemwi	de		•
	LOGATION: Systemwide Various Sites				rct(s) Served:	-	Systemwi			
	Validus Oites		•	Didi	lotion college		- <b>y</b> - (-   (   (   (   (   (   (   (   (			
	DEVENUE DOUBDIS E.	י מסוממ	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	REVENUE SCHEDULE:	PRIOR 1,754	3,675	7,194	16,024	13,806	49,735 -		351	104,419
	Future WASD Revenue Bonds	649	0107D	7,134	10,024	. 10,000	· 0		. 0	649
	WASD Revenue Bonds Sold				16,024	13,806	49,735	11,880	351	105,068
	TOTAL REVENUES:	2,403	3,675	7,194	-	-	•			
	EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE 288	TOTAL 86,155
	Construction	1,969	3,014	5,899	13,139	11,321 414	40,783 1,492	9,742 356	10	3,162
	Major Machinery and Equipment	73 361	i 110 551	- 216 <sup>,</sup> 1,079	481 2,704	2,071	7,460	1,782	53	15,761
	Planning and Design				<del>-</del>			11,880	351	105,068
	TOTAL EXPENDITURES:	2,403	3,675	7,194	16,024	13,806	49,735	11,000	201	100,000
	•			•			•	•		
	,	•	` ,					•		
	WASTEWATER TREATMENT PLANT						PROJE	CT#: 96	52061	
	DESCRIPTION: Upgrade wastewa	ater treatment p	lants to meat				•			
	LOCATION: Wastewater Treat	tment Plants	-		ict Located:		Systemwi			
	Varlous Sites			Distr	lct(s) Served:		Systemwi	de		•
	,									
				•						
	REVENUE SCHEDULE:	PRIOR	2016-17	2017-1B	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	Future WASD Revenue Bonds	. 0	619	68 <u>9</u>	289.	3,793	160	907	, 0	6,457
	WASD Future Funding	0	0	, 0	0	Q	0	0	6,593	6,593
	WASD Revenue Bonds Sold	. 1,250	. 0	0	0	0.	0	0	. 0	1,250
	TOTAL REVENUES:	1,250	619	689	289	3,793	160	907	6,593	14,300
	EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	Construction	1,175	582	648	272 `	3,566	150	852	6,198	13,443
	Planning and Design	75	37	41	17	227	10	55	395	867
		,	646	200	100	0.700	400	007	. a Ena	44 200

619

75 1,250

TOTAL EXPENDITURES:

689



160

3,793

289

907

6,593

14,300

NORTH MIAMI-DADE WASTEWA' IMPROVEMENTS DESCRIPTION: 'Improve pump	stations to increas	,	Ubliky	•	PROJE				
LOCATION; Wastewater S Varlous Sites	ystem North Distr	lot Area		lct Located: lct(s) Served:		Systemwl Systemwl			
ruman pinan			2134	(0) 00,700	•	•		•	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	2,848	6,843	20,257	21,429°	, 22,363	33,306	45,823	357,640	510,609
WASD Future Funding	0	0	Ò	Ö	0	. 0	0	599,197	599,197
WASD Revenue Bonds Sold	447	0	0	Ó	0	0	0	0	447
Wastewater Connection Charges	727	1,080	1,068	2,781	4,696	0	. 0	O	10,352
TOTAL REVENUES:	4,122	. 7,923	21,325	24,210	27,059	33,306	45,823	956,837	1,120,605
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3,421	6,576	17,699	20,094	22,459	27,644	38,033	794,175	930,101
Planning and Design	701	1,347	3,626	4,116	4,600	5,662	7,790	162,662	190,504
. TOTAL EXPENDITURES:	4,122	7,923	21,325	24,210	27,059	33,306	45,823	956,837	1,120,605
Estimated Annual Operatin		In FY 2017-1	8 in the amou	nt of \$2,330,0	00				
WASTEWATER TELEMETERING DESCRIPTION: Install a comp LOCATION: Systemwide	SYSTEM uter system to mon	Itor and contr		flows and pre	esures at vari	PROJE lous pump sta Systemwi	tions ·	52481	

•								•	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	700	579	Q	0	0	0	0	0	1,279
WASD Revenue Bonds Sold	1,376	0	0	Q	0	, 0	0	0	1,376
Wastewater Renewal Fund	2,432	. D	500	500	500	500	500	500	5,432
TOTAL REVENUES:	4,508	579	500	500	500	500	500	500	8,087
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3,227	1,860	500	500	500	500	500	500	8,087
TOTAL EXPENDITURES:	3,227	1,860	500	500	500	500	500	500	8,087

Estimated Annual Operating Impact will begin in FY 2017-18 in the amount of \$10,000

SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT AND WELLFIELD	

PROJECT #: 9652821

DESCRIPTION: Construct water treatment plant, weilfields, and various water transmission mains in south Miami-Dade County

LOCATION: 118

11800 SW 208 St

District Located:

unty

Unincorporated Miami-Dade County

District(s) Served:

Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18 -	2018-19	2019-20	2020-21	2021 <b>-22</b>	FUTURE	TOTAL
Future WASD Revenue Bonds	16,546	1,500	18,726	13,533	11,211	21,371	54,543	124;156	261,586
WASD Revenue Bonds Sold	17,457	0	0	0	0	0	0	0	17,457
TOTAL REVENUES:	34,003	1,500 .	18,726	13,533	11,211	21,371	54,543	124,156	279,043
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	14,036	18,627	17,228	12,450	10,314	19,661	50,179	114,223	256,718
Planning and Design	1,220	1,620	1,498	1,083	897	1,710	4,364	9,933	22,325
TOTAL EXPENDITURES;	15,256	20,247	18,726	13,533	11,211	21,371	54,543	124,156	279,043

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$20,000,000



WASTEWATER GENERAL MAINT DESCRIPTION: Construct and/ LOCATION: Systemwide Various Sites	FENANCE AND or renovate region 	OFFICE FA	htenance cer Distri	nters, offlice fac of Located; of(s) Served:	allities, and sto	PROJE prage Warehot Syslemwid Syslemwid	ises le	53201	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	PRIOR 139 0 1,320	. 2016-17 2,927 0 0	2017-18 7,451 0 0	2018-19 12,265 0 0	2019-20 13,208 0 0	2020-21 12,654 . 0	2021-22 . 8,184 0 0	FUTURE 31,000 72,031	TOTAL 87,828 72,031 1,320
TOTAL REVENUES: EXPENDITURE SCHEDULE:	1,459 PRIOR 1,328	2,927 2016-17 2,663	7,451 2017-18 . 6,780	12,265 2018-19 11,161	13,208 2019-20 12,019	12,654 .2020-21 11,515	8,184 2021-22 7,448	103,031 FUTURE 93,758	161,179 TOTÅL 146,672
Construction Land Acquisition/Improvements Planning and Design	. 44 87	88 176	224 447	368 736	396 793	380 759	245 491	3,091 6,182	4,836 9,671
TOTAL EXPENDITURES:	1,459	2,927	7,451	12,265	13,208	12,654	<sub>.</sub> 8,184	103,031	161,179
WASTEWATER TREATMENT PLA DESCRIPTION: Renovate and LOCATION: Systemwide Various Sites	NTS REPLACE replacé wastewate		ant (acilitles a Distri		within plantsi	PROJE ites Systemwic Systemwic	le	53261	
								•	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	PRIOR 608 0 774	2016-17 608 0	2017-18 608 0 0	2018-19 3,526 0 0	2019-20 . 0 0 0	2020-21 0 0 0	2021-22 0 0 0	FUTURE 0 51,650	TOTAL 5,350 51,650 774
Wastewater Renewal Fund TOTAL REVENUES:	37,985 39,367	11,704	7,000 <b>7,</b> 608	7,000 10,526	7,000 <b>7,</b> 000	7;000 7,000	7,000 7,00 <b>0</b>	7,000 58,650	91,689 149,463
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR 36,191 1,905	2016-17 12,904 679 13,583	2017-18 7,228 ''380 7,608	2018-19 10,000 526 10,526	2019-20 6,650 350 7,000	2020-21 6,650 350 7,000	2021-22 6,650 350 7,000	FUTURE 55,718 2,932 56,650	TOTAL, 141,991 7,472 149,463
TOTAL EXPENDITURES:	38,096	10,000	1,000	10,020	, <sup>յ</sup> ննն	ממסל )	1,000	. 00,000	,
SANITARY SEWER SYSTEM EXTER DESCRIPTION: Extend sewer so LOCATION: Systemwide Various Siles	ENSION Pystem Ifnes to Incl	: ude the existi	Distric	wer needs as of Located; of(s) Served:	sessment	PROJE Systemwic Systemwic	fe .	53281	•
REVENUE SCHEDULE; Future WASD Revenue Bonds WASD Future Funding	PRIOR 2,113 0	<b>2916-17</b> 2,660 0	2017-18 2,113 0	2018-19 4,113 0	2019-20 3,038 0	2020-21 0 0	2021-22 0 0	FUTURE 0 190,133	TOTAL 14,037 190,133
WASD Revenue Bonds Sold Wastewater Renewal Fund	11,991 10,735	0 7,704	0 1,500	0 1,500	0 1,500	0 1,500	0 1,500	0 1,500	27,439
TOTAL REVENUES: EXPENDITURE SCHEDULE:	24,839 PRIOR	10,364 2016-17	3,613 2017-18	5,613 2018-19	4,538 2019-20	1,500 2020-21	1,500 2021 <b>-2</b> 2	191,633 FUTURE	243,600 TOTAL
Construction Planning and Design TOTAL EXPENDITURES:	23,899 .739 24,638	10,248 317 10,565	3,505 108 3,613	5,445 168 5,613	4,402 136 4,538	1,455 45 1,500	1,455 45 1,500	185,884 5,749 191,633	236,293 7,307 243,600

WATER DISTRIBUTION SYSTEM EX  DESCRIPTION: Install various wate  LOCATION: Systemwide  Various Sites			ributlon systen Olstri	1 ct Located; ct(s) Served;		PROJE Systemwk Systemwk	ie .	53311	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Fulure WASD Revenue Bonds	16,943	11,830	57,909 0	22,867	9,466 0	10,000 0	12,500 0	32,080 0	173,595 25,094
WASD Revenue Bonds Sold Water Connection Charges	25,094 22,606	0 5,521	0 3,590	0 0	0	0	0	0	31,717
Water Renewal and Replacement Fund	32,566	0	3,500	3,500	3,500	3,500	3,500	3,500	53,566
TOTAL REVENUES:	97,209	17,351	64,999	26,367	12,968	13,500	16,000	35,580	283,972
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	. FUTURE	. TOTAL
Construction	58,120	45,554	68,909	25,048	12,318	12,825	15,200	33,801	269,776
Planning and Design	3,059	2,397	3,521	1,318	648	675	8D0	1,779	14,197
TOTAL EXPENDITURES:	61,179	47,951	70,430	26,366	12,966	13,500	16,000	35,580	283,972
							·.		
PEAK FLOW MANAGEMENT FACILI*  DESCRIPTION: Evaluate and cons LOCATION: Systemwide Various Sites		es for peak fl	Distr	ent facillilles an ict Located; ict(s) Served;	nd associated	PROJE Infrastructure Systemwl Systemwl	de	53371	6
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	Future	TOTAL
Future WASD Revenue Bonds	24,805	18,537	14,104	9,208	29,274	18,014	10,220	432,468	554,630
Wastewater Connection Charges	37,542	. 0	0_	0	0	0	0	. 0	37,542
TOTAL REVENUES:	62,347	18,537	14,104	9,208	29,274	16,014	10,220	432,468	592,172
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction '	53,986	18,001	12,552	8,195	26,054	14,252	9,095	384,897	527,032
Planning and Design	6,672	2,225	1,652	1,013	3,220	1,762	1,125	47,571	65,140
TOTAL EXPENDITURES:	60,658	20,226	14,104	9,208	29,274	16,014	10,220	432,468	592,172
CORROSION CONTROL FACILITIES DESCRIPTION: Construct corrosio stations; and resto LOCATION: Systemwide Various Sites	n control facilit	des and force	Distri	ite structures ot Located: ot(s) Served:	at wastewater ·	PROJE treatment pla Systemwi Systemwi	nts and pump de	53381	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	Future'	TOTAL
Future WASD Revenue Bonds	. / 0	100	90	865	362	4,882	116	0	6,405
WASD Revenue Bonds Sold	1,083	0	0	0.		, o_	0	0	1,083
TOTAL REVENUES:	1,083	100	90	865	352	4,882	116	0	7,488
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	921	85	76	735	299	4,150	99	0 .	6,365
Planning and Design	- 162	15	14	130	53	732	17	0	1,123



4,882

116

865

1,083

TOTAL EXPENDITURES:

SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT # 9853401

DESCRIPTION:

Construct plant process improvements including injection and monitoring wells, installation of emergency generators, acquiring a land buffer, construction of a landfill gas pipeline, installation of co-gen units, and construction of sludge

handling facilities

LOCATION:

8950 SW 282 St

Unincorporated Miami-Dade County

District Located:

District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
	5,000	0	2,000	4,000	3,000	1,000	0	0	15,000
	0	0	0	0	0	0	0	182,500	182,500
	28,000	0	0	0	0	0	0	0	28,000
TOTAL REVENUES:	83,000	0	2,000	4,000	3,000	1,000	Ö	182,500	225,500
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	32,000	1,000	2,000	4,000	3,000	1,000	0	182,500	225,500
TOTAL EXPENDITURES:	32,000	1,000	2,000	4,000	3,000	1,000	0	182,500	225,500

NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT

PROJECT #:

DESCRIPTION:

Construct a chlorine improvement process, replace sluice gates in the pre-treatment bar screen room, and provide for

various upgrades and rehabilitation of the plant

LOCATION:

2675 NE 151 St

North Mlaml

District Located:

District(s) Served;

Systemwide

REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	1,262	3,465	8,868	6,053	4,200	4,078	3,180	32,820	63,926
WASD Future Funding	0	0	O	0	þ	0	0	100,226	100,225,
WASD Revenue Bonds Sold	338	0	. 0	0	0	0	0	0	338
TOTAL RĘVEŅUES:	1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,424	3,084	7,892	5,387	3,738	3,630	2,830	118,410	146,395
Planning and Design	176	381	976	666	462	448	350	14;635	18,094
TOTAL EXPENDITURES:	1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489

CENTRAL DISTRICT UPGRADES WASTEWATER TREATMENT PLANT

PROJECT #: 9653421

DESCRIPTION:

Construct digester Improvements, algested sludge holding tanks, miscellaneous electrical improvements, outfall rehabilitation, a new gas pipeline, a new flushing water line, and a sludge handling facility; various upgrades and

rehabilitation of plant including pump stations 1 and 2

LOCATION:

Virginia Key

City of Miami

District Located:

District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 2,093	2016-17 5,347	2017-18 8,522	2018-19 5,713	2019-20 3,617	2020-21 1,900	2021-22 108	FUTURE 0	TOTAL 27,300
WASD Future Funding WASD Revenue Bonda Sold	0 '2,533 ·	0	0	0	, ,0	0	0	8,500 0	8,500 2,533
TOTAL REVENUES:	4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	38,333
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL,
Construction	4,348	5,026	8,011	5,370	3,400	. 1,786	102	.7,990	36,033
Planning and Design	278 '	321	511	343	217	114_	6	510	2,300
TOTAL EXPENDITURES:	4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	38,333

									,	
SAFE DRINKING WA	ATER ACT MOD	IFICATIONS-	SWT RULE	AND D-DBP			PROJE	CT#: 96	54061	6
DESCRIPTION:	Modify water trea	atment to comply	y with Surface	Water Treatm	nent (SWT) an	nd DisInfecțani	l/Disinfection I	By Product (D	-DBP)	
LOCATION:	Systemwide		•	Distri	ct Localed:		Systemwi	ie .		
	Various Sites			Distri	ct(s) Served:		Systemwl	ie		
	•									
REVENUE SCHEDULE	<b>∃</b> :	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL.
Fulgre WASD Revenu	ie Bonds	0	610	2,692	17,364	33,066	76,454	61,271	303,018	494 <sub>1</sub> 475
Rock Mining Mitigation	n Fees	20,979	D.	0	0	0	0	Đ	0	20,979
Water Renewal and R	eplacement Fund	1,076	Q.	0	0	0	Đ	0	0	1,076
TOTAL REVENUES:		22,055	610	2,692	17,364	33,066	76,454	61,271	303,018	516,530
EXPENDITURE SCHE	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	<b>FUTURE</b>	TOTAL
Construction		12,279	2,709	6,820	14,933	28,437	65,750	52,693	260,595	444,216
Planning and Design		1,999	440	1,110	2,431	4,629	10,704	8,578	42,423	72,314
TOTAL EXPENDITURE	ES:	14,278	3,149	7,930	17,364	33,066	76,454	61,271	303,018	516,530

SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

PROJECT#: 9655481

DESCRIPTION: Expand the South District Wastewater Plant and injection wells and install emergency generators

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$10,000,000

LOCATION: 8950 SW 232 St District Located:

Systemwide District(s) Served: Unincorporated Miami-Dade County

REVENUE SCHEDULE; Future WASD Revenue Bonds	PRIOR 1,745	2016-17 7,053	2017-18 7,724	2018-19 15,623	2019-20 15,167	2020-21 11,393	2021-22 11,500	FUTURE 73,000	TOTAL. 143,205
TOTAL REVENUES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,448	5,854	6,411	12,967	12,589	9,456	9,545	60,590	118,860
Planning and Design	297	1,199	1,313	2,656	2,578	1,937	1,955	12,410	24,345
TOTAL EXPENDITURES:	1.745	7.053	7.724	15.623	15.167	11.393	11.500	73,000	143,205

WATER TELEMETERING SYSTEM ENHANCEMENTS

PROJECT#: 9656780

Acquire and install a centralized computer system at water treatment plants and wellfields DESCRIPTION:

Systemwide District Located: LOCATION:

Systemwide Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE; Water Renewal and Replacement Fund	PRIOR 1,424	2016-17 0	2017-18 300	<b>2018-19</b> 300	2019-20 300	2020-21 300	2021-22 300	FUTURE 300	TOTAL 3,224
TOTAL REVENUES:	1,424	0-	300	300	300	300	300	300	3,224
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	342	313	138	138	138	138	138	138	1,483
Major Machinery and Equipment	401	368	162	162	162	162	162	162	1,741
TOTAL EXPENDITURES:	743	681	300	300	300	- 300	300	300	3,224

#### EXHIBIT D

Memorandum

Date:

November 30, 2016

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs -

Miami-Dade Water and Sewer Department

Subject:

Revision No. 1 to Seven (7) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and

Water Collection, Transmission and Distribution System - Project No. E15-WASD-01

This revision to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department (WASD) and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. WASD is requesting the following modifications to the RTA listed below:

The following information was revised on pages 1, 2 and 3 on the RTA:

PROJECT NAME:

Three (3) Non-Exclusive Professional Services Agreements (PSA) for Engineering Design and related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$33,000,000

BASE CONTRACT AMOUNT:

\$30,000,000

Three (3) separate PSA at

\$10,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 3,000,000

Contingency Allowance in

accordance with Ordinance 00-65

is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$33,000,000

As always, we thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachment

#### FXHIBIT E

	Memorandum	
Date:	February 12, 2016	·
То:	Christopher Agrippa, Director Clerk of the Board	
From:	Patty Palomo, Chief Intergovernmental Affairs Miami-Dade Water and Sewer Department	
Subject:	Request to Advertise Revision No. 2 - Project No. E15-WASD-01	

Revision No. 2 to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department and Is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. On November 30, 2015, Revision No. 1 was also filed with the Clerk of the Board, see attached. WASD is requesting additional modifications to the original RTA listed below:

The following information was revised from the original RTA on pages 1, 2 3 and 4.

#### PROJECT NAME:

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System.

#### PROJECT DESCRIPTION:

Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from six (6) qualified consultants for engineering design and related services for the design of Group A (Ocean Outfall Legislation Projects) large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors; and two (2) qualified consultants to provide engineering design and related services for the design of Group B (Non-Ocean Outfall Legislation Projects) large diameter water pipelines for water transmission and distribution system, related to WASD's capital improvement needs identified in the Multi-Year Capital Improvement Plan.

Proposers are advised that the selected Prime Consultant and Sub-consultants for ISD Project No. E13-WASD-11 titled Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Mlami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (6 agreements) of the Internal Services Department's (ISD) Project No. E16-WASD-01 (Ocean Outfall Legislation Project), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (2 agreements), other than those to be applied on a case by case

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 2 of 3

basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-WASD-11 or any contract resulting from this solicitation.

Proposers are advised that the selected Prime Consultant or Sub-consultants that are awarded the contract for ISD Project No. E12-WASD-03 titled Program Management Consultant and Related Services to establish a "Comprehensive Infrastructure Assessment and Replacement Program" for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (2 agreements) of ISD Project No. E15-WASD-01 (Non-Ocean Outfall Legislation Projects), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group B, Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (6 agreements), other than those to be applied on a case by case basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03 or any contract resulting from this solicitation.

### CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$40,000,000

BASE CONTRACT AMOUNT:

\$ 5,000,000

Eight (8) separate PSA at

\$5,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 4,000,000

Contingency Allowance in

accordance with Ordinance 00-65 is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$44,000,000

## MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- The Prime Consultant should demonstrate their successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride (PVC), high density polyethylene (HDPE), concrete pressure pipe, ductile iron, steel and fiberglass (FRP).
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team demonstrate their successful design experience with trenchless technologies including but not limited to Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, Identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 3 of 3

start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS;

DEPARTME	ENISELE	CHON COMMITTE	E RECOMMENDATION	
COMMITTEE MEMBER AND	YEAR HIRED	GENDER /ETHNICITY	EDUCATION	PROFESSIONAL LICENSES
TITLE Daniel Edwards, P.E. Section Manager, Planning (Member)	1997	Male/Caucaslan	Bachelor of Science Civil Engineering	Professional Engineer
Rolando Roque, Senior Professional Engineer (Technical Advisor)	2006	Male/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer
Elvira Amenta, P.E. Senior Professional Engineer (Member)	2003	Female/Hispanic	Bachelor of Science Clvil Englneering	Professional Engineer
Isaac Smith, Senior Pregram Manager (Alternate)	1990	Male/Black	Bachelor of Science Mechanical Engineering	Engineer Intern

As always, thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachments

#### **EXHIBIT F**



### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

THE COURSE OF THE PONDENTS OF THE SPONDENTS  Project Name: Engineering Design & Related Services for the Design of Large Diameter Water and Wastewater Pipelines

for the Water & Sewer Department's Wastewater & Water Collection, Transmission & Distribution System

· ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 1

Prime Name: KEITH AND SCHNARS, P.A.

Trade Name:

FEIN No.: 591406307

Prime Local Preference:

Subs Name

a. CIVIL WORKS, INC.

b. C.H. PEREZ & ASSOCIATES CONSULTING ENGINEERS, INC.

c. GIT CONSULTING LLC

Subs FEIN No. Trade Name 650673629

550866252

651319891

Submittal No: 2

Prime Name: STANTEC CONSULTING SERVICES, INC.

Trade Name:

Prime Local Preference: Yes

FEIN No.: 112167170

Subs Name

a, ALUCES CORPORATION

b. METCO SERVICES SOUTHEAST, LLC

c. LONGITUDE SURVEYORS, LLC

Subs FEIN No. Trade Name

471310425 800203267

P (3) S M, LLC

364551726

Submittal No: 3

Prime Name: CES CONSULTANTS, INC.

Trade Name:

Prime Local Preference:

FEIN No.: 650792884

Subs Name

a. BROWN AND CALDWELL (CORPORATION)

b. CH2M HILL, INC.

c. CHEN MOORE AND ASSOCIATES, INC.

Subs FEIN No. Trade Name

941446346 590918189

CHEN AND ASSOCIATES CONSULTING ENGINEERS, 592739866

VERTICAL V-SOUTHEAST,

271979486

INC. DBA KACO

651089850

112393559

d. NV5, INC. DBA KACO

e. HADONNE CORP.

f: D&B ENGINEERS AND ARCHITECTS PC



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 4

Prime Name: BLACK & VEATCH CORPORATION

Trade Name:

Subs FEIN No. Trade Name

Prime Local Preference:

650679927

FEIN No.: 431833073

Subs Name 593667002 a. E SCIENCES, INCORPORATED 592751524 b. F.R. ALEMAN AND ASSOCIATES, INC. 591159182 c. NUTTING ENGINEERS OF FLORIDA INC 650421519

d. BND ENGINEERS, INC.

CHEN AND ASSOCIATES 592739866 e. CHEN MOORE AND ASSOCIATES, INC.

CONSULTING ENGINEERS,

f. MAGBE CONSULTING SERVICES, INC.

Prime Local Preference: Yes

Submittal No: 5 FEIN No.: 591947578 Prime Name: CAS ENGINEERING, INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name

592485807 a. BALJET ENVIRONMENTAL, INC. 650133546 b. J BONFILL AND ASSOCIATES INC.

Prime Local Preference: Submittal No: 6

Prime Name: A & P CONSULTING TRANSPORTATION ENGINEERS FEIN No.: 650770583

CORP.

Trade Name:

Subs FEIN No. Trade Name Subs Name 562612529 RAFAEL J. BALLESTEROS, a. 300 ENGINEERING GROUP, P.A.

P.E. P.A. - OLD NAME 941371792 b. JACOBS ASSOCIATES CORP.

592119073 c. ROBAYNA AND ASSOCIATES, INC.



LÍST OF RESPONDENTS FOR THE PROPERTY OF THE STATE OF THE

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 7

Prime Name: WADE TRIM, INC.

Trade Name:

Subs Name

a. JACOBS ASSOCIATES CORP.

b. GRESHAM, SMITH AND PARTNERS

c. KEITH AND ASSOCIATES, INC.

d. PREMIERE DESIGN SOLUTIONS, INC.

Submittal No: 8

Prime Name: GANNETT FLEMING, INC.

Trade Name:

Subs Name

a. SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. K.M. ENGINEERING CONSULTANTS, INC.

d. HADONNE CORP.

e. THE VAILON GROUP, INC.

f. RUSSELL CORROSION CONSULTANTS,

INC.

Submittal No: 9

Prime Name: BCC ENGINEERING, INC.

Trade Name:

Subs Name

a. CIVIL WORKS, INC.

b. MANUEL G. VERA & ASSOCIATES, INC.

c. GOAL ASSOCIATES, INC.

d. MEDIA RELATIONS GROUP, LLC

Prime Local Preference:

FEIN No.: 592417170

Trade Name Subs FEIN No.

941371792 620794126 650806421 260571068

Prime Local Preference:

FEIN No.: 251613591

**KMEC** 

Trade Name Subs FEIN No.

650607552 223936061 260125061 651089850 261204483

521829252

Prime Local Preference: Yes

FEIN No.: 650540100

Trade Name Subs FEIN No.



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT `

Submittal Date: 03/11/2016

Submittal No: 10

Prime Name: PARSONS WATER & INFRASTRUCTURE INC.

Trade Name:

Prime Local Preference: Yes FEIN No.: 710920322

Subs Name

a. BND ENGINEERS, INC.

b. LONGITUDE SURVEYORS, LLC

c. GEOSOL, INC.

d. EV SERVICES, INC.

Submittal No: 11

Prime Name: WOOLPERT, INC.

Trade Name:

Subs Name

a. CDM SMITH, INC.

b. THE CORRADINO GROUP, INC.

c. BND ENGINEERS, INC.

Submittal No: 12

Prime Name: A.D.A. ENGINEERING, INC.

Trade Name:

Subs Name

a. THE CORRADINO GROUP, INC.

b. ARUP USA, INC.

c. HADONNE CORP.

Trade Name

Subs FEIN No.

650421519

P (3) S M, LLC

364551726 650997886

205779421

Prime Local Preference:

FEIN No.: 201391406

Trade Name

Subs FEIN No.

CAMP DRESSER & MCKEE 042473650

610713040

650421519

Prime Local Preference:

FEIN No.: 592064498

Trade Name

Subs FEIN No.

610713040 061539147



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 13

Prime Name: CSA CENTRAL, INC.

Trade Name:

Prime Local Preference:

Prime Local Preference:

FEIN No.: 941598707

Yes

Yes

FEIN No.: 311446286

Subs Name a. RADISE INTERNATIONAL, L.C. b. D&B ENGINEERS AND ARCHITECTS F c. SMART-SCIENCES, INC. d. NEW MILLENNIUM ENGINEERING, INC.	Subs FEIN No. 650785837 112393559 462397336 204809301
e. INFINITE SOURCE COMMUNICATIONS f. ENTECH DESIGN AND PROJECT	270403430 472105114

Submittal No: 14

Prime Name: T.Y. LIN INTERNATIONAL

MANAGEMENT LLC

Trade Name:

Subs Name a. NIFAH AND PARTNERS CONSULTING	Trade Name	Subs FEIN No. 650604266
ENGINEERS, INC.  b. F.R. ALEMAN AND ASSOCIATES, INC. c. EGSC ENGINEERING CONSULTANTS, INC. d. METCO SERVICES SOUTHEAST, LLC e. AVINO & ASSOCIATES, INC. f. CPM NORTH AMERICA PLLC d. INFINITE SOURCE COMMUNICATIONS	,	592751524 651043053 800203267 650053775 473185079 270403430
GROUP, LLC  h. LEGACY DEVELOPERS & ENGINEERS, CORP.	1	463528666



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 15

Prime Name: KING ENGINEERING ASSOCIATES, INC.

Trade Name:

Subs Name

a. LEITER, PEREZ & ASSOCIATES, INC.

b. STAHELI TRENCHLESS CONSULTANTS

c. EASTERN ENGINEERING GROUP COMPANY

d. GEOSOL, INC.

e. MEDIA RELATIONS GROUP, LLC

Submittal No: 16

Prime Name: JACOBS ENGINEERING GROUP, INC.

Trade Name: JEC ACQUISITION CO.

Subs Name

a. 300 ENGINEERING GROUP, P.A.

b. SRS ENGINEERING, INC.

c. CIVIL WORKS, INC.

d. CARDOZO ENGINEERING, INC.

e. BELLO AND BELLO LAND SURVEYING CORPORATION

f. KEITH AND ASSOCIATES, INC.

g. YOUSSEF HACHEM CONSULTING

ENGINEERING, INC.

h. INFINITE SOURCE COMMUNICATIONS

GROUP, LLC

Prime Local Preference:

FEIN No.: 591782900

Subs FEIN No. Trade Name 592746730

> 460507796 611492162

Yes

650997886

200118620

Prime Local Preference:

FEIN No.: 954081636

Subs FEIN No. Trade Name 562612529 RAFAEL J. BALLESTEROS,

P.E., P.A. - OLD NAME

650607552

650673629

650956092

134219102

650806421

203225960



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 17

Prime Name: HAZEN AND SAWYER, P.C.

Subs Name

Trade Name:

Subs FEIN No. Trade Name 952661922

P (3) S M, LLC

Prime Local Preference:

FEIN No.: 132904652

a. AECOM TECHNICAL SERVICES, INC. F/K/A EARTH TECH, INC.

b. ALUCES CORPORATION

c. EBS ENGINEERING, INC.

d. LONGITUDE SURVEYORS, LLC

e. ROBAYNA AND ASSOCIATES, INC.

f. GEOSOL, INC.

650997886 Prime Local Preference:

471310425

650492113

364551726

592119073

Submittal No: 18 FEIN No.: 111531569 Prime Name: PARSONS BRINCKERHOFF, INC.

Trade Name: PB AMERICAS, INC.

Subs FEIN No. Trade Name Subs Name

a. ALUCES CORPORATION b. F.R. ALEMAN AND ASSOCIATES, INC.

c. NOVA CONSULTING, INC.

d. AMBRO, INC.

e. MAGBE CONSULTING SERVICES, INC.



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 19

Prime Name: EAC CONSULTING, INC.

Trade Name:

Trade Name Subs Name

a. SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. ROBAYNA AND ASSOCIATES, INC.

d. BELLO AND BELLO LAND SURVEYING CORPORATION

e. EV SERVICES, INC.

f. ORACLE CONSULTING GROUP, LLC

Submittal No: 20

Prime Name: KIMLEY-HORN AND ASSOCIATES, INC.

Trade Name:

Trade Name Subs Name

a. HDR ENGINEERING, INC. b. AVINO & ASSOCIATES, INC.

c, CHEN MOORE AND ASSOCIATES, INC.

d, METCO SERVICES SOUTHEAST, LLC

e. HOLT COMMUNICATIONS, INC.

Submittal No: 21

Prime Name: TETRA TECH, INC

Trade Name:

Subs Name

a. 300 ENGINEERING GROUP, P.A.

b. HBC ENGINEERING COMPANY

c. MILLER, LEGG & ASSOCIATES, INC.

d. EV SERVICES, INC.

Subs FEIN No.

Prime Local Preference:

FEIN No.: 650519739

650607552 223936061 592119073 134219102

> 205779421 800456242

Prime Local Preference:

FEIN No.: 560885615

Subs FEIN No.

470680568 650053775

CHEN AND ASSOCIATES 592739866

CONSULTING ENGINEERS,

INC

800203267

161754464

Prime Local Preference: Yes

FEIN No.: 954148514

Subs FEIN No. Trade Name 562612529

RAFAEL J. BALLESTEROS, P.E., P.A. - OLD NAME

223936061 650563467 205779421

Page 8 of 8

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	HRST - TIER MEETING JUNE 23, 2016 JUNE 23, 2016 JUNE 23, 2016 JUNE 23, 2016 JUNE 23, 2016 JUNE 23, 2016 JUNE 24, 2016 ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	3 CES CONSULTANTS, ING. (LOCAL) (E)  1. AQualification of firms Inoluting learn members associated to the project (Max. 50 points)  2. AQualification of firms Indicating the projects (Max. 20 points)  3Past Performance of the Firms (Max. 20 points)  4 Amount of Work Awarded and Paid by the County (Max. 5 points)  5. AAbulty of team members to interface with the County (Max 5 points)	Drufinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores  Dropped Qualitative Scores	THE-Branker(USE Ords)-Unterload in A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-	54 - Ability of team menbers to interface with the County leave powers)  Ordinal Scores  Dropped Ordinal Scores  Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A  Tie-Breaker (Total Ord, Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A	167	

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FIRST - TIER MEETING	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	7 WADE TRIM, INC. (LOCAL) (A&B)	(A - Qualification of firms including team members associated to the project (Max. 50 points)  (A - Qualification of firms including team members associated to the projects (Max. 20 points)  3A - Part Performance of the Firms (Max. 20 points)  (A A - Amount of Work Awarded and Paid by the County (Max. 6 points)  5A - Ability of team members to interface with the Gounty (Max. 6 points)	Ordinal Scores	Dropped Ordinal Scores	,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A, jucted Qual. Points, then Total Qual. Points for 1A	B GANNETT FLEMING, INC. (LOCAL) (B)	1A - Qualification of firms including fearn members associated to the project (Max. 50 points) 2A - Knowledge and Past Experience of aimilar type projects (Max. 20 points) 3A - Pact Performance of the Firms (Max. 20 points) 4A - Annount of Profest and Pald by the County (Max. 5 points) 5A - Ability of team members to interface with the County (Max. 5 points)	Ordinal Scores	Dropped Ordinal Scores  Dropped Qualitative Scores  An an an an an an an an an an an an an an	Tie-Breaker (CSC Ords)-Critation 19,44,544,549, 11-81 to the Total Qual, Points for 14,28,38,48,58

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11 - 2	JUNE 23, 2019  JUNE 24, 2019  JUNE 24, 2019  ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E/S-WASD-01	агам, гая	GSAW ,HT	TOOR, WASD	LLANO, RER	JATOT-81		, in sistem	/g peds c-0	SEMPRITATION	NIŻNAŚŁĄNIŁ	aOos aANIOAost	INVERSE NAME :	INAL RANK
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15	KING ENGINEERING ASSOCIATES, INC. (LOCAL) (ARB).			-		<u> </u>	$-\frac{1}{1}$	_	- 1					
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#### EXHIBIT H

# Memorandum



DATE:

July 6, 2016

TO:

Miriam Singer, Sr. Assistant Director

Internal Services Department

TROM:

Gary Hartfield, Division Director

Internal Services Department

Small Business Development

SUBJECT:

Compliance Review

Project No. E15-WASD-01

Engineering Design & Related Services for The Design Of Large Diameter Water & Wastewater

Pipelines for The Water & Sewer Department's Wastewater & Water Collection, Transmission &

Distribution System

Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise (SBE/AE) Program for Architectural and Engineering Services program. The contract measures established for this project is a 20% SBE/AE Subconsultant Goal.

The Professional Services Division of the Internal Services Department has submitted proposals from Keith and Schnars, P.A. #1, Stantec Consulting Services, Inc. #2, CES Consultants, Inc. #3, Black & Veatch Corporation #4, CAS Engineering, Inc. #5, A & P Consulting Transportation Engineers, Corp. #6, Wade Trim, Inc. #7, Gannett Fleming, Inc. #8, BCC Engineering, Inc. #9, Parsons Water & Infrastructure Inc., #10, Woolpert, Inc. #11, A.D.A. Bugineering, Inc. #12, CSA Central, Inc. #13, T.Y. Lin International, #14, King Engineering Associates, Inc. #15, Jacobs Engineering Group, Inc. #16, Hazen And Sawyer, P.C. #17, Parsons Brinckerhoff, Inc. #18, EAC Consulting, Inc. #19, Kimley-Horn And Associates, Inc. #20, and Tetra Tech, Inc. #21 for compliance review. Following is the pre-award compliance status and summary.

#### STATUS:

17. Hazen and Sawyer, P.C.  18. Parsons Brinckerhoff, Inc.  19. EAC Consulting, Inc.  20. Kimley-Horn and Associates, Inc.  21. Tetra Tech. Inc.  Compliant Compliant Compliant	<ul><li>18. Parsons Brinckerhoff, Inc.</li><li>19. EAC Consulting, Inc.</li></ul>	Compliant Compliant
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Miriam Singer E15-WASD-01 Pago 2 July 6, 2016

#### SUMMARY:

Keith and Schnars, P.A. #1, submitted the required Letters of Agreement (LOAs) committing to utilize the following certified SBE/AE firms: C.H. Perez & Associates Consulting Engineers, Inc. to provide (TC) categories 15.01 (Surveying & Mapping-Land Surveying) at 4%, 16.00 (General Civil Engineering) at 2% and 17.00 (Engineering Construction Management) at 4%, Civil Works, Inc. to provide 6.01 (Water & Sanitary Seware Collection & Transmission Systems) at 10%, and GIT Consulting LLC. to provide 6.01 (Water & Sanitary Seware Systems — Water Distribution & Sanitary Seware Collection & Transmission Systems) at 5% for a total of 25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Keith and Schnars, P.A. has satisfied the contract's 20% SBE/AE sub-consultant goal, and is in compliance with the Small Business measures established for this contract.

Stantec Consulting Services, Inc. #2, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Metco Services Southeast, LLC, to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 15%, and Longitude Surveyors, LLC. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Stantec Consulting Services, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CES Consultants, Inc. #3, a certified SBE/AE firm, submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CES Consultants, Inc. has satisfied the contracts 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Black & Veatch Corporation #4, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7%, F.R. Aleman And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 3%, and BND Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 14% for a total of 24% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Black & Veatch Corporation has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CAS Engineering, Inc. #5, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Baljet Environmental, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, and J. Bonfill and Associates Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 10% for a total of 20% in satisfaction

Miriam Singer B15-WASD-01 Page 3 July 6, 2016

of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CAS Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A & P Consulting Transportation Engineers, Corp. #6, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying), and 15.03 (Surveying & Mapping — Underground Utility Location) at 5%, for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A & P Consulting Transportation Engineers, Corp. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Wade Trim, Inc. #7, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Keith and Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 11%, Premiere Design Solutions, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 17.00 (Engineering Construction Management) at 9%, for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Wade Trim, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Gannett Fleming, Inc. #8, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Hadonne Corp. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, K.M. Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 17%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10% for a total of 35% in satisfaction of the 20% SBE/AE subconsultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Gannett Fleming, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

BCC Engineering, Inc. #9, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Manuel G. Vera & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 10%, and Civil Works, Inc. to provide 16.00 (General Civil Engineering) at 10% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

BCC Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

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Parsons Water & Infrastructure Inc. #10, submitted the required LOAs committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 18.5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 3% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 3% for a total of 24.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Water & Infrastructure Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Woolpert, Inc. #11, submitted the required LOA committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Woolpert, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A.D.A. Engineering, Inc. #12, a certified SBE/AE firm submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A.D.A. Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CSA Central, Inc. #13, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Radise International, L.C. to provide TC's 9.02 (Geotechnical & Materials Engineering Services) at 8%, and Smart-Sciences, Inc. to provide 10.00 (Environmental Engineering) at 5% for a total of 13%. CSA Central, Inc. also submitted an LOA committing to utilize Infinite Source Communications Group, LLC to provide public involvement services at 7%. Infinite Source Communications Group, LLC is not a certified SBE/AE firm and cannot be utilized to meet any portion of the 20% SBE/AE goal. Pursuant to Implementing Order 3-32 "The utilization of a non-certified SBE-A/E and proposals that do not meet the specified goal" constitute non-compliance with the Implementing Order. CSA Central, Inc. is non-compliant to the Small Business measures established for this contract.

T.Y. Lin International #14, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Avino & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 5%, EGSC Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, F.R. Aleman and Associates, Inc. to provide 16.00 (General Civil Engineering) at 5%, Legacy Developers & Engineers Corp. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 3%, Metco Services South East, LLC to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 5%, and Nifah and Partners Consulting Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Miriam Singer

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Civil Engineering) at 5% for a total of 28% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

T.Y. Lin International has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

King Engineering Associates, Inc. #15, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Leiter Perez & Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 15.01 (Surveying & Mapping-Land Surveying), 15.03 (Surveying & Mapping – Underground Utility Location), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 19%, Eastern Engineering Group Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 11.00 (General Structural Engineering), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 1% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services), 9.02 (Geotechnical & Materials Engineering Services) and 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) at 1% for a total of 21% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

King Engineering Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Jacobs Engineering Group, Inc. #16, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Youssef Hachem Consulting Engineering, Inc. to provide TC's 16.00 (General Civil Engineering) at 1%, Keith And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 1%, Bello & Bello Land Surveying Corporation to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, Civil Works, Inc. to provide 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 12.5% and 300 Engineering Group P.A. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% for a total of 41.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Jacobs Engineering Group, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Hazen And Sawyer, P.C. #17, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Aluces Corporation to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, EBS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 2.25%, Robayna and Associates, Inc. to provide 6.01(Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) and 16.00 (General Civil Engineering) at 2.25% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 0.5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

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Hazen And Sawyer, P.C. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Parsons Brinckerhoff, Inc., #18, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Nova Consulting, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 15%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, F.R. Aleman and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% and Ambro, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5% for a total of 35% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Brinckerhoff, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

EAC Consulting, Inc. #19, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Bello and Bello Land Surveying Corporation to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 1.25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7% and SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 15% for a total of 27.25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

EAC Consulting, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Kimley-Horn And Associates, Inc. #20, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, Metco Services Southeast, LLC to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, and Avino & Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Kimley-Horn And Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Tetra Tech, Inc. #21, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 22.5%, Miller, Legg & Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), 17.00 (Engineering Construction Management) and 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Miriam Singer

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E15-WASD-01 Page 7 July 6, 2016

Engineering) and 17.00 (Engineering Construction Management) at 6% for a total of 32.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Although Tetra Tech, Inc. also committed to utilize EV Services, Inc. to provide public involvement services at 1%, EV Services, Inc. is not certified as an SBE/AE firm and cannot be utilized to meet the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Tetra Tech, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

SBD has verified that none of the aforementioned firms are listed on the Goal Deficit Make-Up Report as of July 1, 2016. Also, a review of the History of Violations Report as of July 1, 2016 indicates that none of the aforementioned firms have an open violation.

Please note that SBD staff reviewed and addressed compliance with the SBE/AE program. The Professional Services Division of the Internal Services Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar Suarez at (305) 375-3141.

c: Curt Williams, ISD
Julie Whiteside, ISD
File

# EXHIBIT I

# Memorandum



Date:

July 19, 2016

To:

Lester Sola, Director

Miami-Dade Water and Sewer Department

Through:

Miriam Singer, CPPO, Sr. Assistant/Director

Internal Services Department

From:

Julie Whiteside, A&E Consultant Selection Coordinator\_

Chairperson, Competitive Selection Committee

Subject:

**NEGOTIATION AUTHORIZATION** 

Miaml-Dade Water and Sewer Department

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group

B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and

Distribution System

ISD Project No. E15-WASD-01

In accordance with the guidelines published in the Notice to Professional Consultants, the Competitive Selection Committee has completed the evaluation of the proposals submitted in response to the above-referenced internal Services Department solicitation.

ISD Project No.: E15-WASD-01

Project Title: Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

Scope of Services Summary: This project consists of utility design, including planning, and permitting assistance during construction for system upgrades to large water and sewer pipelines. The projects could be for the rehabilitation or replacement, or for new large diameter pipeline facilities.

Participation Restrictions: The Prime Consultant and Sub-consultants that were awarded the contract for ISD Project No. E13-WASD-11: Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Miami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (Ocean Outfall Legislation Projects). This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (Non-Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis in

accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-VVASD-11, or any contract resulting from this solicitation.

The Prime Consultant or Sub-consultants that were awarded the contract for ISD Project No. E12-WASD-03: Program Management Consultant and Related Services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (Non-Ocean Outfall Legislation Projects). This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis, in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03, or any contract resulting from this solicitation.

See the attached list of precluded firms for Group A and Group B.

Experience and Qualifications:

- The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate its successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not ilmited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate its successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the consultant team demonstrate its successful design experience with trenchless technologies, including but not limited to, Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating, new or upgraded water transmission pipeline and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects that the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Sub-consultants shall provide a description of at least one (1) project that is relevant to this scope of work specific to their proposed responsibilities. The descriptions shall

include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Sub-consultant firm, the project's achievements, and client reference and contact information.

Term and Estimated Cost of Contract: Six (6) consultant/team of firms will be retained under six (6) separate non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects), and two (2) consultant/team of firms will be retained under two (2) separate non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects). Professional Services Agreements will have an effective term of six (6) years. The estimated cost of each agreement is \$5,500,000, inclusive of contingencies.

Small Business Development Goal/Measure: On February 1, 2016, the Internal Services Department's Small Business Development Division established a 20% utilization goal for Small Business Enterprise Architectural and Engineering firms applicable to this solicitation.

Request to Advertise Stamped by the Clerk of the Board: September 2, 2015; Revision Number 1 - November 30, 2015; and Revision Number 2 - February 12, 2016.

Number of Proposals Received: Twenty-One (21) proposals.

Name of Proposer(s): Please refer to the attached List of Respondents.

Small Business Development Compliance Review: Please refer to the attached Compliance Review Memorandum, dated July 6, 2016.

First Tier Results: See attached First Tier Tabulation Sheet.

Second Tier Results: Not applicable. Based on the Competitive Selection Committee's professional expertise the Information provided in the proposals was deemed sufficient to determine the qualifications of the teams. As a result and by a majority vote, the Competitive Selection Committee decided to forego Second Tier proceedings.

Request for Appointment of Negotiation Committee: Pursuant to Section 2-10.4 (6) of the Code of Miami-Dade County, the Internal Services Department hereby requests the County Mayor or his designee approve the following Negotiation Committee, for the purpose of negotiating six (6) non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects) and two (2) non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects, respectively, with the highest ranked firms who qualify for such Group(s). In the event that a committee member is unable to attend a negotiation meeting, the negotiation committee may proceed with negotiations without that member.

- Julie Whiteside, Architectural and Engineering Consultant Selection Coordinator, Non-Voting Chairperson, Internal Services Department
- Daniel Edwards, Section Manager, Water and Sewer Department
- · Isaac Smith, Senior Program Manager, Water and Sewer Department
- Jaquelyn Llano, Senlor Professional Engineer, Regulatory and Economic Resources Department

Request for Authorization to Enter Negotiations: Pursuant to Section 2-10.4 (6) of the Code of Miami-Dade County, it is hereby requested that the County Mayor or his designee approve

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the selection of the following firms for negotiations, in the Competitive Selection Committee's recommended order of preference. See below:

# RANKING OF RESPONDENTS SELECTION FOR PROFESSIONAL SERVICES AGREEMENT NEGOTIATION EIGHT (8) AGREEMENTS WITH 20% SMALL BUSINESS ENTERPRISE – ARCHITECTURAL AND ENGINEERING GOAL (EACH)

# GROUP "A"

# A&P Consulting Transportation Engineers Corp.

Eligibility: Group A & B Adjusted Qualitative Points -- 276 Adjusted Ordinal Score -- 12 Final Ranking -- 1

# Black & Veatch Corporation

Eligibility: Group A & B Adjusted Qualitative Points – 268 Adjusted Ordinal Score – 15 Final Ranking – 2

# Kimley-Horn and Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 278 Adjusted Ordinal Score – 19 Final Ranking – 3

## Stantec Consulting Services, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 276 Adjusted Ordinal Score – 21 Final Ranking – 4

# Jacobs Engineering Group, inc.

Eligibility: Group A & B Adjusted Qualitative Points – 272 Adjusted Ordinal Score – 23 Final Ranking – 5

## Wade Trim, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 275 Adjusted Ordinal Score – 25 Final Ranking – 6

The following teams will serve as alternates for Group "A":

Tetra Tech, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 26 Final Ranking – 9

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 265 Adjusted Ordinal Score – 31 Final Ranking – 11

Parsons Water & Infrastructure, Inc.

Eligibility: Group A & B
Adjusted Qualitative Points – 259
Adjusted Ordinal Score – 34
Final Ranking – 14

## **GROUP "B"**

EAC Consulting, inc.

Eligibility: Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 25 Final Ranking – 7

Parsons Brinkerhoff, Inc.

Eligibility: Group B Adjusted Qualitative Points – 269 Adjusted Ordinal Score – 26 Final Ranking – 8

The following teams will serve as afternates for Group "B":

Tetra Tech, Inc.

Eligibility: Group A & B Adjusted Qualitative Points - 264 Adjusted Ordinal Score - 26 Final Ranking - 9

CES Consultants, Inc.

Eligibility; Group B Adjusted Qualitative Points – 263 Adjusted Ordinal Score – 29 Final Ranking – 10

King Engineering Associates, Inc.

Eligibility: Group A & B
Adjusted Qualitative Points – 265
Adjusted Ordinal Score – 31
Final Ranking – 11

Pursuant to the Cone of Silence legislation included in the Conflict of Interest and Code of Ethics Ordinance, and Section 2-11.1 of the County Code, the County Mayor or his designee will report to the Board of County Commissioners any of the following instances:

When negotiations do not commence, or other affirmative action is not taken, within 30

# Small Business Development A&E Firm History Report

**To:** 08/24/2016 From: 08/24/2013 PRIMES

BLACK & VEATCH CORPORATION 1000 NW 57 Ct, Suite 640

FIRM NAME:

Miami, FL 33126-0000

EDP-WS-S-235

PROJECT#

**EXHIBIT J** \$200,000.00 AWARD AMOUNT \$200,000.00 12/22/2015 award Date \$0.00 \$200,000.00 Total Award Amount Total Change Orders Approved by BCC NO MEASURE MEASURES DEPT. Š CONTRACT 2015 ANNUAL WATER LOSS REDUCTION REPORT

Page 1

DBDR0212\_E v20150827

Ver: 1

\* Indicates closed or expired contracts
Disclaimer: Payments shown may not reflect current information

Thursday, August 25, 2016

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# Small Business Development Firm History Report

From: 08/24/2013 To: 08/24/2016

FIRM NAME: BLACK & VEATCH CORPORATION 1000 NW 57 Ct, Suite 640

PRIMES

AWARD AMOUNT \$150,000.00 \$500,000,00 \$150,000.00 \$500,000.00 06/02/2015 09/29/2013 AWARD. Date NO MEASURE NO MEASURE MEASURES DEPT. WS ₽ CONTRACT WATER AND SEWER DEPARTMENT RATES AND FEES ANALYSIS WATER & SEWER RATES AND FEES ANALYSIS Miami, FL 33126-0000 \* EPP-RFP530-4(4) PROJECT# . \* L530-0/19

\$0.00 \$650,000.00 \$650,000.00 Total Award Amount Total Change Orders Approved by BCC

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Indicates closed or expired confracts
 Disclaimer. Payments shown may not reflect current information

Thursday, August 25, 2016

Page 1

Ver: 1

DBDR0210\_E v.20150827

# **EXHIBIT K**



# Capital Improvements Information System Contractor Evaluations Report

		<b>A</b>				•	
<u>Dept</u> WS	Contract E08-WASD-01 WO: 0000074164	<u>Type</u> PSA	Contractor / Architect Name Black & Veatch Corporation	<u>Date</u> 10/4/2010	<u>Rater</u> Sherry Negahban	<u>Period</u> Project conclusion or closeout	<u>Rate</u> 3.8
Ws	E08-WASD-01 WO: 04	PSA	Black & Veatch Corporation	2/8/2011	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 005	PSA	Black & Veatch Corporation	3/8/2011	Richard D. Ball	Project conclusion or closeout	<u>3.8</u>
WS	E08-WASD-01 WO: 002	PSA	Black & Veatch Corporation	3/15/2011	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 09	PSA	Black & Veatch Corporation	6/28/2011	Manuel E Moncholl	Project conclusion or closeout	<u>4.0</u>
₩s	E08-WASD-01 WO: 008	PSA	Black & Veatch Corporation	6/30/2011	Richard D. Bail	Project conclusion or closeout	<u>3.2</u>
WS	E08-WASD-01 WO: 007	PSA	Black & Veatch Corporation	7/13/2011	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
W8	E08-WASD-01 WO: 010	PSA	Black & Veatch Corporation	7/13/2011	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 015	PSA	Black & Veatch Corporation	11/15/2011	Ralph Terrero	Completion of study or design	<u>4.0</u>
WS	E08-WASD-01 WO: 12	PSA	Black & Veatch Corporation	12/16/2011	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 011	ΡSA	Black & Vealch Corporation	1/31/2012	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 017	PSA	Black & Veatch Corporation	10/29/2012	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 16	PSA	Black & Veatch Corporation	11/1/2012	Juan Pelay	Project conclusion or closeout	<u>3.8</u>
WS	E08-WASD-01 WO: 20	PSA	Black & Veatch Corporation	12/11/2012	2 Harold Concepcion	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 19	PSA	Black & Veatch Corporation	1/25/2013	Rosa Licea	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 14	PSA .	Black & Vealch Corporation	4/22/2013	Maria A. Valdes	Completion of study or design	<u>4.0</u>
Ws	E08-WASD-01 WO: 24	PSA ·	Black & Veatch Corporation	5/3/2013	Donna Fries	Completion of study or design	<u>3.8</u>
WS	E08-WASD-01 WO: 018	PSA	Black & Veatch Corporation	6/11/2013	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E08-WASD-01 WO: 13	PSA	Black & Veatch Corporation	7/9/2013	Brian Trujillo, P.E.	Completion of study or design	<u>3,8</u>
WS	E08-WASD-01 WO: 22	PSA	Black & Veatch Corporation	9/26/2013	Richard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E12-WASD-01 WO: 04	PSA	Black & Veatch Corporation	11/20/2013	BRIchard D. Ball	Project conclusion or closeout	<u>4.0</u>
WS	E12-WASD-01 WO: 5	PSA	Black & Veatch Corporation	1/31/2014	Angel Curbelo	Completion of study or . design	<u>4.0</u>
ws	E12-WASD-01 WO: 9	PSA	Black & Veatch Corporation	7/30/2014	Donna Fries	Completion of study or design	<u>3.8</u>
ws	E08-WASD-01 WO: 21	PSA	Black & Veatch Corporation	1/9/2015	Danjel Edwards	Project conclusion or closeout	<u>4.0</u>
ws	E12-WASD-01 WO: 006	PSA	Black & Veatch Corporation	2/9/2015	Peter M Jelonek	Completion of study or design	<u>3.7</u>
WS	E12-WASD-01 WO: 020	PSA	Black & Veatch Corporation	3/30/2015	Elizabeth Villafane	Project conclusion or closeout	<u>4.0</u>
WS	E12-WASD-01 WO: 020	PSA	Black & Veatch Corporation	6/11/2015	Bertha M. Goldenberg	Project conclusion or closeout	<u>4.0</u>
ws	E12-WASD-01 WO: 015	PSA	Black & Veatch Corporation	6/17/2015	Elizabeth Villafane	Project conclusion or closeout	<u>4.0</u>
WS	E12-WASD-01 WO: 002	PSA	Black & Veatch Corporation	6/29/2015	Maria A. Valdes	Project conclusion or closeout	<u>4.0</u>
ws	E12-WASD-01	PSA	Black & Veatch Corporation	6/29/2015	Maria A. Valdes	Project conclusion or	<u>4.0</u>

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	WO: 001					closeout	
WS	E12-WASD-01 WO: 013	PSA	Black & Veatch Corporation	12/7/2015	Elizabeth VIIIafane	Project conclusion or closeout	<u>4.0</u>
WS	E12-WASD-01 WO: 022	PSA	Black & Vealch Corporation	1/13/2016	Elizabeth Villafane	Project conclusion or closeout	<u>4.0</u>
WS	E12-WASD-01 WO: 17	PSA	Black & Veatch Corporation	3/31/2016	Elizabeth Villafane	Project conclusion or closeout	<u>3,8</u>

Evaluation Count: 33 Contractors: 1 Average Evaluation: 3.9

Exit

# **Exhibit B** Item 4



Date:

December 1, 2016

2016 DEC - | AM 10: 34

CLERK CIRCUIT & COUNTY CTS

HAMINA ABE BOUNTY, FLA.

To:

Honorable Carlos A. Gimenez

Mayor

From: Lester Sola, Director

Water and Sewer Department

Subject: Recommendation approving award of a Non-Exclusive Professional Services

> Agreement to Kimley-Horn and Associates, Inc. for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects) - Project No. E15-WASD-01; Contract No.

16KHAI004

#### RECOMMENDATION:

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8,2,12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee approve the attached Non-Exclusive Professional Services Agreement to Kimley-Horn and Associates, Inc. for engineering design and related services for the design of large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors. Group A (Ocean Outfall Legislation Projects) - Project No: E15-WASD-01; Contract No: 16KHAl004. The total compensation amount is \$5,500,000 with a total contract term of six (6) years. For this Project, Miami-Dade County intends to retain six (6) qualified firms under six (6) separate Professional Services Agreements. This contract award recommendation was prepared by WASD.

#### **DELEGATION OF AUTHORITY:**

Pursuant to the provisions of Section 2-8.2.12 of the Mlami-Dade County Code, the County Mayor or County Mayor's designee will have the authority to execute, amend and terminate the Agreement and to resolve disputes. Additionally, pursuant to the provisions of Sections 2-8.2.12 (4)(d) and (e) of the Code, the County Mayor or County Mayor's designee will have the authority to amend and/or extend the Agreement to complete any unfinished work, waive liquidated damages, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount.

## **PROJECT NAME:**

Non-Exclusive Professional Services Agreement for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects)

# PROJECT DESCRIPTION:

Kimley-Horn and Associates, Inc. will provide engineering services for utility design, including planning and permitting assistance during construction for system upgrades to large sewer pipelines. The scope of services consists of complete design services, which includes, but is not limited to: performance of preliminary route analysis; site investigations; surveying; maintenance of traffic plans; hydraulic analysis; coordination with other utilities; coordination with other municipalities and the public; preparation of design reports; preparation of specifications; preparation of design-build criteria packages; drawings and contract assistance during the permitting and procurement phases; and engineering support during construction. Engineering support during construction is anticipated to include, but is not limited to: periodic site inspections; attendance at meetings; review of shop drawings; responding

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 2

to requests for information; reviewing claims and potential change orders; reviewing contract schedules and schedule of values; and reviewing as-built drawings. Project coordination services are anticipated to include, but are not limited to: establishing a plan to implement projects; establishing and tracking project schedules, budgets and deadlines; preparing status reports; and attending meetings as requested.

PROJECT LOCATION:

Throughout Miami-Dade County

PRIMARY COMMISSION DISTRICT:

Various Commission Districts

# APPROVAL PATH:

Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12 of the Code of Miami-Dade County.

MANAGING DEPARTMENT:

Miami-Dade Water and Sewer Department

SMALL BUSINESS DEVELOPMENT (SBD):

REVIEW DATE:

08/10/2015

SIGNOFF DATE:

08/13/2015

RESUBMITTAL DATE:

11/25/2015

SIGNOFF DATE:

11/25/2015

01/29/2016

02/01/2016

SBD ASSIGNED CONTRACT MEASURES: See attached Exhibit "A", "Project Worksheets".

TYPE	GOAL	COMMENT
SBE-A/E	20.00%	Implementing Order 3-32
SBE-Goods and Services	N/A	Implementing Order 3-41

# PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

Туре	Code	Description
Prime	6.01	Water Distribution and Sanitary Sewer Systems – Water
		Distribution and Sanitary Sewer Collection and Transmission
ĺ		Systems
Prime	17.00	Engineering Construction Management
Other	15.01	Surveying and Mapping – Land Surveying
Other	16.00	General Civil Engineering

#### SUBCONSULTANTS:

The chart below indicates the list of Subconsultants that will be utilized under this Agreement and which of those Subconsultants are being used to meet the Small Business Enterprise measures as indicated above. See attached Exhibit "B", "Letters of Agreement".

SUBCONSULTANT	GOAL	SERVICES
Avino and Associates, Inc.	5%	Surveying
Chen Moore and Associates, Inc.	16%	Hydraulic Analysis; Utility Coordination; Preliminary Route Analysis; Site Investigation; Design Reports; Drawings and Specifications; Permitting; Procurement Assistance; and Construction Management
HDR Engineering, Inc.	N/A	Hydraulic Analysis; Utility Coordination; Maintenance of Traffic; Preliminary Route Analysis; Site Investigation; Public Involvement; Design-Build Criteria; Design

Holt Communications, Inc.	N/A	Reports; Drawings and Specifications; Permitting; Procurement Assistance; and Construction Management Public Outreach
Metco Services Southeast, LLC	5%	Hydraulic Analysis; Utility Coordination; Maintenance of Traffic; Preliminary Route Analysis; Site Investigation; Design-Build Criteria; Design Reports; Drawings and Specifications; Permitting; Procurement Assistance; and Construction Management

APPLICABLE WAGES (RESOLUTION No. R-54-10): No

MANDATORY CLEARING HOUSE:

# FISCAL IMPACT / FUNDING SOURCE:

Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; and WASD Future Funding and Wastewater Renewal Fund.

No

# **CAPITAL BUDGET PROJECT # - DESCRIPTION:**

See attached Exhibit "C", "Capital Budget Information".

PTP FUNDING:

No

GOB FUNDING:

No

ARRA FUNDING:

Nο

**SUSTAINABLE BUILDINGS ORDINANCE:** (Ord. 07-65): This project does not qualify for compliance with the Sustainable Buildings Ordinance.

TOTAL CONTRACT PERIOD:

Six (6) years

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES:

No

BASE CONTRACT AMOUNT:

\$5,000,000

CONTINGENCY ALLOWANCE

IN ACCORDANCE WITH

ORDINANCE 00-65:

\$ 500,000

TOTAL CONTRACT AMOUNT:

\$5,500,000

**SEA LEVEL RISE (ORD. NO. 14-79):** The impact of sea level rise will be considered as part of the design.

# TRACK RECORD / MONITOR: None

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD Procurement Guidelines to determine responsibility, including verifying corporate status and performance and compliance data. The lists that were reviewed include:

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 4

convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to Kimley-Horn and Associates, Inc.'s responsibility. This information is being provided pursuant to Resolution R-187-12.

#### **EXPLANATION:**

On September 2, 2015, a Notice to Professional Consultants was issued under full and open competition for seven (7) separate Non-Exclusive Professional Services Agreements with a total compensation amount of \$5,000,000 each. On November 30, 2015, Request to Advertise (RTA) Revision No. 1 was filed with the Clerk of the Board to modify the total amount of Professional Services Agreements from seven (7) to three (3) with a total compensation amount of \$10,000,000. See attached Exhibit "D", "RTA Revision No. 1". After receiving industry feedback, WASD revisited the scope of services and minimum experience and qualifications and filed RTA Revision No. 2 on February 12, 2016, with the Clerk of the Board. RTA Revision No. 2 increased the amount of Professional Services Agreements from three (3) to eight (8) with a total compensation amount of \$5,000,000. See attached Exhibit "E", "RTA Revision No. 2". On March 11, 2016, the Clerk of the Board received twenty-one (21) proposals in response to this solicitation. See attached Exhibit "F", "List of Respondents".

## FIRST-TIER MEETING:

At the First-Tier "Evaluation of Qualifications" meeting held on June 23, 2016, the Competitive Selection Committee reviewed and ranked the twenty-one (21) proposals. The Competitive Selection Committee evaluated and ranked the firms in the order listed below. See attached Exhibit "G", "First-Tier Tabulation Sheet".

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
A&P Consulting Transportation Engineers Corp.	460 276	1	12	1
Black and Veatch Corporation	451 268	4	15	2
Kimley-Horn Associates,	457 278	1	19	3
Stantec Consulting Services Inc.	443 276	1	21	4
Jacobs Engineering Group, Inc.	450 272	2	23	- 5
Wade Trim, Inc.	446 275	3	25	6
EAC Consulting, Inc.	443 264	5	25	7
Parsons Brinkerhoff, Inc.	445 269	3	26	8
Tetra Tech, Inc.	446 264	5	26	9
CES Consultants, Inc.	438 263	5	29	10

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
King Engineering Associates, Inc.	442 265	4	31	11
Gannett Fleming, Inc.	439 262	6	34	12
Hazen and Sawyer, P.C.	.438 261	6	34	13
Parsons Water and Infrastructure, Inc.	434 259	7	34	14
Keith and Schnars, P.A.	433 258	16	35	15
T.Y. Lin International	428 253	8	39	16
BCC Engineering, Inc.	425 259	7	45	17
Woolpert, Inc.	426 254	7	46	18
A.D.A. Engineering, Inc.	425 · 252	9	47	19
CAS Engineering, Inc.	412 247	10	55	20
CSA Central, Inc.	399 239	10	60	N/A

The Competitive Selection Committee by majority vote decided not to hold a Second-Tier (Oral Presentation) meeting and recommended the following firms listed below to the County Mayor or County Mayor's designee for approval to negotiate a contract:

Group A (Ocean Outfall Legislation Projects)

- 1. A&P Consulting Transportation Engineers Corp.
- 2. Black and Veatch Corporation
- 3. Kimley-Horn Associates, Inc.
- 4. Stantec Consulting Services Inc.
- 5. Jacobs Engineering Group, Inc.
- 6. Wade Trim, Inc.

Group B (Non-Ocean Outfall Legislation Projects)

- 7. EAC Consulting, Inc.
- 8. Parsons Brinkerhoff, Inc.

On July 6, 2016, SBD completed its review for compliance with SBE measures as noted above and determined that twenty (20) firms were in compliance with the exception of CSA Central, Inc. See attached Exhibit "H", "SBD Compliance Review".

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 6

The Negotiation Committee was approved by the County Mayor's designee on July 27, 2016. See attached Exhibit "I", "Negotiation Authorization". On August 11, 2016, the Negotiation Committee met and concluded negotiations with Kimley-Horn and Associates, Inc.

SUBMITTAL DATE: March 11, 2016

ESTIMATED NOTICE TO PROCEED: December 30, 2016

A/E COMPANY: Kimley-Horn and Associates, Inc.

PRINCIPAL/COMPANY QUALIFIER: Russel Barnes

EMAIL ADDRESS: Brenda. Westhorp@kimley-horn.com
COMPANY ADDRESS: 1221 Brickell Avenue, Suite 400

Miami, Florida 33131

YEARS IN BUSINESS: 48 Years

# PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm History Report provided by the Internal Services Department, Division of Small Business Development, Kimley-Horn and Associates, Inc. has been awarded two (2) contracts with Miami-Dade County with a total contract value of \$280,000.00. See attached Exhibit "J", "Firm History Report".

Based on the Internal Services Department's CIIS database, Kimley-Horn and Associates, Inc. has twenty-three (23) evaluations with an average 3.5 rating out of a possible total 4.0 points. See attached Exhibit "K", "Contractor Evaluations Report".

# MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipelines transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting and construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team should demonstrate their successful design experience with trenchless technologies, including but not limited to micro-tunneling and horizontal directional drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 7

on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

CONTRACT MANAGER NAME/PHONE/EMAIL: Patty Palomo/786-552-8040/

Patty.Palomo@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: Victor Fernandez-Cuervo/786-268-5310/

Victor.Fernandez-Cuervo@miamidade.gov

#### BACKGROUND:

The Request to Advertise and the two Revisions to the Request to Advertise identified both water and wastewater projects that needed to be completed. WASD will be recommending a total of eight (8) firms under eight (8) separate professional services agreements. Six firms will work on large diameter sewer pipelines for Ocean Outfall legislation projects, and two (2) firms will on work on large diameter water pipelines for non-Ocean Outfall legislation projects. This Agreement with Kimley-Horn and Associates, Inc. is one of the six agreements that will be issued for wastewater projects.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has developed a Multi-Year Capital Improvement Program (CIP) to upgrade its infrastructure system throughout the County in order to renew and replace its existing deteriorated system and to ensure efficient, reliable water and wastewater systems throughout the County in order to accommodate future growth and development. WASD recognizes the need for design services for large pipeline design and implementation of critical projects which are an integral part of the CIP.

JENNIFER MOON

DATE

Approved as to legal sufficiency:

STUDIE FLAVETE DOUND

SARAH E. DAVIS

**ASSISTANT COUNTY ATTORNEY** 

11/21/16

. . . . .

LESTER SOLA ON BEHALF OF

COUNTY MAYOR CARLOS GIMENEZ

199

# EXHIBIT A



# Small Business Development Division

Project Worksheet

Project/Contract Titlet

Project/Contract No:

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN

Received Date: 11/25/2015

OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND

WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

B15-WASD-01

Resubmittel Date(s): Funding Sources

08/03/2015

Department:

WATER AND SEWER

WASD REVENUE BONDS

01/29/2015

SOLD

Estimated Cost of Project/Bid: \$44,000,000.00 Description of Project/Bid:

To establish a contract sceking three (3) engineering firms to provide engineering design and related services for the design of large diameter and waslewater pipelines for WASD's wastewater and water collection, transmission and distribution system.

	Measured Recommen	fatton	
Measure Goal	Program SBE/AE	Goal Percent 20,00%	
No Measure	SBE/GS	· · · · · · · · · · · · · · · · · · ·	

Transport Contract	· F. E. A. A. S. S. S. S. S. S. S. S. S. S. S. S. S.	36.37 花式 150	Linklinganh	YA't Merantifields	nton
The state of the state of the		Sec. 21 54 56 57 1	TI NOTE LAND ROWARD	191 Recommend	2000

This resubmittal increases the number agreements to be established from (3) to (8) and increases the overall contract amount from \$11 million to \$44

BIS-WASD-01 will establish eight (8) agreements at \$5.5 million each, a 10% confingency allowance included.

SMALL BUSINESS ENTERPRISE - ARCHITECTURAL & ENGINEERING (SBE/AB)

An analysis of the factors contained in the project package, as well as the factors contained in Section V. B. 2. C. of Implementing Order 3-32 and the responses of certified SBE/AB firms to the Verification of Availability to Propose process indicates that a 20% SBE/AE Sub-Consultant Goal is appropriate for this contract. Verification of Availability to propose letters were sent to the SBE/AE firms certified in the technical categories below. Three (3) or more firms did not respond to Verification of Availability process as being able to satisfy the contract's requirements.

SMALL BUSINESS ENTERPRISE - GOODS & SERVICES (SBE/GS)

An analysis of Implementing Order 3-41 & Ordinance 14-41, as well as the project package indicates a No Measure appropriate to the SBE/GS portion of this contract.

Commodity Code: 91812-Analytical Studies And Surveys (Consulting)

Technical Calegory, 0601-W & S Sewer Sys-Water Dist & Sanitary Sewage Coll, 1501-Surveying And Mapping-Land Surveying, 1600-General Civil Englacering; 1700-Engineering Construction Management

The state of the s	· · · · · · · · · · · · · · · · · · ·		% of fleura	
Subtrade W & S SEWER SYS-WATER DIST & SANITARY SEWAGE	Cat, see/Ae	Estimated Value \$3,080,000,00	to Base Bld . 7,00%	Availability
OLL JRVEYING AND MAPPING-LAND SURVEYING ENERAL CIVIL ENGINEERING NGINEERING CONSTRUCTION MANAGEMENT	SBB/AE SBB/AE SBB/AE SBB/OS	\$2,200,000.00 \$2,200,000.00 \$1,320,000.00	5,00% 5,00% 3,00%	,
	Cotal	\$8,800,000.00	20,00%	

Living Wages:	YES	<u> </u>	МО	X
Responsible Wagest	YES		МО	X

Responsible Wages and Benefits opplies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



# Small Business Development Division Project Worksheet

Project/Contract Title:

ENGINEBRING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

Received Date:

11/25/2015

Project/Contract No:

B15-WASD-01

Funding Source:

Resubmittal Date(s): 08/03/2015

Departments

WATER AND SEWER

WASD REVENUE BONDS

01/29/2016

SOLD

imated Cost of Project/Bid: \$44,000,000,00	POTE TO THE POTENTIAL POTE
	THEW REGOMMENDATION
Tier 1 Set Aside	Tier 2 Set Aside
Set Aside Level 1	Level 2 Level 3
Trade Set Aside (MCC)	Gual Bid Preference
No Measure	Deferred Solection Factor
CWF	SBD Director Date

# **EXHIBIT B**



# Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

ACCOUNT OF THIS SECTION M	UST BE COMPL	ETED BY PRIME F	ROPOSER/DESIGN BUILDER	国内国民主教的 驱伤						
From: Kimley-Horn and Associates, Inc.										
Na	ne of Prime Pr	roposer / Dosign-	Builder							
Small Business Enterprise — Architect percentage, if awarded the contract, of the projected work assignment(s) signing this Letter of Agreement the Ordinance No. 01-103 as amended.	nral & Engineer The undersigne to be performe	ing (SBE-A/E) firm and further certifies al upon execution consents to be both	D-01 , the undersigned hereby agreen listed below, performing the stated with that the firm has been contacted and pof the contract with Miami-Dade Cound by all the Provisions of the SBE-Good	ork at file stated properly apprised ity. Further, by						
	-14-40	<u> </u>		~						
Name of Certified SBE-A/E *Printe/Suli (SBE-A/E meeting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Calegories)	Percentage Amount of Design Fee						
Chen Moore and Associates	4424	3/31/18	16.00	10%						
I certify that the representations contained in this form are to the best of my knowledge true and accurate  Kimley-Horn and Associates, Inc.  Russell Barnes, P.E./Senior Vice President  January 29, 2016  Proposer's / Design Builder Signature  Proposer's / Design-Builder's Name/Title (Print)  COMPLETE THIS SECTION ONLY FOR DESIGN/EULD FROJECTS  I certify that the representations contained in this form are to the best of my knowledge true and accurate										
Lead A/E Firm Signature	T a	ead A/B Firm Nam	a/Tifle /Print) (O	ate)						
read typ that eighante	1.C	ead with little little	over true (* thirt)							
ACKNOWLED GMENT BY T	HE PROPOSI	ED SBE ARCI	SUBCONSULTANT  HTECTURAL & ENGINEERING roylde the required services, all license	FIRM						
certifications necessary to provide suc and the ability to otherwise meet the pr	di services, the	ability to provide	such services consistent with normal in	dustry practice,						
		October	15, 2015							
SBE-A/B Subschisultant Signatu	re	1	Date							
Peter Moore, DE., F.ASCE, LEED A	P	Presid	ent ·							
SBE-A/E Subconsultant Name (	Print)		Title							
Chen Moore and Associates			•							
Name of SBE-A/EFirm	List of Certified Fi	rms: <u>hilo://www.misin</u> ld	nde Economizate de Contra esta in configuração de Contra	•						
	Stitute Wakeitar hije	<u>-://www.migmidade.gov/</u>	smailluisiness/							

Small Business Development Division - Internal Services Department

SBD 105 (Revised 10/14)



# Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

THIS SECTION MU	ST BE COMPL	FIED BA EKIME	PROPOSER/DESIGN-BUILDER	
From: Kimley-Horn and As				
Nam	e of Prime P	roposer I Design	-Builder	
Small Business Enterprise – Architectur percentage, if awarded the contract. To of the projected work assignment(s) to	ral & Engineer he undersigne be performe	ring (SBE-A/E) fired further certifies dupon execution	D-01, the undersigned hereby agree m listed below, performing the stated w that the firm has been contacted and p of the contract with Miami-Dade Coun and by all the Provisions of the SBE-Goo	ork at the stated roperly apprised ty. Further, by
*Name of Proposed SBE-A/E Firm	<del></del>	<del></del> .	· · · · · · · · · · · · · · · · · · ·	<del></del>
Name of Certified SBE-A/E *Prime/Sub (SBE-A/B meeting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
Avino & Associates, Inc.	4061	02/28/2018	15.01 Surveying and Mapping	5%
Proposer's I Design Builder Signature  COMPLETE THIS SE  I certify that the representations contain  Lead A/E Firm Signature	Proposes	r's / Design-Buildo	f my knowledge true and accurate	e) '
<u> </u>		** -=		<u> </u>
The undersigned has reasonably uncon	E PROPOSE mitted capaci services, the	ED SBE — ARCH ity sufficient to prability to provide	HTECTURAL & ENGINEERING Interpretation of the required services, all licenses such services consistent with normal independent of the services of the	and technical
SBE A Subconsultant Signature	<del></del>		V 1 VV ( W	
Jørge R. Aviñó, PE, PSM, C	GC	Pre	esident	
SBE-A/E Subconsultant Name (Pr	int)		riție	
Avino & Associates, Inc. Name of SBE-A/E Firm	ist of Certified Fir.	ms: <u>http://www.miamid</u> s	de. gov/business/reports-certification-lists, asp	

SBD's Website: http://www.miamidade.gov/smallbusiness/



# Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

ISTRE COMPL	ETED BY PRIME	PROPOSER/DESIGN-BUILDER	
			•
	_	·	-
ral & Engineer The undersigned to be performed undersigned co	ing (SBE-A/E) fit ed further certifies d upon execution onsents to be bou	m listed below, performing the stated we that the firm has been contacted and pe of the contract with Miami-Dade Coun and by all the Provisions of the SBE-Goo	ork at the stated roperly apprised ty. Further, by
,			1 72 /
SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
12813	10/31/2017	6.01, 17.00, 16.00	5%
egionionia.	FOR DESIGN/BUI	IDIPROJECIS:	
Le	ad A/E Firm Nam	e/Title (Print) (Da	te)
ECOMPLETE	D BYTHE SBE-A/	E SUBCONSULTANT	
nmitted capaci a services, the oposal specifica	ity sufficient to pability to provide ations.	rovide the required services, all licenses such services consistent with normal inc	and technical
	pociates, Inc. The of Prime Propose Project Nursell Propose  SBE-A/E Certification Number  12813  ained in this for Russell Propose  Lee PROPOSI muitted capacital services, the	pociates, Inc.  The of Prime Proposer / Designative Project Number B15-WAS  Brail & Bngineering (SBE-A/E) fit The undersigned further certifies to be performed upon execution undersigned consents to be boundered by the performed upon execution undersigned consents to be boundered by the performed upon execution undersigned consents to be boundered by the performed upon execution undersigned consents to be boundered by the performed upon execution Expiration Date    SBE-A/E   SBE-A/E   Certification   Repiration Date	ne of Prime Proposer / Design-Builder  S Project Number

SBD's Website; http://www.miamidade.gov/smallbusiness/

Small Business Development Division - Internal Services Department

SBD 105 (Revised 10/14)

# **EXHIBIT C**

# FY 2016 - 17 Proposed Budget and Multi-Year Capital Plan

	<del></del>								
UPGRADE OF MIAMI SPRINGS PU DESCRIPTION: Upgrade electr	JMP STATIONS Ilcal control panel:				G(GOB)	PROJE	ECT#: 96	7730	
: LOCATION: Various Sites Various Sites	•	District Located: District(s) Served:					фе		
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
BBC GOB Financing	20	40	111	100	0	0	` 0	0	271
BBC GOB Series 2008B-1	559	0	0	0	0	, 0	0	0	559
BBC GOB Serles 2011A	8	0	0	0	. 0	0	. 0	0	8
TOTAL REVENUES:	587	40	111	100	0.	0	. 0	0	838
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	587	40	111	100	0	0	0	0	838
TOTAL EXPENDITURES:	587	40	111	100	. 0	. 0	0	0	838
	į.								
WASTEWATER COMMERCIAL CO						PROJE	ECT#: 96	8090	
DESCRIPTION: Install new sew LOCATION: Various Sites	ver service to com	ittietorar hiohe		ict Located:		TBD			
	aml-Dade County			ict(s) Served:		TBD			
	,			'',					
				•					
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds .	0	561	882	435	5,364	5,859	3,000	134,493	150,594
WASD Revenue Bonds Sold	3,319	00	0	0	0	0	0	0	3,319
TOTAL REVENUES:	3,319	561	882	435	5,364	· 5,859	3,000	134,493	153,913
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	2,656	449	706	348	4,291	4,687	2,400 120	107,594 5,380	123,131
Land Acquisition/Improvements Planning and Design	· 132 531	22 90	35 141	17 70	215 858	234 938	480	21,519	. 6,155 24,627
TOTAL EXPENDITURES:	3,319	561	882	435	5,364	5,859	3,000	134,493	153,913
TOTAL EXPENDITURES:	3,315	501		. 430	J <sub>1</sub> J04	a <sub>1</sub> 003 /	2,000	1941490	100,010
	•		•	ı					•
WASTEWATER COLLECTION AND	TRANSMISSI	ON LINES.	CONSENT			PROJE	CT#: 98	8150	
	ict, and rehabilitat			on Infrastructu	re lines to con				
LOCATION: Various Sites				ct Located:		Countywic	le		
· · Throughout Mis	iml-Dade County		Distri	ot(s) Served:		Countywlo	le		
4								•	
revenue courbui E.	DDIOD	node dz	ባለት ላይ	2049 40	. ากสถาก	วกรก ระ	2024 22	FUTURE	TOTAL
REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 78,223	2016-17 7,223	2017-18 54,200	2018-19 42,277	2019-20 20,770	2020 <b>-21</b> 15,024	<b>2021-22</b> 15,273	136,984	,369,974
WASD Revenue Bonds Sold	42,645	7,223	04,200	0	20,770	0	0	150,004	42,645
Wastewater Connection Charges	16,489	4,964	Ō	ō	0	0	ō	0	21,453
Wastewater Renewal Fund	8,082	0	0	0	0	. 0	0	0	8,082
TOTAL REVENUES:	145,439	12,187	54,200	42,277	20,770	15,024	15,273	136,984	442,154
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	92,876	47,411	48,238	37,627	18,485	13,371		121,916	393,517
Major Machinery and Equipment	7,304	3,729	3,794	2,959	1,454	1,052	1,069	9,589	30,950
Planning and Design									
TOTAL EXPENDITURES:	4,175	2,131 53,271	2,168 54,200	1,691 / 42,277	831 20,770	601 15,024	611 15,273	5,479 136,984	17,687 442,154



#### WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS PROJECT #: 968750 DESCRIPTION: Replace and install new pipelines in areas requiring service improvements District Localed; Systemwide Various Sites LOCATION: Systemwide Various Sites District(s) Served: **FUTURE** TOTAL 2016-17 2019-20 2020-21 2021-22 REVENUE SCHEDULE: PRIOR 2017-18 2018-19 1,438 0 0 WASD Revenue Bonds Sold 1,438 0 0 3,000 3,000 3,000 3,000 28,933 Wastewater Renewal Fund 10,933 0 3,000 3,000 3,000 30,371 3,000 3,000 3,000 12,371 3,000 3,000 0 TOTAL REVENUES: 2021-22 **FUTURE** TOTAL. EXPENDITURE SCHEDULE: PRIOR 2017-18 2018-19 2019-20 2020-21 2016-17 30,371 3,000 3,000 3,000 3,000 3,000 3,000 3,000 Construction 9,371 3,000 30,371

3,000

3,000

MIAMI SPRINGS CONSTRUCTION FUN	ID. WASTEWATER
MIAMI SERINGS CONSTRUCTION FOR	IN . MUDITURIATION

TOTAL EXPENDITURES:

PROJECT#: 969110

3,000

1

Construct wastewater collection system improvements in Miami Springs

9,371

Mami Springs LOCATION:

District(s) Served: Mlaml Springs

3,000

District Located: 6 6

3,000

3,000

REVENUE SCHEDULE: Mlaml Springs Wastewater Construction Fund	PRIOR 1,326	2016-17 0	2017-18 0	2018-19 0	<b>2019-2</b> 0 0	2020 <b>-2</b> 1 0	2021-22 0	FUTURE 0	TOTAL 1,326
TOTAL REVENUES:	1,326	0	0	0	0	0	0	~ 0	1,326
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	866	148	312	0	0	Ó	0	0	1,326
TOTAL EXPENDITURES:	866	148	312	0	0	0	0	0	1,326

## WATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

9610960 PROJECT #:

DESCRIPTION: Upgrade water treatment plants to meet regulatory requirements

Water Treatment Plants District Located: LOCATION:

Systemwide Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,500	8,032	7,366	127	0	D	0	18,025
WASD Revenue Bonds Sold	2,934	Ò	Ò	D	0	.0	D	0	2,934
Water Construction Fund	344	0	0	0	0	0	0	0	344
Water Renewal and Replacement Fund	335	0	0	0	0	0	0	0	335
TOTAL REVENUES:	3,613	2,500	8,032	7,366	127	0	0	0	21,638
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3.578	2,475	7,952	7,292	125	0	0	0	21,422
Planning and Design	35	25	80	74	2	0	0	0	216
TOTAL EXPENDITURES:	3,613	2,500	8,032	7,366	127	0	0.	0	21,638



GRAVITY SEWER R		21	a. Len e				PROJE	ECT#: 96	50201	
DESCRIPTION: LOCATION;	Rehabilitate grav Systemwide 'Various Sites	ity sewers to re	ouce Infiltratio	, Dlstr	ict Localed; lct(s) Served;		Syslemwl Syslemwl			
REVENUE SCHEDULE	<b>:-</b>	PRIOR	2016-17	- 2017 <b>-1</b> 8	2018-19	2019-20	2020-21	2021-22	Future	TOTAL
Future WASD Revenu WASD Revenue Bond	ie Bonds	3,670 5,153	1,376	1,258 0	1,050 0	650 0	350 . 0	224 0	0 '	8,578 5,153
TOTAL REVENUES:	, =	8,823	1,376	1,258	1,050	650	350	224	0	13,731
EXPENDITURE SCHE	DULE:	PRIOR 8,381	2016-17 1,307	2017-18 1,195	2018-19 998	2019-20 618	2020-21	2021-22 213	FUTURE 0	TOTAL 13,045
Planning and Design	=	442	69	63	52	32	17	,11	- 0	686
TOTAL EXPENDITURE	ES:	8,823	1,376	1,258	1,050	650	350	224	0	13,731
										•
SANITARY SEWER DESCRIPTION:	SYSTEM IMPRO Construct sanitar districts		Improvemen	ts using funds	from the speci	(al constructio	PROJE on fund includi	-	<b>350221</b> dog	
LOCATION:	Systemwide Various Sites		. •		ict Localed; ict(s) Served;		Syslemwi Syslemwi			
						•				
REVENUE SCHEDULE Wastewater Special Co		PRIOR 50,380	2016-17 0	2017-18 0	2018-19 0	2019 <b>-</b> 20 0	2020-21 0	2021-22 0	FUTURE.	TOTAL 50,380
TOTAL REVENUES:	E-	50,380	0	0	0	0	0	0	Û	50,380
EXPENDITURE SCHEL . Construction	OULE;	PRIOR 5,288	2016-17 2,500	<b>2017-18</b> 2,500	2018-19 2,500	2019-20 2,500	2020-21 2,500	2021-22 32,592	FUTURE 0	TOTAL 50,380
TOTAL EXPENDITURE	:S:	5,288	2,500	2,500	2,500	2,500	. 2,500	32,592	0	50,380
CENTRAL MIAMI-DA IMPROVEMENTS DESCRIPTION: LOCATION:	Construct a force from Mlami Beach Wastewater Syste City of Mami	main crossing i 1 to the Central	Bear Cut, a fo District Waste	rce main in Fl ewater Trealm Distri	agler St from S	··	PROJE SW 10 Ave, a Systemwle Systemwle	and a force ma de	<b>50241</b> ain	·
•	. Слу от гувант			Þísiti	oda) odreda		O) a loi ((Mi	10		
REVENUE SCHEDULE: Future WASD Revenue WASD Future Funding WASD Revenue Bonds	Bonds	PRIOR . 1,132 0 6,505	2016-17 7,127 0 0	2017-18 17,360 0	2018-19 17,450 0 0	2019-20 18,583 0 0	202 <b>0-2</b> 1 19 <sub>1</sub> 421 - 0 0	2021-22 13,430 10 0	FUTURE 55,256 828 0	TOTAL 149,758 828 6,505
Wastewater Connectlor		13,352	6,132	4,000	5,000	5,000	7,000	7,000	17,732	65,216
TOTAL REVENUES:	, =	20,989	13,259	21,360	22,450	23,583	26,421	20,430	73,815	222,307
EXPENDITURE SCHED	ULĖ:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		10,010 `	9,419	17,377	17;673	19,717	21,601 -	17,570	77,816	191,183
Planning and Design	_	1,629	1,533	2,830	2,877	3,210	3,517	2,860	12,668	31,124
TOTAL EXPENDITURES	5;	11,639	10,952	20,207	20,550	22,927	25,118	20,430	90,484	222,307

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$2,253,000

PROJECT #: 9650271

WATER GENERAL MAINTENANCE AND OFFICE FACILITIES

DESCRIPTION: Construct regional general maintenance centers, office facilities, and storage warehouses Systemwide

LOCATION:

District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

•									
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,335	2016-17 8,520 0	2017-18 11,759 0	2018-19 11,192 0	2019-20 5,637 0	2020-21 18,040 0	2021-22 349 0	FUTURE 0 0	TOTAL 55,497 1,335
TOTAL REVENUES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,832
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,201	7,668	10,583	10,073	5,073	16,236	314	0	51,148
Planning and Design	134	. 852	1,176	1,119	564	1,804	35	0	5,684
TOTAL EXPENDITURES:	1,335	8,520	11,759	11,192	5,637	18,040	349	. 0	56,832

#### WASTEWATER EQUIPMENT AND VEHICLES

PROJECT #:

9650301

DESCRIPTION:

Acquire vehicles, equipment, and associated wastewater system capital support materials

LOCATION: Systemwide District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE; WASD Revenue Bonds Sold Wastewater Renewal Fund	PRIOR 552 41,380	2016-17 0 12,436	2017-18 - · 0 11,500	2018-19 0 11,500	2019-20 0 11,500	2020-21 0 11,500	2021-22 0 11,500	FUTURE 0 11,500	TOTAL, 552 122,816
TOTAL REVENUES:	41,932	12,436	11,500	11,500	11,500	11,500	11,500	11,500	123,368
EXPENDITURE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Major Machinery and Equipment	35,875	18,493	11,500	11,500	11,500	11,500	11,500	11,500	123,368
TOTAL EXPENDITURES:	35,875	18,493	11,500	11,500	11,500	11,500	11,500	11,500	123,368

# WASTEWATER SYSTEM MAINTENANCE AND UPGRADES

PROJECT #: 9650361

DESCRIPTION:

Maintain and develop existing wastewater system facilities, structures, and equipment

LOCATION:

District Located;

Systemwide Various Sites

District(s) Served:

Systemwide Systemwide

		•	•						
REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
WASD Revenue Bonds Sold	3,188	0	. 0	0	0	0	0	0	3,188
Wastewater Renewal Fund	38,387	18,428	20,000	20,000	20,000	20,000	20,000	20,000	176,815
TOTAL REVENUES:	41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003
TOTAL EXPENDITURES:	41,575	18,428	20,000	20,000	20,000	20,000	20,000	20,000	180,003

LOCATION: Systemwide Various Sites \	and upgrade exl		ns throughout Distri	/EMENTS the wastewate of Located; ot(s) Served;	er system	PROJE Systemwid Systemwid	e	50371	
REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 650 2,009	2016-17 2,500 0	2017-18 3,058 0	2018-19. 4,500 0	2019-20 4,049 0	2020-21 . 4,500 0	2021-22 4,172 0	FUTURE -29,000 0	TOTAL 52,429 2,009
Wastewater Renewal Fund	6,344	0	2,000	2,000	2,000	2,000	2,000	2,000	18,344
TOTAL REVENUES:	9,003	2,500	5,058	6,500	6,049	6,500	6,172	31,000	72,782
EXPENDITURE SCHEDULE: Construction	PRIOR - 6,798	2016-17 1,946 358	2017-18 3,844 708	2018-19 4,940 910	2019-20 4,597 847	2020-21 4,940 910	2021-22 4,690 864	FUTURE 23,560 4,340	TOTAL 55,315 10,188
Land Acquisition/Improvements Planning and Design	1,251 894	256	506	650	605	650	618	3,100	7,279
TOTAL EXPENDITURES: Estimated Annual Operating in	8,943	2,560	5,05B	6,500 nt of \$5,000,00	6,049 00 -	6,500	6,172	31,000	72,782
WATER MAIN EXTENSIONS DESCRIPTION: Construct water in LOCATION: Systemwide Various Sites	πain extensions	, funded from	Distri	nstruction fund ct Located; ct(s) Served;	i, including sp	PROJE eclal taxing di Systemwi Systemwi	stricts ie	51051	
REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19 1,000	2019-20 1,000	2020-21 2,000	2021 <b>-</b> 22 2,000	FUTURE . 0	TOTAL 14,682
Water Special Construction Fund	7,087 7,087	595 595	1,000	1,000	1,000	2,000	2,000	0	14,682
	1,001	Jau	1,000	1,000	1,000	2,000		•	
TOTAL REVENUES:	4 DDIOD	2016-17	2017-18	2018-19	2019,20	2020-21	2021-22	FUTURE	,
EXPENDITURE SCHEDULE:	PRIOR 6,182	2016-17 1,500	2017-18 1,000	2018-19 1,000	. 2019-20 1,000	2020-21 2,000	2021-22 2,000	FUTURE 0	TOTAL 14,682
	PRIOR 6,182 6,182	2016-17 1,500 1,500	2017-18 1,000 1,000	2018-19 1,000 1,000					TOTAL
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES: SOUTH DISTRICT WASTEWATER T	6,182 6,18 <b>2</b>	1,500 1,500	1,000 1,000	1,000 1,000	1,000	2,000	2,000 2,000	. 0	TOTAL 14,682
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:	6,182 6,182 RANSMISSIC	1,500 1,500 N MAINS A	1,000 1,000 ND PUMP S n number 536	1,000 1,000 TATIONS	1,000 1,000	2,000 2,000 PROJE	2,000 2,000 ECT#: 96	0	TOTAL 14,682
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:  SOUTH DISTRICT WASTEWATER T IMPROVEMENT'S DESCRIPTION: Construct piping LOCATION: Wastewater Syst Various Sites  REVENUE SCHEDULE:	6,182 6,182 RANSMISSIC Improvements tem - South Dist	1,500 1,500 N MAINS A o pump statto rict Area	1,000 1,000 ND PUMP S In number 536 Distri	1,000 1,000 TATIONS and force ma ot Located: cl(s) Served:	1,000 1,000 in upgrade in 2019-20	2,000 2,000 PROJE SW 117 Ave Systemwi Systemwi 2020-21	2,000 2,000 ECT #: 96 de de	0 0 51061 FUTURE	TOTAL 14,682 14,682
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:  SOUTH DISTRICT WASTEWATER T IMPROVEMENT'S DESCRIPTION: Construct piping LOCATION: Wastewater Syst Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds	6,182 6,182 RANSMISSIC Improvements tem - South Dist PRIOR 1,962	1,500 1,500 N MAINS A o pump statto rict Area	1,000 1,000 ND PUMP S In number 536 Distrit Distrit 2017-18 18,269	1,000 1,000 TATIONS and force ma ot Located: cl(s) Served: 2018-19 23,917	1,000 1,000 in upgrade in 2019-20 28,324	2,000 2,000 PROJE SW 117 Ave Systemwi Systemwi 2020-21 23,162	2,000 2,000 ECT #: 96 de de 2021-22 17,911	0 0 51061 FUTURE 150,934	TOTAL 14,682 14,682 TOTAL 282,691
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:  SOUTH DISTRICT WASTEWATER T IMPROVEMENT'S DESCRIPTION: Construct piping LOCATION: Wastewater Syst Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding	6,182 6,182 RANSMISSIC Improvements tem - South Dist	1,500 1,500 N MAINS A o pump statto rict Area	1,000 1,000 ND PUMP S In number 536 Distri	1,000 1,000 TATIONS and force ma ot Located: cl(s) Served:	1,000 1,000 in upgrade in 2019-20	2,000 2,000 PROJE SW 117 Ave Systemwi Systemwi 2020-21	2,000 2,000 ECT #: 96 de de	0 0 51061 FUTURE	TOTAL 14,682 14,682
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:  SOUTH DISTRICT WASTEWATER T IMPROVEMENT'S DESCRIPTION: Construct piping LOCATION: Wastewater Syst Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds	6,182 6,182 RANSMISSIC Improvements tem - South Dist PRIOR 1,962 0	1,500 1,500 N MAINS A o pump statto rict Area 	1,000 1,000 1,000 ND PUMP S In number 536 Distrit Distrit 2017-18 18,269 0	1,000 1,000 TATIONS and force ma ot Located: cl(s) Served: 2018-19 23,917 0	1,000 1,000 in upgrade in 2019-20 28,324 0	2,000 2,000 PROJE SW 117 Ave Systemwi Systemwi 2020-21 23,162 0	2,000 2,000 ECT #: 96 de de 2021-22 17,911	0 0 51061 FUTURE 150,934 24,390	TOTAL 14,682 14,682 TOTAL 282,691 24,390
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:  SOUTH DISTRICT WASTEWATER T IMPROVEMENT'S DESCRIPTION: Construct piping LOCATION: Wastewater Syst Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	6,182  6,182  RANSMISSIC  Improvements tem - South Dist  PRIOR 1,962 0 1,360	1,500 1,500 N MAINS A p pump statlor rict Area 2016-17 8,212 0	1,000 1,000 1,000 ND PUMP S n number 536 Distri Distri 2017-18 18,269 0	1,000 1,000 TATIONS and force ma lot Located: icl(s) Served: 2018-19 23,917 0 0	1,000 1,000 in upgrade in 2019-20 28,324 0 0	2,000 2,000 PROJE SW 117 Ave Systemwi Systernwi 2020-21 23,162 0	2,000 2,000 ECT #: 96 de de 2021-22 17,911 0	0 0 51061 FUTURE 160,934 24,390 0	TOTAL 14,682 14,682 14,682 14,682 282,691 24,390 1,360 308,441 TOTAL
EXPENDITURE SCHEDULE: Construction TOTAL EXPENDITURES:  SOUTH DISTRICT WASTEWATER T IMPROVEMENT'S DESCRIPTION: Construct plping LOCATION: Wastewater Syst Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold TOTAL REVENUES:	6,182  6,182  RANSMISSIC  Improvements tem - South Dist  PRIOR 1,962 0 1,360 3,322	1,500 1,500 N MAINS A D pump statto nict Area 2016-17 8,212 0 0 8,212	1,000 1,000 1,000 ND PUMP S n number 536 Distri Distri 2017-18 18,269 0 0	1,000 1,000 TATIONS and force ma lot Located: icl(s) Served: 2018-19 23,917 0	1,000 1,000 in upgrade in 2019-20 28,324 0 0	2,000  2,000  PROJE SW 117 Ave Systemwi Systemwi 2020-21 23,162 0 0 23,162	2,000 2,000 ECT #: 96 de de 2021-22 17,911 0 0	0 0 51061 FUTURE 160,934 24,390 0	TOTAL 14,682 14,682 TOTAL 282,691 24,390 1,360 308,441

17,911

185,324

308,441

23,162

18,269

23,917

28,324

8,212

3,322

TOTAL EXPENDITURES:

PUMP STATION IMPROVEMENTS F			•			PROJE	CT#: 96	51071	•
DESCRIPTION: Upgrade pump s LOCATION: Systemwide Various Sites	stations systemw	•	Systemwic Systemwic						
								i.	
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	46,205	12,545	27,085	27,972	4,611	4,536	4,536	166,312	293,802
WASD Revenue Bonds Sold	13,450	. 0	0	0	. 0	0 0	. 0	0	13,450
Wastewater Connection Charges	13,000	11,300	7,000	8,056	0			166,312	39,356
TOTAL REVENUES:	72,655	23,845	34,085	36,028	4,611	4,536	4,536		346,608
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21 4,082	2021-22 4,082	FUTURE . 149,681	`TOTAL 311,948
Construction	51,197 500	29,174	30,716	31,620 352	11,394 127	46	4,002	1,663	3,468
Land Acquisition/Improvements Major Machinery and Equipment	568 569	324 324	342 341	352 351	126	45	45	1,663	3,464
Planning and Design	4,551	2,593	2,731	2,811	1,013	363	363	13,305	27,730
TOTAL EXPENDITURES:	56,685	32,415	34,130	35,134	12,660	4,536	4,536	166,312	346,608
TOTAL ZAI LADITURALO.	221000	02,110	01,100	33,121	1,	1	•	<b>.</b>	
PUMP STATION GENERATORS AN	ID MISCELLAI	VEOUS UPO	GRADES			PROJE	CT#: 96	52002	
DESCRIPTION; Install emergend	oy generators an	d construct mi			istewater pun				
LOCATION: Systemwide		•		ict Located; lct(s) Served;	<b>-</b> ,	Systemwle Systemwle			
Varlous Sites			Djoq	odo) sarrour		-,			•
								erretro e	T0711
DEVENUE SCHEDULE.	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	JOIAL
	PRIOR 1.754	2016-17 3.675	2017-18 7.194	2018-19 16.024	2019-20 13,806	2020-21 49,735 ·	2021-22	351	
Future WASD Revenue Bonds	PRIOR • 1,754 649	2016-17 3,675 0	2017-18 7,194 0	2018-19 16,024 0	2019-20 13,806 0	2020-21 49,735 · 0			104,419
Future WASD Revenue Bonds WASD Revenue Bonds Sold	· 1,754 649	3,675	7,194	16,024	13,806	49,735	11,880	351	104,419 649
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES:	1,754 649 2,403	3,675 0 3,675	7,194 0	16,024 0	13,806	49,735 · 0	11,880 0	351 0	104,419 649 105,068
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE:	1,754 649 2,403 PRIOR	3,675 0 3,675 2016-17	7,194 0 -7,194	16,024 0 16,024	13,806 0 13,806	49,735 · 0 49,735	11,880 0 11,880	351 0 351	104,419 649 105,068 TOTAL
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES;	1,754 649 2,403	3,675 0 3,675	7,194 0 -7,194 2017-18	16,024 0 16,024 2018-19 13,139 481	13,806 0 13,806 2019-20 11,321 414	49,735 0 49,735 2020-21 40,783 1,492	11,880 0 11,880 2021-22 9,742 356	351 0 351 FUTURE 288 10	104,419 649 105,068 TOTAL 86,155 3,152
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction	1,754 649 2,403 PRIOR 1,969	3,675 0 3,675 2016-17 3,014	7,194 0 7,194 2017-18 5,899	16,024 0 16,024 2018-19 13,139	13,806 0 13,806 2019-20 11,321	49,735 0 49,735 2020-21 40,783	11,880 0 11,880 2021-22 9,742	351 0 351 FUTURE 288 10 53	104,419 649 105,068 TOTAL 86,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design	- 1,754 649 2,403 PRIOR 1,969 73	3,675 3,675 2016-17 3,014 110	7,194 0 -7,194 2017-18 5,899 216	16,024 0 16,024 2018-19 13,139 481	13,806 0 13,806 2019-20 11,321 414	49,735 0 49,735 2020-21 40,783 1,492	11,880 0 11,880 2021-22 9,742 356	351 0 351 FUTURE 288 10	104,419 649 105,068 TOTAL 85,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design	1,754 649 2,403 PRIOR 1,969 73 361	3,675 0 3,675 2016-17 3,014 110 551	7,194 0 -7,194 2017-18 5,899 216 1,079	16,024 0 16,024 2018-19 13,139 481 2,704	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460	11,880 0 11,880 2021-22 9,742 356 1,782	351 0 351 FUTURE 288 10 53	104,419 649 105,068 TOTAL 85,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;	1,754 649 2,403 PRIOR 1,969 73 361 2,403	3,675 0 3,675 2016-17 3,014 110 551 3,675	7,194 0 7,194 2017-18 5,899 216 1,079 7,194	16,024 0 16,024 2018-19 13,139 481 2,704	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460	11,880 0 11,880 2021-22 9,742 356 1,782 11,880	351 0 351 FUTURE 288 10 53	104,419 649 105,068 TOTAL 85,155 3,152 15,761
WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Mejor Machinery and Equipment Planning and Design TOTAL EXPENDITURES; WASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew	- 1,754 649 2,403 PRIOR 1,969 73 361 2,403	3,675 0 3,675 2016-17 3,014 110 551 3,675	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req	16,024 0 16,024 2018-19 13,139 481 2,404 16,024	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735	11,880 0 11,880 2021-22 9,742 356 1,782 11,880	351 0 351 FUTURE 288 10 53 351	104,419 649 105,068 TOTAL 85,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES; WASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Treatment	- 1,754 649 2,403 PRIOR 1,969 73 361 2,403	3,675 0 3,675 2016-17 3,014 110 551 3,675	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req	16,024 0 16,024 2018-19 13,139 481 2,704 16,024	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE	11,880 0 11,880 2021-22 9,742 356 1,782 11,880	351 0 351 FUTURE 288 10 53 351	104,419 649 105,068 TOTAL 85,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew	- 1,754 649 2,403 PRIOR 1,969 73 361 2,403	3,675 0 3,675 2016-17 3,014 110 551 3,675	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req	16,024 0 16,024 2018-19 13,139 481 2,404 16,024	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735	11,880 0 11,880 2021-22 9,742 356 1,782 11,880	351 0 351 FUTURE 288 10 53 351	104,419 649 105,068 TOTAL 85,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Treatment	- 1,754 649 2,403 PRIOR 1,969 73 361 2,403	3,675 0 3,675 2016-17 3,014 110 551 3,675	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req	16,024 0 16,024 2018-19 13,139 481 2,704 16,024	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE	11,880 0 11,880 2021-22 9,742 356 1,782 11,880	351 0 351 FUTURE 288 10 53 351	104,419 649 105,068 TOTAL 86,155 3,152 15,761
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Treat Various Sites	- 1,754 649 2,403 PRIOR 1,969 73 361 2,403	3,675 0 3,675 2016-17 3,014 110 551 3,675	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req	16,024 0 16,024 2018-19 13,139 481 2,704 16,024	13,806 0 13,806 2019-20 11,321 414 2,071	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CT #: 96	351 0 351 FUTURE 288 10 53 351	104,419 649 105,068 TOTAL 86,155 3,152 15,761 105,068
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Treat Various Sites  REVENUE SCHEDULE:	2,403 PRIOR 1,969 73 361 2,403  TS MISCELLA vater treatment plants	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements of Located: ct(s) Served;	13,806 0 13,806 2019-20 11,321 414 2,071 13,806	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwice Systemwice	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CT #: 96 de de	351 0 351 FUTURE 288 10 53 351 52061	104,419 649 105,068 TOTAL 86,155 3,152 15,761 105,068
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Treat Various Sites  REVENUE SCHEDULE:	1,754 649 2,403 PRIOR 1,969 73 361 2,403  TS MISCELLA vater treatment plants PRIOR 0 0	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri Distri	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements of Located: ci(s) Served: 2018-19 289 0	13,806 0 13,806 2019-20 11,321 414 2,071 13,806 2019-20 3,783 0	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwice Systemwice 2020-21 160 0	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CT #: 96 de de	351 0 351 FUTURE 288 10 53 351 52061	104,419 649 105,069 TOTAL 86,155 3,152 15,761 105,068 TOTAL 6,457 6,593
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Trea Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds	1,754 649 2,403 PRIOR 1,969 73 361 2,403  TS MISCELLA vater treatment plants PRIOR 0	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements of Located: ci(s) Served:	13,806 0 13,806 2019-20 11,321 414 2,071 13,806 2019-20 3,783 0	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwice Systemwice 2020-21 160 0	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CCT #: 96 de 2021-22 907 0	351 0 351 FUTURE 288 10 53 351 52061 FUTURE 0 6,593 0	104,419 649 105,068 TOTAL 86,155 3,152 15,761 105,068 TOTAL 6,457 6,593 1,250
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES: EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES:  WASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Trea Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	1,754 649 2,403 PRIOR 1,969 73 361 2,403  TS MISCELLA vater treatment plants PRIOR 0 0	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri Distri	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements of Located: ci(s) Served: 2018-19 289 0	13,806 0 13,806 2019-20 11,321 414 2,071 13,806 2019-20 3,783 0	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwice Systemwice 2020-21 160 0	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CT #: 96 de de	351 0 351 FUTURE 288 10 53 351 52061	104,419 649 105,068 TOTAL 86,155 3,152 15,761 105,068 TOTAL 6,457 6,593 1,250
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Trea Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold TOTAL REVENUES;	1,754 649 2,403 PRIOR 1,969 73 361 2,403 TS MISCELLA vater treatment p atment Plants PRIOR 0 0 1,250	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri Distri	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements of Located: ct(s) Served: 2018-19 289 0	13,806 0 13,606 2019-20 11,321 414 2,071 13,806 2019-20 3,793 0 0 0	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwid Systemwid 2020-21 160 0 0	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CCT #: 96 de de 2021-22 907 0 0	351 0 351 FUTURE 288 10 53 351 52061 FUTURE 0 6,593 0 6,593 FUTURE	104,419 649 105,068 TOTAL 88,155 3,152 15,761 105,068 TOTAL 6,457 6,593 1,250 14,300 TOTAL
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  NASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Trea Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE; Construction	1,754 649 2,403 PRIOR 1,969 73 361 2,403 TS M/SCELLA vater treatment patiment Plants PRIOR 0 0 1,250	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet 2016-17 619 0 0 619 2016-17 582	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri Distri 2017-18 689 0 0 689 2017-18 648	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements ct Located: ct(s) Served: 2018-19 289 0 0 289 2018-19 272	13,806 0 13,806 2019-20 11,321 414 2,071 13,806 2019-20 3,793 0 0 3,793 2019-20 3,666	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwid Systemwid 2020-21 160 0 0	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CCT #: 96 de de 2021-22 907 0 0 907 2021-22 852	351 0 351 FUTURE 288 10 53 351 52061 FUTURE 0 6,593 0 6,593 FUTURE 6,198	104,419 649 105,068 TOTAL 88,155 3,152 15,761 105,068 TOTAL 6,457 6,593 1,250 14,300 TOTAL 13,443
Future WASD Revenue Bonds WASD Revenue Bonds Sold TOTAL REVENUES: EXPENDITURE SCHEDULE: Construction Major Machinery and Equipment Planning and Design TOTAL EXPENDITURES;  WASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew LOCATION: Wastewater Tree Various Sites  REVENUE SCHEDULE: Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold TOTAL REVENUES; EXPENDITURE SCHEDULE;	1,754 649 2,403 PRIOR 1,969 73 361 2,403  TS M/SCELLA vater treatment patiment Plants  PRIOR 0 1,250 1,250 PRIOR	3,675 0 3,675 2016-17 3,014 110 551 3,675 ANEOUS UP lants to meet	7,194 0 7,194 2017-18 5,899 216 1,079 7,194 PGRADES regulatory req Distri Distri 2017-18 689 0 0	16,024 0 16,024 2018-19 13,139 481 2,704 16,024 ulrements ct Located: ct(s) Served; 2018-19 289 0 0	13,806 0 13,606 2019-20 11,321 414 2,071 13,806 2019-20 3,793 0 0 0	49,735 0 49,735 2020-21 40,783 1,492 7,460 49,735 PROJE Systemwid Systemwid 2020-21 160 0 0	11,880 0 11,880 2021-22 9,742 356 1,782 11,880 CCT #: 96 de de 2021-22 907 0 0	351 0 351 FUTURE 288 10 53 351 52061 FUTURE 0 6,593 0 6,593 FUTURE	TOTAL 104,419 649 105,068 TOTAL 86,155 3,152 15,761 105,068 TOTAL 6,457 6,593 1,250 14,300 TOTAL 13,443 857

NORTH MIAMI-DADE IMPROVEMENTS	s and pum	IP STATION	\$	PROJECT #: 9652101						
DESCRIPTION: LOCATION;	Improve pump sta Wastewater Systa Various Sites			Distr	lct Located: lct(s) Served:		Systemwl Systemwl		, ·	
•										
REVENUE SCHEDULE	*	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	IATOT
Fulure WASD Revenue	e Bonds	2,948	6,843	20,257	21,429	, 22,363	33,306	45,823	357,640	510,60
WASD Future Funding		0	. 0	D	o o	0 0	. O	0	599,197 0	599,19 44
WASD Revenue Bonds Wastewater Connection		447 727	. 0 1,080	. 0 1,068	ں 2,781	4,696	0	0	. 0	10,35
		4,122		21,325	24,210	27,059	33,306	45,823	956,837	1,120,60
TOTAL REVENUES:		•	7,923						FUTURE	TOTA
EXPENDITURE SCHED  Construction	OULE:	PRIOR 3,421	2016-17 6,576	2017-18 17,699	2018-19 20,094	2019-20 22,459	2020-21 27,644	2021-22 38,033	794,175	930,10
Planning and Design		701	1,347	3,626	4,116	4,600	5,662	7,790	162,662	190,50
TOTAL EXPENDITURE	Ç₁ ′	4,122	7,923	21,325	. 24,210	, 27,059		45,823	956,837	1,120,60
	nnual Operating fo				-	-	,	•	,	, , , , , , , , , , , , , , , , , , ,
NASTEWATER TELE							PROJE		52481	
DESCRIPTION:	Install a computer	system to moi	nitor and cont			essures at var				
LOCATION:	Systemwide				ict Located:		Systemwi		•	
	Various Sites			Distr	ct(s) Served:		Systemwl	de ,		
					•	,				
REVENUE SCHEDULE:		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021 <b>-</b> 22	FUTURE	TOTA
Future WASD Revenue		700	579	0	0	۵	. D	0	0	1,2
WASD Revenue Bonds		1,376	` 0	0	0	0	. 0	0	0	1,37
Wastewater Renewal Fi	und =	2,432	0	500	500	500	-500	500	500	5,43
TOTAL REVENUES:		4,508	579	. 500	, 500	500	500	500	500	8,08
EXPENDITURE SCHED	ULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Construction'	_	3,227	1,860	500	500	500	- 500	500	500	8,01
OTAL EXPENDITURES Estimated Ai	3: nnual Operating In	3,227 npact will begin	<b>1,</b> 860 In FY 2017-1	500 B In the amou	500 nt of \$10,000	500	500	500	500	8,08
	,				•					
OUTH MIAMI HEIGH							PROJE		52821	
	Construct water tr		wellflelds, and			mains in sou	th Mlaml-Dado	e County		
LOOKTION	11800 SW 208 St				ct Located:		9	<b>.</b>		
		lami-Dade Cou	nty	Distri	ct(s) Served:		Systemwic	1e		
	Unincorporated M							•		
	Unincorporated M									
	Unincorporated M			•						`
EVENUE SCHEDULE:	•	PRIOR	2016-17	2017-18 -	2018-19	2019-20	2020-21	2021-22	FUTURE	
EVENUE SCHEDULE: Future WASD Revenue	Bonds	16,546	1,500	18,726	13,533	11,211	21,371	54,543	124,156	261,58
REVENUE SCHEDULE: Future WASD Revenue WASD Revenue Bonds	Bonds	16,546 17,457	1,500 0	18,726 0	13,533 0	11,211 0	21,371 0	54,543 0	124,156 0	261,58 17,45
EVENUE SCHEDULE: Future WASD Revenue WASD Revenue Bonds ( OTAL REVENUES:	Bonds Sold	16,546 17,457 34,003	1,500 0 1,500	18,726 0 18,726	13,533 0 13,533	11,211 0 11,211	21,371 0 21,371	54,543 0 54,543	124,156 0 124,156	261,58 17,45 279,04
LEVENUE SCHEDULE: Future WASD Revenue WASD Revenue Bonds ( OTAL REVENUES: XPENDITURE SCHEDL	Bonds Sold	16,546 17,457 34,003 PRIOR	1,500 0 1,500 2016-17	18,726 0 18,726 2017-18	13,533 0 13,533 2018-19	11,211 0 11,211 2019-20	21,371 0 21,371 2020-21	54,543 0 54,543 2021-22	124,156 0 124,156 FUTURE	261,58 17,45 279,04 TOTA
	Bonds Sold	16,546 17,457 34,003	1,500 0 1,500	18,726 0 18,726	13,533 0 13,533	11,211 0 11,211	21,371 0 21,371	54,543 0 54,543	124,156 0 124,156	TOTA 261,58 17,45 279,04 TOTA 256,71 22,32

					ł				
	TENANCE AND or renovate reglor		sintenance cei		cliitles, and st		uses .	53201	,
LOCATION: Systemwide Various Sites				lot Located: lot(s) Served;		Systemwl Systemwl			
REVENUE SCHEDULE:	PRIOR	. 2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds WASD Future Funding WASD Revenue Bonds Sold	139 0 1,320	2,927 0 0	7,451 0 0	12,265 0 0	13,208 0 0	12,654 . 0 0	, 8,184 0 0	31,000 72,031. 0	87,828 72,031 1,320
TOTAL REVENUES:	1,459	2,927	7,451	12,265	13,208	12,654	8,184	103,031	161,179
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,328	2,663	6,780	11,161	12,019	11,515	7,448	93,758	146,672
Land Acquisition/Improvements	. 44	88	224	368	396	. 380	245	3,091	4,836
Planning and Design	87	176	447	736	793	759	491	6,182	9,671
TOTAL EXPENDITURES:	1,459	2,927	7,451	12,265	13,208	12,654	8,184	103,031	161,179
WASTEWATER TRÉATMENT PLA	NTS REPLACE	MENT AND	RENOVATI	ON		PROJE	ECT#: 96	53261	
	replace wastewat	er treatment p			within plant s			•	1
LOCATION: Systemwide		•		let Located:		Systemwl			•
Various Sites			Distr	ict(s) Served:		Systemwi	Q8		
•				·					
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds ,	608	608	608	3,526	. 0	0.	0	0	5,350
WASD Future Funding	, 0	0 n	0 0	0	. 0	0	. O	51,650 0	51,650 774
WASD Revenue Bonds Sold Wastewajer Renewal Fund	774 3 <b>7</b> ,985	11,704	7,000	7,000	7,000	7,000	7,000	7,000	91,689
TOTAL REVENUES:	39,367	12,312	7,608	10,526	7,000	7,000	7,000	58,650	149,463
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	36,191	12,904	7,228	10,000	6,650	6,650	6,650	55,718	41,991
Planning and Design	1,905	679	380	526	350	350	350	2,932	7,472
TOTAL EXPENDITURES:	38,096	13,583	7,608	10,526.	7,000	7,000	7,000	. 58,650	149,463
						222		. was a 4	
SANITARY SEWER SYSTEM EXTE		leads that select	lum nomitans oc	uurnaada sa		PROJE	:C1 符: 9E	553281	
DESCRIPTION: Extend sewer s  LOCATION: Systemwide  Various Sites	ystem lines to inc	Judė ilis exisi	Distri	iwe  needs as:  ct(s) Served:  ct(s) Served:	sessijiojit	Systemwl Systemwl			
,								•	ı
REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	2,113	2,660	2,113	4,113	3,038	0	0	C	14,037
WASD Future Funding	0	0	0	0	. 0	0	0	190,133	190,133
WASD Revenue Bonds Sold Wastewater Renewal Fund	11,991 10,735	0 7,704	ე 1,500	0 1,500	0 1,500	0 1,500	0 1,500	0 1,500	11,991 27,439
	10,735	10,364	3,613	5,613	4,538	1,500	1,500	191,633	243,600
OTAL REVENUES:	24,839	2016-17	2017-18	2018-19	4,556 2019-20	1,500 2020-21	2021-22	FUTURE	TOTAL
XPENDITURE SCHEDULE: Construction	PRIOR 23,899	2016-17 10,248	3,505	5,445	4,402	1,455	1,455	185,884	236,293
Planning and Design	739	317	108	168	136	45	45	5,749	7,307
TOTAL EXPENDITURES:	24,638	10,565	3,613	5,613	4,538	1,500	1,500	191,633	243,600
	• ,	-		=	•	•	•	•	•

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REVENUE SCHEDULE; Future WASD Revenue Bonds WASD Revenue Bonds Sold Water Connection Charges Water Renewal and Replacement Fund TOTAL REVENUES: EXPENDITURE SCHEDULE; Construction Planning and Design	PRIOR 16,943 25,094 22,606 32,568 97,209 PRIOR 58,120 3,059	2016-17 11,830 0 5,521 0 . 17,351 2016-17 45,554 2,397	2017-18 57,909 0 3,590 3,500 64,999 2017-18 66,909 3,521	2018-19 22,867 0 0 3,500 26,367 2018-19 25,048 1,318	2019-20 9,466 0 0 3,500 12,966 2019-20 12,318 648	2020-21 10,000 0 0 3,500 13,500 2020-21 12,825 675	2021-22 12,500 0 0 3,500 16,000 2021-22 15,200 800	FUTURE 32,080 0 0 3,500 35,580 FUTURE 33,801 1,779	TOTAL 173,595 25,094 31,717 53,566 283,972 TOTAL 269,775 14,197
TOTAL EXPENDITURES:	61,179	47,951	70,430	26,366	12,966	13,500	16,000	35,580	283,972
PEAK FLOW MANAGEMENT FACIL.  DESCRIPTION: Evaluate and con LOCATION: Systemwide Various Sites		es for peak flo	Distri	ent facilities an lot Located; icl(s) Served:	d associated	PROJE Infrastructure Systemwio Systemwio	de	53371	
REVENUE SCHEDULE: Fulure WASD Revenue Bonds Wastewaler Connection Charges	PRIOR 24,805 37,542	2016-17 18,537 0	2017-18 14,104 0	2018-19 9,208 , 0	2019-20 29,274 0	2020-21 16,014 0	2021-22 10,220 0	FUTURE 432,468 0	TOTAL 554,630 37,542
TOTAL REVENUES:	62,347	18,537	14,104	9,208	29,274	16,014	10,220	432,468	592,172
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR 53,986 6,672	2016-17 18,001 2,225	2017-18 12,552 1,552	2018-19 8,195 1,013	2019-20 26,054 3,220	2020-21 14,252 1,762	2021-22 9,095 1,125	FUTURE 384,897 47,571	TOTAL 527,032 65,140
TOTAL EXPENDITURES:	60,658	20,226	14,104	9,208	29,274	16,014	10,220	432,468	592,172
CORROSION CONTROL FACILITIES  DESCRIPTION: Construct corrosistations; and resistations; n control facilit	les and force	Distri	ate structures : lct Located; lcl(s) Served;	at wastewater	PROJE treatment pla Systemwi Systemwi	nts and pump de	53381		
REVENUE SCHEDULE; Future WASD Revenue Bonds WASD Revenue Bonds Sold	PRIOR 0 1,083	2016-17 100 0	2017-18 90 0	2018-19 865 0	2019-20 352 0	2020-21 4,882 0	2021-22 116 0	FUTURE 0 0	TOTAL 6,405 1,083
TOTAL REVENUES:	1,083	100	90	865	352	4,882	116	- 0	7,488
EXPENDITURE SCHEDULE: Construction Planning and Design	PRIOR 921 162	2016-17 85 15	2017-18 76 14	2018-19 735 130	2019-20 299 53	2020-21 4,150 732	2021-22 99 17	FUTURE 0 0	TOTAL 6,365 1, <u>123</u>
TOTAL EXPENDITURES:	1,083	100	90	865	352	4,882	116	0	7,488

SOUTH DISTRICT U DESCRIPTION:	Construct plant p acquiring a land b	rocess improve buffer, construc	ments includir	ng Injection an	Id monitoring v Installation of	vells, installati f co-gen units	PROJE on of emerger and construc	ncy generator	53401 s,	6	
LOCATION:	handling facilities 8950 SW 232 St Unincorporated N		Jnty		District Located; District(s) Served;			8 Systemwide			
REVENUE SCHEDULE	· \$:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
Fulure WASD Revenu		5,000	0	2,000	4,000	3,000	1,000	0	0	15,000	
WASD Future Funding		00000	0	0	0	0	0 0	0 0	182,500 <b>0</b>	182,500 28,000	
WASO Revenue Bond	IS 5010 =	28,000	0		4,000	3,000	1,000	0	182,500	225,500	
TOTAL REVENUES:		83,000		2,000		·	2020-21	2021-22	FUTURE	TOTAL	
EXPENDITURE SCHE	DULE:	PRIOR 32,000	2016-17 1,000	2017-18 2,000	2018-19 4,000	2019-20 . 3,000	1,000	2021-22 0	182,500	225,500	
TOTAL EXPENDITURE	: e	.32,000	1,000	2,000	4,000	3,000	1,000	. 0	182,500	225,500	
TOTAL EXPENDITURE	<b>5</b> 0,	-32 <sub>1</sub> 000	1,000	2,000	4,000	0,000	1,500	J	1-2,-4-1	220,000	
NORTH DISTRICT U	PGRADES - WA	STEWATER	TREATMEN	IT PLANT			PROJE	ECT#; 96	153411		
DESCRIPTION:	Construct a chlor	ine Improveme	nt process, re	place sluice g	ates in the pre	-treatment ba	r screen room	, and provide	for		
	various upgrades	and rehabilitat	lon of the plar				. 4				
· LOCATION:	2575 NE 151 St North Mlaml				ict Located: ict(s) Served:	)	4 Systemwl	de			
	MOLULINIALLI			Dian	infa) consour		0,000,000	•	•		
				•							
REVENUE SCHEDULE	i <u>.</u>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
Future WASD Revenu		1,262	3,465	8,868	6,053	4,200	4,078	3,180	32,820	63,926	
WASD Future Funding		C	0	0	0	Ó	0)	0	100,225	100,225	
WASD Revenue Bond	s Sold	338	0	· 0		0	0	0	0	338	
TOTAL REVENUES:		1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489	
EXPENDITURE SCHE	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
Construction		. 1,424	3,084	7,892	5,387	3,738	3,630	2,830 350	118,410 14,635	146,396 18,094	
Planning and Design		176_	. 381	976	666	462	448			164,489	
TOTAL EXPENDITURE	ES:	1,600	3,465	8,868	6,053	4,200	4,078	, 3,180	133,045	104,409	
CENTRAL DISTRICT	'TIDGDADES', W	V A GTEW/ATE	D TREATM	ENT DI ANT			PROJE	FCT#• 96	353421	<b>b</b>	
DESCRIPTION:	Construct digeste					neous electric				-	
BEODY III TYOTI	rehabilitation, a n	ew gas pipeline	a new flushi	ng water line,	and a sludge	handling facili	ty; varlous up	grades and .			
	rehabilitation of p	lant including p	ump stations								
LOCATION:	Virginia Key				let Located:		7	al .			
	City of Mlami		-	UBU	lct(s) Served:		Systemwl	ue			
			•								
REVENUE SCHEDULE	<b>'•</b>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
Future WASD Revenue		2,093	5,347	8,522	5,713	3,617	1,900	108	0	27,300	
WASD Future Funding		0	0	0	0	0	0	0	8,500	8,500	
WASD Revenue Bonds		2,533	0	0	0	. 0	0	0	0	2,533	
TOTAL REVENUES:	=	4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	38,333	
EXPENDITURE SCHED	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL	
Construction		4,348	5,026	8,011	5,370	3,400	1,786	102	.7,990	36,033	
Planning and Design	_	278	321	511	343	217	114	<u>.</u> 6	510	2,300	
TOTAL EVOLUDITUDE	e.	4 000	E 2/7	8.522	5713	2 647	1 000	408	8 500	38,333	



108

8,500

38,333

B,522

5,347

4,626

TOTAL EXPENDITURES:

5,713

3,617

SAFE DRINKING WATER ACT MODIFICATIONS-SWT RULE AND D-DBP

PROJECT #: 9654061

DESCRIPTION: Modify water treatment to comply with Surface Water Treatment (SWT) and Disinfectant/Disinfection By Product (D-DBP)

Regulations

LOCATION:

Systemwide Various Sites District Located: District(s) Served; Systemwide

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds Rock Mining Mitigation Fees Water Renewal and Replacement Fund	PRIOR 0 20,979 1,076	<b>2015-17</b> 610 0	201 <b>7-1</b> 8 2,692 0 0	, 2018-19 17,364 0 0	2019-20 33,066 0 0	2020-21 76,454 0	2021-22 61,271 0 0	FUTURE 303,018 0 0	TOTAL 494,475 20,979 1,076
TOTAL REVENUES:	22,055	610	2,692	17,364	33,066	76,454	61,271	303,018	516,530
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	12,279	2,709	6,820	. 14,933	28,437	65,750	52,693	260,595	444,216
Planning and Design	1,999	440	1,110	2,431	4,629	10,704	8,578	42,423	72,314
TOTAL EXPENDITURES:	14,278	3,149	7,930	17,364	33,066	76,454	61,271	303,018	516,530

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$10,000,000

# SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

Unincorporated Miami-Dade County

PROJECT #: 9655481

DESCRIPTION:

Expand the South District Wastewater Plant and injection wells and install emergency generators

LOCATION:

8950 SW 232 St

District Located:

Systemwide District(s) Served:

REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 1,745	2016-17 7,053	2017-18 7,724	2018-19 15,623	2019-20 . 15,167	2020-21 11,393	2021-22 11,500	FUTURE 73,000	TOTAL 143,205
TOTAL REVENUES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,448	5,854	6,411	12,967	12,589	9,458	9,545	60,590	118,860
Planning and Design	297	1,199	1,313	2,656	2,578	1,937	1,955	12,410	24,345
TOTAL EXPENDITURES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205

#### WATER TELEMETERING SYSTEM ENHANCEMENTS

9656780 PROJECT #:

DESCRIPTION:

Acquire and install a centralized computer system at water treatment plants and welfields

LOCATION:

Systemwide

District Located;

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE: Water Renewal and Replacement Fund	PRIOR 1,424	2016-17 0	2017-18 300	2018-19 300	2019-20 300	2020-21 300	2021-22 300	FUTURE 300	TOTAL 3,224
TOTAL REVENUES:	1,424	0	300	300	300	300	300	300	3,224
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	342	313	138	138	138	138	138	138	1,483
Major Machinery and Equipment	401	368	162	162	162	162	162	162	1,741
TOTAL EXPENDITURES:	743	681	300	300	300	300	300	300	3,224

Memorandun

Date:

November 30, 2015

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs 🗟

Miami-Dade Water and Sewer Department

Subject:

Revision No. 1 to Seven (7) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System - Project No. E15-WASD-01

This revision to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department (WASD) and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. WASD is requesting the following modifications to the RTA listed below:

The following information was revised on pages 1, 2 and 3 on the RTA:

PROJECT NAME:

Three (3) Non-Exclusive Professional Services Agreements (PSA) for Engineering Design and related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$33,000,000

BASE CONTRACT AMOUNT:

\$30,000,000

Three (3) separate PSA at

\$10,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 3,000,000

Contingency Allowance in

accordance with Ordinance 00-65

is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$33,000,000

As always, we thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachment

### EXHIBIT E

Date: February 12, 2016

To: Christopher Agrippa, Director Clerk of the Board

From: Patty Palomo, Chlef Intergovernmental Affairs Miami-Dade Water and Sewer Department

Subject: Request to Advertise Revision No. 2 - Project No. E15-WASD-01

Revision No. 2 to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. On November 30, 2015, Revision No. 1 was also filed with the Clerk of the Board, see attached. WASD is requesting additional modifications to the original RTA listed below:

The following information was revised from the original RTA on pages 1, 2 3 and 4.

### PROJECT NAME:

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System.

### PROJECT DESCRIPTION:

Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from six (6) qualified consultants for engineering design and related services for the design of **Group A** (Ocean Outfall Legislation Projects) large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors; and two (2) qualified consultants to provide engineering design and related services for the design of **Group B** (Non-Ocean Outfall Legislation Projects) large diameter water pipelines for water transmission and distribution system, related to WASD's capital improvement needs identified in the Multi-Year Capital Improvement Plan.

Proposers are advised that the selected Prime Consultant and Sub-consultants for ISD Project No. E13-WASD-11 titled Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Mlami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (6 agreements) of the Internal Services Department's (ISD) Project No. E15-WASD-01 (Ocean Outfall Legislation Project), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (2 agreements), other than those to be applied on a case by case

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 2 of 3

basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-WASD-11 or any contract resulting from this solicitation.

Proposers are advised that the selected Prime Consultant or Sub-consultants that are awarded the contract for ISD Project No. E12-WASD-03 titled Program Management Consultant and Related Services to establish a "Comprehensive Infrastructure Assessment and Replacement Program" for Water Transmission and Distribution Mains Including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (2 agreements) of ISD Project No. E15-WASD-01 (Non-Ocean Outfall Legislation Projects), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (6 agreements), other than those to be applied on a case by case basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03 or any contract resulting from this solicitation.

## CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$40,000,000

BASE CONTRACT AMOUNT:

\$ 5.000,000

Eight (8) separate PSA at

\$5,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 4,000,000

Contingency Allowance in

accordance with Ordinance 00-65 is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$44,000,000

### MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride (PVC), high density polyethylene (HDPE), concrete pressure pipe, ductile iron, steel and fiberglass (FRP).
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team demonstrate their successful design experience with trenchless technologies including but not illmited to Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 3 of 3

start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

DEPARTME	ENT SELE	CHON COMMITTE	E RECOMMENDATION	
COMMITTEE MEMBER AND	YEAR HIRED	GENDER /ETHNICITY	EDUCATION	PROFESSIONAL LICENSES
TITLE  Daniel Edwards, P.E.  Section Manager,  Planning (Member)	1997	Male/Caucasian	Bachelor of Science Civil Engineering	Professional Engineer
Rolando Roque, Senior Professional Engineer (Technical Advisor)	2006	Male/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer
Elvira Amenta, P.E. Senior Professional Engineer (Member)	2003	Female/Hispanio	Bachelor of Science Civil Engineering	Professional Engineer
Isaac Smith, Senior Program Manager (Alternate)	1990	Male/Black	Bachelor of Science Mechanical Engineering	Engineer Intern

As always, thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachments

### EXHIBIT F



### MIAMI DADE COUNTY INTERNAL SERVICES DEPARTMENT

LIST OF RESPONDENTS

ISD Project Name: Engineering Design & Related Services for the Design of Large Diameter Water and Wastewater Pipelines

for the Water & Sewer Department's Wastewater & Water Collection, Transmission & Distribution System

Prime Local Preference:

Prime Local Preference:

FEIN No.: 650792884

FEIN No.: 591406307

Yes

550866252

651319891

800203267

364551726

Subs FEIN No.

941446346

590918189

592739866

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 1

Prime Name: KEITH AND SCHNARS, P.A.

Trade Name:

Subs FEIN No. Trade Name Subs Name 650673629

a. CIVIL WORKS, INC.

b. C.H. PEREZ & ASSOCIATES CONSULTING

ENGINEERS, INC.

c, GIT CONSULTING LLC

Prime Local Preference: Submittal No: 2 FEIN No.: 112167170 Prime Name: STANTEC CONSULTING SERVICES, INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name 471310425

a, ALUCES CORPORATION b. METCO SERVICES SOUTHEAST, LLC

c. LONGITUDE SURVEYORS, LLC

Submittal No: 3

Prime Name: CES CONSULTANTS, INC.

Subs Name

Trade Name:

P (3) S M, LLC

Trade Name

CHEN AND ASSOCIATES

CONSULTING ENGINEERS,

a. BROWN AND CALDWELL (CORPORATION)

b. CH2M HILL, INC.

c. CHEN MOORE AND ASSOCIATES, INC.

271979486 VERTICAL V-SOUTHEAST, d, NV5, INC. DBA KACO

INC. DBA KACO

651089850 e. HADONNE CORP. 112393559

f. D&B ENGINEERS AND ARCHITECTS PC



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ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 4

Prime Name: BLACK & VEATCH CORPORATION

Trade Name:

Subs FEIN No. Trade Name Subs Name

a. E SCIENCES, INCORPORATED

b. F.R. ALEMAN AND ASSOCIATES, INC.

c. NUTTING ENGINEERS OF FLORIDA INC

d. BND ENGINEERS, INC.

e. CHEN MOORE AND ASSOCIATES, INC.

f. MAGBE CONSULTING SERVICES, INC.

Submittal No: 5 Prime Name: CAS ENGINEERING, INC.

Trade Name:

Trade Name

a. BALJET ENVIRONMENTAL, INC.

b. J BONFILL AND ASSOCIATES INC.

Prime Local Preference:

Submittal No: 6 Prime Name: A & P CONSULTING TRANSPORTATION ENGINEERS FEIN No.: 650770583

CORP.

Subs Name

Trade Name:

Subs FEIN No. Trade Name **Subs Name** RAFAEL J. BALLESTEROS, 562612529 a. 300 ENGINEERING GROUP, P.A.

P.E., P.A. - OLD NAME b. JACOBS ASSOCIATES CORP.

c. ROBAYNA AND ASSOCIATES, INC.

941371792 592119073

Prime Local Preference:

Prime Local Preference:

FEIN No.: 591947578

FEIN No.: 431833073

CHEN AND ASSOCIATES

CONSULTING ENGINEERS,

Yes

593667002 \*

592751524

591159182

650421519

592739866

650679927

Yes

Subs FEIN No.

592485807



CONTRACTOR OF THE CONTRESPONDENTS OF THE PROPERTY OF THE PROPE

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 7

Prime Name: WADE TRIM, INC.

Trade Name:

Subs Name Trade Name Subs FEIN No.

a. JACOBS ASSOCIATES CORP.
941371792
b. GRESHAM, SMITH AND PARTNERS
620794126
c. KEITH AND ASSOCIATES, INC.
650806421

d. PREMIERE DESIGN SOLUTIONS, INC.

Submittal No: 8 Prime Local Preference:
Prime Name: GANNETT FLEMING, INC. FEIN No.: 251613591

Trade Name:

Subs Name Trade Name Subs FEIN No.

a. SRS ENGINEERING, INC. 650607552

b. HBC ENGINEERING COMPANY
c. K.M. ENGINEERING CONSULTANTS, INC. KMEC 260125061

d. HADONNE CORP. 651089850

e. THE VAILON GROUP, INC. 261204483

f. RUSSELL CORROSION CONSULTANTS, 521829252 INC.

Submittal No: 9

Prime Name: BCC ENGINEERING, INC. FEIN No.: 650540100

Trade Name:

Subs Name Trade Name Subs FEIN No. 650673629

a. CIVIL WORKS, INC. 650673629
b. MANUEL G. VERA & ASSOCIATES, INC. 591741639

c. GOAL ASSOCIATES, INC.

d. MEDIA RELATIONS GROUP, LLC

464649215
200118620

pmer\_dpm\_project\_team V04/25/2005 Page 3 of 8

Prime Local Preference:

Prime Local Preference:

FEIN No.: 592417170

Yes

260571068

Yes



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 10

Prime Name: PARSONS WATER & INFRASTRUCTURE INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name

P (3) S M, LLC

Prime Local Preference:

Prime Local Preference:

FEIN No.: 201391406

CAMP DRESSER & MCKEE 042473650

Prime Local Preference:

FEIN No.: 592064498

650421519

364551726

650997886

205779421

610713040

650421519

Yes

Subs FEIN No.

FEIN No.: 710920322

a. BND ENGINEERS, INC.

b. LONGITUDE SURVEYORS, LLC

c. GEOSOL, INC.

d. EV SERVICES, INC.

Submittal No: 11

Prime Name: WOOLPERT, INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name

b. THE CORRADINO GROUP, INC.

c. BND ENGINEERS, INC.

a. CDM SMITH, INC.

Submittal No: 12

Prime Name: A.D.A. ENGINEERING, INC.

Trade Name:

Trade Name Subs Name

610713040

a, THE CORRADINO GROUP, INC. 061539147 b. ARUP USA, INC. 651089850 c. HADONNE CORP.



CALLES CONTROL OF THE LIST OF RESPONDENTS OF THE CONTROL OF THE CO

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 13

Prime Local Preference:

FEIN No.: 311446286 Prime Name: CSA CENTRAL, INC.

Trade Name:

Subs Name a. RADISE INTERNATIONAL, L.C. b. D&B ENGINEERS AND ARCHITECTS PC c. SMART-SCIENCES, INC. d. NEW MILLENNIUM ENGINEERING, INC.		Subs FEIN No. 650785837 112393559 462397336 204809301
e. INFINITE SOURCE COMMUNICATIONS f. ENTECH DESIGN AND PROJECT MANAGEMENT LLC	GROUP, LLC	270403430 472105114

Submittal No: 14

Yes Prime Local Preference:

FEIN No.: 941598707 Prime Name: T.Y. LIN INTERNATIONAL

Trade Name:

Subs Name a. NIFAH AND PARTNERS CONSULTING	Trade Name	Subs FEIN No. 650604266
ENGINEERS, INC. b. F.R. ALEMAN AND ASSOCIATES, INC. c. EGSC ENGINEERING CONSULTANTS, INC. d. METCO SERVICES SOUTHEAST, LLC		592751524 651043053 800203267
e. AVINO & ASSOCIATES, INC. f. CPM NORTH AMERICA PLLC g. INFINITE SOURCE COMMUNICATIONS		650053775 473185079 270403430
GROUP, LLC h. LEGACY DEVELOPERS & ENGINEERS, CORP.		463528666



## LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Subs Name

Submittal No: 15

Prime Name: KING ENGINEERING ASSOCIATES, INC.

a. LEITER, PEREZ & ASSOCIATES, INC.

c. EASTERN ENGINEERING GROUP

e. MEDIA RELATIONS GROUP, LLC

b. STAHELI TRENCHLESS CONSULTANTS

Trade Name:

pmer\_dpm\_project\_team

Subs FEIN No. Trade Name

Prime Local Preference:

FEIN No.: 591782900

592746730 460507796 611492162

> 650997886 200118620

Yes

Prime Local Preference: Submittal No: 16

FEIN No.: 954081636 Prime Name: JACOBS ENGINEERING GROUP, INC.

Trade Name: JEC ACQUISITION CO.

COMPANY

d. GEOSOL, INC.

Subs Name a. 300 ENGINEERING GROUP, P.A.

b. SRS ENGINEERING, INC.

c. CIVIL WORKS, INC.

d. CARDOZO ENGINEERING, INC.

e. BELLO AND BELLO LAND SURVEYING CORPORATION

f. KEITH AND ASSOCIATES, INC.

g. YOUSSEF HACHEM CONSULTING

ENGINEERING, INC.

h. INFINITE SOURCE COMMUNICATIONS

GROUP, LLC

Subs FEIN No. Trade Name

562612529 RAFAEL J. BALLESTEROS, P.E., P.A. - OLD NAME

650607552 650673629 650956092 134219102

> 650806421 203225960



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/41/2016

Prime Local Preference: Submittal No: 17

FEIN No.: 132904652 Prime Name: HAZEN AND SAWYER, P.C.

Trade Name:

Subs FEIN No. Trade Name Subs Name 952661922 a. AECOM TECHNICAL SERVICES, INC. F/K/A EARTH TECH, INC. 471310425 b. ALUCES CORPORATION 650492113 c. EBS ENGINEERING, INC. 364551726 P (3) S M, LLC d. LONGITUDE SURVEYORS, LLC 592119073 e. ROBAYNA AND ASSOCIATES, INC. 650997886 f. GEOSOL, INC.

Yes Prime Local Preference: Submittal No: 18

FEIN No.: 111531569 Prime Name: PARSONS BRINCKERHOFF, INC.

Trade Name: PB AMERICAS, INC.

Subs FEIN No. Trade Name Subs Name 471310425 a. ALUCES CORPORATION 592751524 b. F.R. ALEMAN AND ASSOCIATES, INC. 650577672 c. NOVA CONSULTING, INC.

650266641 d. AMBRO, INC. 650679927 e. MAGBE CONSULTING SERVICES, INC.

Yes



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 19

Prime Name: EAC CONSULTING, INC.

Trade Name:

Prime Local Preference: FEIN No.: 650519739

Subs Name

a. SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. ROBAYNA AND ASSOCIATES, INC.

d. BELLO AND BELLO LAND SURVEYING

CORPORATION

e. EV SERVICES, INC.

f. ORACLE CONSULTING GROUP, LLC

Submittal No: 20

Prime Name: KIMLEY-HORN AND ASSOCIATES, INC.

Trade Name:

Subs Name

a. HDR ENGINEERING, INC.

b. AVINO & ASSOCIATES, INC.

c. CHEN MOORE AND ASSOCIATES, INC.

d. METCO SERVICES SOUTHEAST, LLC

e. HOLT COMMUNICATIONS, INC.

Submittal No: 21

Prime Name: TETRA TECH, INC

Trade Name:

Subs Name

a. 300 ENGINEERING GROUP, P.A.

b. HBC ENGINEERING COMPANY

c. MILLER, LEGG & ASSOCIATES, INC. .

d. EV SERVICES, INC.

Trade Name

Subs FEIN No.

Yes

650607552 . 223936061 592119073 134219102

205779421 800456242

Prime Local Preference:

FEIN No.: 560885615

Trade Name

Subs FEIN No.

470680568

650053775 592739866

CHEN AND ASSOCIATES

CONSULTING ENGINEERS,

INC

800203267 161754464

Prime Local Preference:

FEIN No.: 954148514

Trade Name

Subs FEIN No.

RAFAEL J. BALLESTEROS,

562612529

P.E., P.A. - OLD NAME

223936061

650563467

205779421

Page 8 of 8

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FIRST - TIER MEETING	JUNE 23, 2016	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	3 CES CONSULTANTS, INC. (LOCAL) (B)		5A -Ability of team members to inlerface with the County (Max 5 points)  Owding I contest	Dropped Ordinal Scores	 4 BLACK & VEALCH CURPORGING the Control of the project (Max. 50 points)  1A -Qualification of firms including team members associated to the project (Max. 50 points)  2A -Knowledge and Past Experience of similar type projects (Max. 20 points)  3A -Past Performance of the Firms (Max. 20 points)  4A -Amount of Work Awarded and Paid by the County (Max. 5 points)  5A -Ability of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores  Total Qual. Points for 14,24,34,44,54.

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FIRST - TIER MEETING	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	9 BCC ENGINEERING, INC. (LOCAL) (ARB)	ere associated to the project (Max. 50 points) type projects (Max. 20 points) nts) County (Max. 5 points) ne County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores	The-Breaker(CSC Ords)-Criterion 14,24,44,54, then Total Qual. Points for 14,24,34,44,54.  Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,24,34,44,54.  An Industrial Why FER & InduSTRIICTURE INC. (LOCAL) (A&B)	14-Cavalification of firms including team members associated to the project (Max. 30 points) 14-Qualification of firms including team members associated to the project (Max. 30 points) 24-Knowledge and Past Experience of similar type projects (Max. 20 points) 44-Amount of Work Awarded and Paid by the County (Max. 5 points) 54-Ability of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores  To Dropped Qualitative Scores

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FIRST - TIER MEETING JINF 23 2016	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	13 CSA CENTRAL, INC. (LOCAL) (A&B) NON-COMPLIANT	14. Qualification of firms including team members associated to the project (Max. 50 points) 2AKnowledge and Past Experience of similar type projects (Max. 29 points) 3APast Performance of the Firms (Max. 20 points) 4AAmount of Work Awarded and Paid by the County (Max. 5 points) 5AAbility of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Dropped Qualitative Scores	Tie-Breaker (101al Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,24,34,45.5.  14 Try. LIN INTERNATIONAL (LOCAL) (A&B)  14 Try. LIN INTERNATIONAL (LOCAL) (A&B)	14. Admittention of three institution team mentals associated (Max. 20 points) 24. Knowledge and Pask Experience of left and 20 points) 34. Past Performance of the Firms (Max. 20 points) 44. Amount of Work Awarded and Paid by the County (Max. 5 points) 54. Ability of fearm members to interface with the County (Max. 5 points)	Ordinal Scores Dropped Ordinal Scores Dropped Qualitative Scores Total Qual. Points for 14,24,34,44,54.

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FIRST - TIER MEETING JUNE 23, 2016	8	COMPETITIVE SELECTION COMMITTEE	SELECTION	N COMMIT	# ·	<del></del>							
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	1A - Qualification of firms including team members associated to the project (Max. 30 points) 2A - Knowledge and Past Experience of similar type projects (Max. 20 points) 3A - Past Performance of the Firms (Max. 20 points) 4A - Amount of Work Awarised and Paid by the History (Max. 5 points)	46 19 4	42 50 18 20 17 20 4 3	1 18 1 4	32 t 4 a	22 23 24 25 25 25 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	44 6 6 6 6 4	30 72 73 8	8 4 2 4 0					
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# Memorandum



DATE:

July 6, 2016

TO:

Miriam Singer, Sr. Assistant Director

Internal Services Department

FROM:

Gary Hartfield, Division Director

Internal Services Department Small Business Development

SUBJECT:

Compliance Review

Project No. E15-WASD-01

Engineering Design & Related Services for The Design Of Large Diameter Water & Wastewater Pipelines for The Water & Sewer Department's Wastewater & Water Collection, Transmission &

Distribution System

Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise (SBE/AE) Program for Architectural and Engineering Services program. The contract measures established for this project is a 20% SBE/AE Subconsultant Goal.

The Professional Services Division of the Internal Services Department has submitted proposals from Keith and Schnars, P.A. #1, Stantec Consulting Services, Inc. #2, CES Consultants, Inc. #3, Black & Veatch Corporation #4, CAS Engineering, Inc. #5, A & P Consulting Transportation Engineers, Corp. #6, Wade Trim, Inc. #7, Gannett Fleming, Inc. #8, BCC Engineering, Inc. #9, Parsons Water & Infrastructure Inc., #10, Woolpert, Inc. #11, A.D.A. Engineering, Inc. #12, CSA Central, Inc. #13, T.Y. Lin International, #14, King Engineering Associates, Inc. #15, Jacobs Engineering Group, Inc. #16, Hazen And Sawyer, P.C. #17, Parsons Brinckerhoff, Inc. #18, EAC Consulting, Inc. #19, Kimley-Horn And Associates, Inc. #20, and Tetra Tech, Inc. #21 for compliance review. Following is the pre-award compliance status and summary.

### STATUS:

1.	Keith and Schnars, P.A.	Compliant
2.	Stantee Consulting Services, Inc.	Compliant
3.	CES Consultants, Inc.	Compliant .
4.	Black & Veatch Corporation	Compliant
5,	CAS Engineering, Inc.	Compliant
6.	A & P Consulting Transportation Engineers, Corp.	Compliant
7.	Wade Trim, Inc.	Complaint
8.	Gannett Fleming, Inc.	Compliant
9.	BCC Engineering, Inc.	Compliant
	Parsons Water & Infrastructure Inc.	Compliant
	Woolpert, Inc.	Compliant
	A.D.A. Engineering, Inc.	Coxupliant
	CSA Central, Inc.	Non-Compliant
	T.Y. Lin International	Compliant
	King Engineering Associates, Inc.	Compliant
	. Jacobs Engineering Group, Inc.	Compliant
	. Hazen and Sawyer, P.C.	Compliant
	Parsons Brinckerhoff, Inc.	Compliant
	. EAC Consulting, Inc.	Compliant
	Kimley-Horn and Associates, Inc.	Compliant
		Complaint
21	. Tetra Tech, Inc.	

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### SUMMARY:

Keith and Schnars, P.A. #1, submitted the required Letters of Agreement (LOAs) committing to utilize the following certified SBE/AE firms: C.H. Perez & Associates Consulting Engineers, Inc. to provide (TC) categories 15.01 (Surveying & Mapping-Land Surveying) at 4%, 16.00 (General Civil Engineering) at 2% and 17.00 (Engineering Construction Management) at 4%, Civil Works, Inc. to provide 6.01 (Water & Sanitary Seware Collection & Transmission Systems) at 10%, and GIT Consulting LLC. to provide 6.01 (Water & Sanitary Seware Systems — Water Distribution & Sanitary Seware Collection & Transmission Systems) at 5% for a total of 25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the Information listed.

Keith and Schnars, P.A. has satisfied the contract's 20% SBE/AE sub-consultant goal, and is in compliance with the Small Business measures established for this contract.

Stantec Consulting Services, Inc. #2, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Metco Services Southeast, LLC, to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 15%, and Longitude Surveyors, LLC. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Stantec Consulting Services, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CES Consultants, Inc. #3, a certified SBE/AE firm, submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems - Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AB sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CES Consultants, Inc. has satisfied the contracts 20% SBE/AB sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Black & Ventch Corporation #4, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7%, F.R. Aleman And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 3%, and BND Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 14% for a total of 24% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Black & Veatch Corporation has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CAS Engineering, Inc. #5, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Baljet Environmental, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, and J. Bonfill and Associates Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 10% for a total of 20% in satisfaction

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of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CAS Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A & P Consulting Transportation Engineers, Corp. #6, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying), and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A & P Consulting Transportation Engineers, Corp. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Wade Trim, Inc. #7, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Keith and Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 11%, Premiere Design Solutions, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 17.00 (Engineering Construction Management) at 9%, for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Wade Trim, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Gannett Fleming, Inc. #8, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Hadonne Corp. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 15.03 (Surveying & Mapping — Underground Utility Location) at 5%, K.M. Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 17%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10% for a total of 35% in satisfaction of the 20% SBE/AE subconsultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Gannett Fleming, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

BCC Engineering, Inc. #9, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Manuel G. Vera & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 10%, and Civil Works, Inc. to provide 16.00 (General Civil Engineering) at 10% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

BCC Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

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Parsons Water & Infrastructure Inc. #10, submitted the required LOAs committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 18.5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 3% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 3% for a total of 24.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Water & Infrastructure Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Woolpert, Inc. #11, submitted the required LOA committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Woolpert, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A.D.A. Engineering, Inc. #12, a certified SBE/AE firm submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A.D.A. Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CSA Central, Inc. #13, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Radise International, L.C. to provide TC's 9.02 (Geotechnical & Materials Engineering Services) at 8%, and Smart-Sciences, Inc. to provide 10.00 (Environmental Engineering) at 5% for a total of 13%. CSA Central, Inc. also submitted an LOA committing to utilize Infinite Source Communications Group, LLC to provide public involvement services at 7%. Infinite Source Communications Group, LLC is not a certified SBE/AE firm and cannot be utilized to meet any portion of the 20% SBE/AE goal. Pursuant to Implementing Order 3-32 "The utilization of a non-certified SBE-A/E and proposals that do not meet the specified goal" constitute non-compliance with the Implementing Order. CSA Central, Inc. is non-compliant to the Small Business measures established for this contract.

T.Y. Lin International #14, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Avino & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 5%, EGSC Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, F.R. Aleman and Associates, Inc. to provide 16.00 (General Civil Engineering) at 5%, Legacy Developers & Engineers Corp. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 3%, Metco Services South East, LLC to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 5%, and Nifah and Partners Consulting Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Miriam Singer

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Civil Engineering) at 5% for a total of 28% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

T.Y. Lin International has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

King Engineering Associates, Inc. #15, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Leiter Perez & Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 15.01 (Surveying & Mapping-Land Surveying), 15.03 (Surveying & Mapping – Underground Utility Location), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 19%, Eastern Engineering Group Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 11.00 (General Structural Engineering), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 1% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services), 9.02 (Geotechnical & Materials Engineering Services) and 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) at 1% for a total of 21% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

King Engineering Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Jacobs Engineering Group, Inc. #16, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Youssef Hachem Consulting Engineering, Inc. to provide TC's 16.00 (General Civil Engineering) at 1%, Keith And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 1%, Bello & Bello Land Surveying Corporation to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, Civil Works, Inc. to provide 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 12.5% and 300 Engineering Group P.A. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% for a total of 41.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Jacobs Engineering Group, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Hazen And Sawyer, P.C. #17, submitted the required LOAs committing to utilize the following certified SBE/AB firms: Aluces Corporation to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, EBS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 2.25%, Robayna and Associates, Inc. to provide 6.01(Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 10.05 (Environmental Engineering — Contamination Assessment & Monitoring) and 16.00 (General Civil Engineering) at 2.25% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing — Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 0.5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Hazen And Sawyer, P.C. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Parsons Brinckerhoff, Inc., #18, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Nova Consulting, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 15%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, F.R. Aleman and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% and Ambro, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5% for a total of 35% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Brinckerhoff, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

EAC Consulting, Inc. #19, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Bello and Bello Land Surveying Corporation to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 1.25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7% and SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 15% for a total of 27.25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

EAC Consulting, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Kimley-Horn And Associates, Inc. #20, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, Metco Services Southeast, LLC to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, and Avino & Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Kimley-Horn And Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Tetra Tech, Inc. #21, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 22.5%, Miller, Legg & Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), 17.00 (Engineering Construction Management) and 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Miriam Singer

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Engineering) and 17.00 (Engineering Construction Management) at 6% for a total of 32.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Although Tetra Tech, Inc. also committed to utilize EV Services, Inc. to provide public involvement services at 1%, EV Services, Inc. is not certified as an SBE/AE firm and cannot be utilized to meet the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead-A/E firm and sub-consultant in agreement with the information listed.

Tetra Tech, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

SBD has verified that none of the aforementioned firms are listed on the Goal Deficit Make-Up Report as of July 1, 2016. Also, a review of the History of Violations Report as of July 1, 2016 indicates that none of the aforementioned firms have an open violation.

Please note that SBD staff reviewed and addressed compliance with the SBE/AE program. The Professional Services Division of the Internal Services Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar Suarez at (305) 375-3141.

c: Curt Williams, ISD
Julie Whiteside, ISD
File

### EXHIBIT I

# Memorandum



Date:

July 19, 2016

To:

Lester Sola, Director

Mlami-Dade Water and Sewer Department

Through:

Miriam Singer, CPPO, Sr. Assistant/Directo

Internal Services Department

From:

Julie Whiteside, A&E Consultant Selection Coordinator,

Chairperson, Competitive Selection Committee

Subject:

**NEGOTIATION AUTHORIZATION** 

Miami-Dade Water and Sewer Department

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group

B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and

Distribution System

ISD Project No. E15-WASD-01

In accordance with the guidelines published in the Notice to Professional Consultants, the Competitive Selection Committee has completed the evaluation of the proposals submitted in response to the above-referenced Internal Services Department solicitation.

ISD Project No.: E15-WASD-01

Project Title: Group A (Ocean Outfall LegIslation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall LegIslation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

Scope of Services Summary: This project consists of utility design, including planning, and permitting assistance during construction for system upgrades to large water and sewer pipelines. The projects could be for the rehabilitation or replacement, or for new large diameter pipeline facilities.

Participation Restrictions: The Prime Consultant and Sub-consultants that were awarded the contract for ISD Project No. E13-WASD-11: Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Miami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (Ocean Outfall Legislation Projects). This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (Non-Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis in

2.45

accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-VVASD-11, or any contract resulting from this solicitation.

The Prime Consultant or Sub-consultants that were awarded the contract for ISD Project No. E12-WASD-03: Program Management Consultant and Related Services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (Non-Ocean Outfall Legislation Projects). This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis, in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03, or any contract resulting from this solicitation.

See the attached list of precluded firms for Group A and Group B.

### Experience and Qualifications:

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate its successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate its successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the consultant team demonstrate its successful design experience with trenchless technologies, including but not limited to, Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating, new or upgraded water transmission pipeline and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects that the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Sub-consultants shall provide a description of at least one (1) project that is relevant to this scope of work specific to their proposed responsibilities. The descriptions shall

include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Sub-consultant firm, the project's achievements, and client reference and contact information.

Term and Estimated Cost of Contract: Six (6) consultant/team of firms will be retained under six (6) separate non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects), and two (2) consultant/team of firms will be retained under two (2) separate non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects), Professional Services Agreements will have an effective term of six (6) years. The estimated cost of each agreement is \$5,500,000, inclusive of contingencies.

Small Business Development Goal/Measure: On February 1, 2016, the Internal Services Department's Small Business Development Division established a 20% utilization goal for Small Business Enterprise Architectural and Engineering firms applicable to this solicitation.

Request to Advertise Stamped by the Clerk of the Board: September 2, 2015; Revision Number 1 - November 30, 2015; and Revision Number 2 - February 12, 2016.

Number of Proposals Received: Twenty-One (21) proposals.

Name of Proposer(s): Please refer to the attached List of Respondents.

Small Business Development Compliance Review: Please refer to the attached Compliance Review Memorandum, dated July 6, 2016.

First Tier Results: See attached First Tier Tabulation Sheet.

Second Tier Results: Not applicable. Based on the Competitive Selection Committee's professional expertise the information provided in the proposals was deemed sufficient to determine the qualifications of the teams. As a result and by a majority vote, the Competitive Selection Committee decided to forego Second Tier proceedings.

Request for Appointment of Negotiation Committee: Pursuant to Section 2-10.4 (6) of the Code of Mlami-Dade County, the Internal Services Department hereby requests the County Mayor or his designee approve the following Negotiation Committee; for the purpose of negotiating six (6) non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects) and two (2) non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects, respectively, with the highest ranked firms who qualify for such Group(s). In the event that a committee member is unable to attend a negotiation meeting, the negotiation committee may proceed with negotiations without that member.

- Julie Whiteside, Architectural and Engineering Consultant Selection Coordinator, Non-Voting Chairperson, Internal Services Department
- Daniel Edwards, Section Manager, Water and Sewer Department
- Isaac Smith, Senior Program Manager, Water and Sewer Department
- Jaquelyn Llano, Senior Professional Engineer, Regulatory and Economic Resources Department

Request for Authorization to Enter Negotiations: Pursuant to Section 2-10.4 (6) of the Code of Miami-Dade County, it is hereby requested that the County Mayor or his designee approve

the selection of the following firms for negotiations, in the Competitive Selection Committee's recommended order of preference. See below:

# RANKING OF RESPONDENTS SELECTION FOR PROFESSIONAL SERVICES AGREEMENT NEGOTIATION EIGHT (8) AGREEMENTS WITH 20% SMALL BUSINESS ENTERPRISE - ARCHITECTURAL AND ENGINEERING GOAL (EACH)

### GROUP "A"

### A&P Consulting Transportation Engineers Corp.

Eligibility: Group A & B Adjusted Qualitative Points - 276 Adjusted Ordinal Score - 12 Final Ranking - 1

### Black & Veatch Corporation

Eligibility: Group A & B Adjusted Qualitative Points – 268 Adjusted Ordinal Score – 15 Final Ranking – 2

### Kimley-Horn and Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 278 Adjusted Ordinal Score – 19 Final Ranking – 3

### Stantec Consulting Services, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 276 Adjusted Ordinal Score – 21 Final Ranking – 4

### Jacobs Engineering Group, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 272 Adjusted Ordinal Score – 23 Final Ranking – 5

### Wade Trim, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 275 Adjusted Ordinal Score – 25 Final Ranking – 6

The following teams will serve as alternates for Group "A":

Tetra Tech, Inc.
Eligibility: Group A & B
Adjusted Qualitative Points – 264
Adjusted Ordinal Score – 26
Final Ranking – 9

King Engineering Associates, Inc.

Eligibility: Group A & B
Adjusted Qualitative Points – 265
Adjusted Ordinal Score – 31
Final Ranking – 11

Parsons Water & Infrastructure, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 259 Adjusted Ordinal Score – 34 Final Ranking – 14

### GROUP "B"

EAC Consulting, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 25 Final Ranking – 7

Parsons Brinkerhoff, Inc.

Eligibility: Group B Adjusted Qualitative Points – 269 Adjusted Ordinal Score – 26 Final Ranking – 8

The following teams will serve as alternates for Group "B":

Tetra Tech, Inc.

Eligibility: Group A & B Adjusted Qualitative Points - 264 Adjusted Ordinal Score - 26 Final Ranking - 9

CES Consultants, Inc.

Eligibility: Group B Adjusted Qualitative Points – 263 Adjusted Ordinal Score – 29 Final Ranking – 10

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 265 Adjusted Ordinal Score – 31 Final Ranking – 11

Pursuant to the Cone of Silence legislation included in the Conflict of Interest and Code of Ethics Ordinance, and Section 2-11.1 of the County Code, the County Mayor or his designee will report to the Board of County Commissioners any of the following instances:

· When negotlations do not commence, or other affirmative action is not taken, within 30

# DEPARTMENT OF

FIRM NAME: KIMLEY-HORN AND ASSOCIATES, INC.

# MIAMI DADE COUNTY

Small Business Development A&E Firm History Report

From: 10/18/2013 To: 10/18/2016

PRIMES

\$80,000,00 11/01/2013 NO MEASURE Š SW 216 STREET ROADWAY IMPROVEMENTS 1221 Brickell Ave, 400 Miami, FL 33131-0000 EDP-PW-5R-20040348 -EDP-MT-SR-OSP161

\$280,000.00 Total Award Amount

Indicates closed or expired contracts
 Disclaimer. Payments shown may not reflect current information
 Wednesday, October 19, 2016

Page 1

Ver: 1

DBDR0212\_E v.20150827

# MIAMI DADE COUNTY

Small Business Development A&E Firm History Report

From: 10/18/2013 To: 10/18/2016

PRIMES

FIRM NAME: KIMLEY-HORN AND ASSOCIATES, INC. 1221 Brickell Ave, 400 Miami, Fl. 33131-0000

\$80,000.00 11/01/2013 NO MEASURE SW 216 STREET ROADWAY IMPROVEMENTS EDP-PW-SR-20040348

Total Award Amount

\* Indicates closed or expired contracts
Disclaimer. Payments shown may not reflect current information

Wednesday, October 19, 2016

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DBDR0212\_E v.20150827

Ver: 1

## **EXHIBIT K**



# Capital Improvements Information System Contractor Evaluations Report

	Dept <u>Contract Type</u> PR <u>E00-</u> PSA PARK-	Contractor / Architect Name <u>Date</u> <u>Rater</u> Kimley-Horn and Associates, Inc. 2/23/2007 David Livingstone	<u>Period</u> Completion of study or de	<u>Rate</u>
V	01 <u>R1-4</u> VS <u>E01-</u> PSA <u>WASD-</u> 05,	Klmley-Horn and Associates, Inc. 2/23/2007 Sara Leu	Completion of study or de	
	Project 3, EP 3 WO: <u>Task</u> 01	•	•	
PV PV W	W <u>20040348</u> PSA W <u>662519</u> PSA W <u>20040348</u> PSA S <u>E</u> 04- PSA	Kimley-Horn and Associates, Inc. 2/27/2007 Prisciila M. Morales Kimley-Horn and Associates, Inc. 8/8/2007 Lana Moorey 12/18/2007 Prisciila M. Morales Kimley-Horn and Associates, Inc. 4/9/2008 Alex Retamar	Interim Interim Interim	<u>3.1</u> 4.0 3.4
PV WS	S <u>E04-</u> PSA <u>WASD-01</u>	Kimley-Horn and Associates, Inc. 6/3/2008 Lana Moorey Kimley-Horn and Associates, Inc. 8/11/2008 Alex Retamar	Interim Interim Project conclusion or close	<u>1.5</u> 4.0
PR	E <u>E00-</u> PSA <u>PARK-</u> <u>01,R1-4</u> WO: 1	Kimley-Horn and Associates, Inc. 9/22/2008 John Gouthro	Interim	3.8
WS	B <u>E05-</u> PSA <u>WASD-</u> 13, <u>GOB</u> WO: <u>Task</u>	Kimley-Horn and Associates, Inc. 1/12/2009 Felix Valdes	Interim	<u>3,8</u>
SP	<u>No.2</u> <u>E04-SEA-</u> PSA <u>01</u> WO: <u>4</u>	KImley-Horn and Associates, Inc. 3/5/2009 James P. Ferrelra	Interim	3. <u>9</u>
SP	<u>E04-SEA-</u> PSA <u>01</u> WO: <u>5</u>	Kimley-Horn and Associates, Inc. 3/5/2009 James P. Ferreira	Interim	<u>3.8</u>
SP	<u>E04-SEA-</u> PSA <u>01</u> WO: <u>7</u>	Kimley-Horn and Associates, Inc. 3/5/2009 James P. Ferreira	Interim	<u>3,9</u>
SP.	<u>E04-SEA-</u> PSA <u>01</u> WO: <u>9</u>	Kimley-Horn and Associates, Inc. 3/5/2009 James P. Ferreira	Interim	<u>3,8</u>
SP	<u>E04-SEA-</u> PSA <u>01</u> WO: <u>I1</u>	Kimley-Horn and Associates, inc. 3/5/2009 James P. Ferreira	Interim	<u>3.9</u>
PW PW PW PR	20070718 PSA 662519 PSA 20070718 PSA 999999- PSA 05-002-2	Kimley-Horn and Associates, Inc. 5/5/2009 Lana Moorey Kimley-Horn and Associates, Inc. 5/18/2009 Lana Moorey Kimley-Horn and Associates, Inc. 2/20/2014 Lana Moorey Kimley-Horn and Associates, Inc. 11/18/2014 Caesar Phillips	interim Completion of study or design Completion of study or design Completion of study or design	3.8
PR PW	<u>999999-</u> PSA <u>05-002-2</u> <u>20040343</u> PSA	Kimley-Horn and Associates, Inc. 11/24/2014 Caesar Phillips	Completion of study or design	•
PW	20040348 PSA WO: 1	Kimley-Horn and Associates, Inc. 3/17/2015 Lana Moorey Kimley-Horn and Associates, Inc. 3/18/2015 Fernando Mardones	Interim Completion of study or design	<u>3.2</u> 3.0
PW	20040348 PSA WO: 2	Kimley-Horn and Associates, Inc. 3/18/2015 Fernando Mardones	Interim	<u>3.2</u>

Evaluation Count: 23 Contractors: 1 Average Evaluation: 3.5

Exit



Date:

November 16, 2016

2016 NOV 18 AM 10: 48

ERK, CIRCUIT & COUNTY CTS IIXMI-DADE GOUNTY, FLA.

To:

Honorable Carlos A. Gimenez

Mayor

From:

Lester Sola, Director

Water and Sewer Department

Subject:

Recommendation approving award of a Non-Exclusive Professional Services Agreement to A&P Consulting Transportation Engineers Corp. for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects) — Project No. E15-

WASD-01; Contract No. 16APCT005

#### **RECOMMENDATION:**

Pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance, Section 2-8.2.12 of the Code of Miami-Dade County, it is recommended that the County Mayor or County Mayor's designee approve the attached Non-Exclusive Professional Services Agreement to A&P Consulting Transportation Engineers Corp. for engineering design and related services for the design of large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors. Group A (Ocean Outfall Legislation Projects) — Project No: E15-WASD-01; Contract No: 16APCT005. The total compensation amount is \$5,500,000 with a total contract term of six (6) years. For this Project, Miami-Dade County Intends to retain six (6) qualified firms under six (6) separate Professional Services Agreements. This contract award recommendation was prepared by WASD.

#### **DELEGATION OF AUTHORITY:**

Pursuant to the provisions of Section 2-8.2.12 of the Miami-Dade County Code, the County Mayor or County Mayor's designee will have the authority to execute, amend and terminate the Agreement and to resolve disputes. Additionally, pursuant to the provisions of Sections 2-8.2.12 (4)(d) and (e) of the Code, the County Mayor or County Mayor's designee will have the authority to amend and/or extend the Agreement to complete any unfinished work, waive liquidated damages, negotiate and settle claims, and execute change orders that do not exceed ten percent (10%) of the base contract amount.

#### PROJECT NAME:

Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines Group A (Ocean Outfall Legislation Projects).

#### PROJECT DESCRIPTION:

A&P Consulting Transportation Engineers Corp. will provide engineering services for utility design, including planning and permitting assistance during construction for system upgrades to large sewer pipelines. The scope of services consists of complete design services, which includes, but is not limited to: performance of preliminary route analysis; site investigations; surveying; maintenance of traffic plans; hydraulic analysis; coordination with other utilities; coordination with other municipalities and the public; preparation of design reports; preparation of drawings and contract specifications; preparation of design-build criteria packages; assistance during the permitting and procurement phases; and engineering support during construction. Engineering support during construction is anticipated to

Honorable Carlos A. Gimeriaz Project No. E15-WASD-01 Page 2

not limited to: periodic site inspections; attendance at meetings; review of shop drawings; responding to requests for information; reviewing claims and potential change orders; reviewing contract schedules and schedule of values; and reviewing as-built drawings. Project coordination services are anticipated to include, but are not limited to: establishing a plan to implement projects; establishing and tracking project schedules, budgets and deadlines; preparing status reports; and attending meetings as requested.

PROJECT LOCATION:

Throughout Miami-Dade County

PRIMARY COMMISSION DISTRICT:

Various Commission Districts

#### APPROVAL PATH:

Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12 of the Code of Miami-Dade County.

MANAGING DEPARTMENT:

Miami-Dade Water and Sewer Department

SMALL BUSINESS DEVELOPMENT (SBD):

**REVIEW DATE:** 

08/10/2015

SIGNOFF DATE:

08/13/2015

RESUBMITTAL DATE:

11/25/2015

SIGNOFF DATE:

11/25/2015

01/29/2016

02/01/2016

SBD ASSIGNED CONTRACT MEASURES: See attached Exhibit "A", "Project Worksheets".

TYPE	GOAL	COMMENT
SBE-A/E	20.00%	Implementing Order 3-32
SBE-Goods and Services	N/A	Implementing Order 3-41

#### PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

Туре	Code	Description
Prime	6.01	Water Distribution and Sanitary Sewer Systems – Water
		Distribution and Sanitary Sewer Collection and Transmission
		Systems
Prime	17.00	Engineering Construction Management
Other	15.01	Surveying and Mapping - Land Surveying
Other	16.00	General Civil Engineering

#### SUBCONSULTANTS:

The chart below indicates the list of Subconsultants that will be utilized under this Agreement and which of those Subconsultants are being used to meet the Small Business Enterprise measures as indicated above. See attached Exhibit "B", "Letters of Agreement".

SUBCONSULTANT	GOAL	SERVICES
300 Engineering Group, P.A.	20%	Pipeline Engineering, Hydraulic Analysis
Jacobs Engineering Group, Inc.	N/A	Water Distribution and Sanitary Sewer Systems – Water Distribution and Sanitary Sewer Collection and Transmission Systems 16.00 General Civil Engineering
Robayna and Associates, Inc.	5%	Surveying and Mapping – Land Surveying

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Honorable Carlos A. Gimelicz Project No. E15-WASD-01 Page 3

APPLICABLE WAGES (RESOLUTION No. R-54-10): No

MANDATORY CLEARING HOUSE: No

#### FISCAL IMPACT / FUNDING SOURCE:

Wastewater Connection Charges; Future WASD Revenue Bonds; WASD Revenue Bonds Sold; WASD Future Funding and Wastewater Renewal Fund.

#### CAPITAL BUDGET PROJECT # - DESCRIPTION:

See attached Exhibit "C", "Capital Budget Information".

PTP FUNDING:

Νo

GOB FUNDING:

No

ARRA FUNDING:

No

**SUSTAINABLE BUILDINGS ORDINANCE:** (Ord. 07-65): This project does not qualify for compliance with the Sustainable Buildings Ordinance.

TOTAL CONTRACT PERIOD:

Six (6) years

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES:

No

BASE CONTRACT AMOUNT:

\$5,000,000

CONTINGENCY ALLOWANCE IN ACCORDANCE WITH

ORDINANCE 00-65:

\$ 500,000

TOTAL CONTRACT AMOUNT:

\$5,500,000

SEA LEVEL RISE (ORD. NO. 14-79): The impact of sea level rise will be considered as part of the design.

#### TRACK RECORD / MONITOR: None

Due diligence was conducted by WASD and the Internal Services Department (ISD) in accordance with ISD Procurement Guidelines to determine responsibility, including verifying corporate status and performance and compliance data. The lists that were reviewed include: convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to A&P Consulting Transportation Engineers Corp.'s responsibility. This information is being provided pursuant to Resolution R-187-12.

#### **EXPLANATION:**

On September 2, 2015, a Notice to Professional Consultants was issued under full and open competition for seven (7) separate Non-Exclusive Professional Services Agreements with a total compensation amount of \$5,000,000 each. On November 30, 2015, Request to Advertise (RTA) Revision No. 1 was filed with the Clerk of the Board to modify the total amount of Professional Services Agreements from seven (7) to three (3) with a total compensation amount of \$10,000,000. See attached Exhibit "D", "RTA Revision No. 1". After receiving industry feedback,

\$10,000,000. See attached Exhibit "D", "RTA Revision No. 1". After receiving industry feedback, WASD revisited the scope of services and minimum experience and qualifications and filed RTA Revision No. 2 on February 12, 2016, with the Clerk of the Board. RTA Revision No. 2 increased the amount of Professional Services Agreements from three (3) to eight (8) with a total compensation amount of \$5,000,000 each. See attached Exhibit "E", "RTA Revision No. 2". On March 11, 2016, the Clerk of the Board received twenty-one (21) proposals in response to this solicitation, See attached Exhibit "F", "List of Respondents".

#### **FIRST-TIER MEETING:**

At the First-Tier "Evaluation of Qualifications" meeting held on June 23, 2016, the Competitive Selection Committee reviewed and ranked the twenty-one (21) proposals. The Competitive Selection Committee evaluated and ranked the firms in the order listed below. See attached Exhibit "G", "First-Tier Tabulation Sheet".

Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
A&P Consulting Transportation Engineers	460 276	1	12	1
Corp. Black and Veatch Corporation	451 268	4	15	2
Kimley-Horn Associates,	457 278	1	19	3
Stantec Consulting Services, Inc.	443 276	1	21	4
Jacobs Engineering Group, Inc.	450 272	2	23	5
Wade Trim, Inc.	446 275	. 3	25	6
EAC Consulting, Inc.	443 264	5	25	7
Parsons Brinkerhoff, inc.	445 269	3	26	8
Tetra Tech, Inc.	446 264	5	26	9
CES Consultants, Inc.	438 263	5	29	10
King Engineering Associates, Inc.	442 265	4	31	11
Gannett Fleming, Inc.	439 262	6	34	12
Hazen and Sawyer, P.C.	438 261	6	34	13
Parsons Water and Infrastructure, Inc.	434 259	7	34	14
Keith and Schnars, P.A.	433 258	16	35	15
T.Y. Lin International	428 253	8	39	16



Firm	Total & Adjusted Qualitative Scores	Adjusted Qualitative Ranking	Total Adjusted Ordinal Scores	Ordinal & Final Ranking
BCC Engineering, Inc.	425 259	7	45	17
Woolpert, Inc.	426 254	7	46	18
A.D.A. Engineering, Inc.	425 252	9	47	19
CAS Engineering, Inc.	412 247	. 10	55 .	20
CSA Central, Inc.	399 239	10	60	N/A

The Competitive Selection Committee by majority vote decided not to hold a Second-Tier (Oral Presentation) meeting and recommended the following firms listed below to the County Mayor or County Mayor's designee for approval to negotiate a contract:

Group A (Ocean Outfall Legislation Projects)

- 1. A&P Consulting Transportation Engineers Corp.
- 2. Black and Veatch Corporation
- 3. Kimley-Horn Associates, Inc.
- 4. Stantec Consulting Services, Inc.
- 5. Jacobs Engineering Group, Inc.
- 6. Wade Trim, Inc.

Group B (Non-Ocean Outfall Legislation Projects)

- 7. EAC Consulting, Inc.
- 8. Parsons Brinkerhoff, Inc.

On July 6, 2016, SBD completed its review for compliance with SBE measures as noted above and determined that twenty (20) firms were in compliance with the exception of CSA Central, Inc. See attached Exhibit "H", "SBD Compliance Review".

The Negotiation Committee was approved by the County Mayor's designee on July 27, 2016. See attached Exhibit "I", "Negotiation Authorization". On August 11, 2016, the Negotiation Committee met and concluded negotiations with A&P Consulting Transportation Engineers Corp.

SUBMITTAL DATE: March 11, 2016

**ESTIMATED NOTICE TO PROCEED:** October 31, 2016.

A/E COMPANY: A&P Consulting Transportation Engineers Corp.

PRINCIPAL/COMPANY QUALIFIER: Carlos M. Gil-Mera, P.E.

EMAIL ADDRESS: cmgil@apcte.com

COMPANY ADDRESS: 10305 NW 41 Street, Suite 115

Doral, Florida 33178

YEARS IN BUSINESS: 21 Years

Honorable Carlos A. Gimeraz Project No. E15-WASD-01 Page 6

#### PREVIOUS EXPERIENCE WITH THE COUNTY IN THE PAST THREE (3) YEARS:

According to the Firm History Report provided by the Internal Services Department, Division of Small Business Development, A&P Consulting Transportation Engineers Corp. has been awarded three (3) contracts with Miami-Dade County with a total contract value of \$8,880,108.00. See attached Exhibit "J", "Firm History Report".

Based on the Internal Services Department's CIIS database, A&P Consulting Transportation Engineers Corp. has twenty-three (23) evaluations with an average 3.8 rating out of a possible total 4.0 points for the time period January 2006 through October 2015. See attached Exhibit "K", "Contractor Evaluations Report".

#### MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipelines transmission systems.
- 2. The Prime Consultant should demonstrate their successful experience with design, permitting and construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, and ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team should demonstrate their successful design experience with trenchless technologies, including but not limited to micro-tunneling and horizontal directional drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

CONTRACT MANAGER NAME/PHONE/EMAIL: Patty Palomo/786-552-8040/

Patty.Palomo@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL: Victor Fernandez-Cuervo/786-268-5310/

Victor, Fernandez-Cuervo@miamidade.gov

Honorable Carlos A. Gim( Project No. E15-WASD-01 Page 7

#### BACKGROUND:

The Request to Advertise and the two Revisions to the Request to Advertise identified both water and wastewater projects that needed to be completed. WASD will be recommending a total of eight (8) firms under eight (8) separate professional services agreements. Six firms will work on large diameter sewer pipelines for Ocean Outfall legislation projects, and two (2) firms will on work on large diameter water pipelines for non-Ocean Outfall legislation projects. This Agreement with A&P Consulting Transportation Engineers Corp. is one of the six agreements that will be issued for wastewater projects.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of over 2.3 million, making it among the largest water/wastewater utilities in the United States. WASD has developed a Multi-Year Capital Improvement Program (CIP) to upgrade its infrastructure system throughout the County in order to renew and replace its existing deteriorated system and to ensure efficient, reliable water and wastewater systems throughout the County in order to accommodate future growth and development. WASD recognizes the need for design services for large pipeline design and implementation of critical projects which are an integral part of the CIP.

Honorable Carlos A. Gimenez Project No. E15-WASD-01 Page 8

### SIGNATURE PAGE Project No: E15-WASD-01

JENNIFER MOON  JENNIFER MOON  OMB DIRECTOR	DATE
Approved as to legal sufficiency:	
SARAH E. DAVIS ASSISTANT COUNTY ATTORNEY	11/8/16 DATE
LESTER SOLA ON BEHALF OF. COUNTY MAYOR CARLOS GIMENEZ	11/18/16 DATE /



## Small Business Development Division

Project Worksheet

Project/Contract Titles

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN

Received Date:

11/25/2015

OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR

THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND

WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

Funding Sources

Resubmittal Date(s): 08/03/2015

Project/Contract No:

BIS-WASD-01 WATER AND SEWER

WASD REVENUE BONDS

01/29/2016

Department:

SOLD

Estimated Cost of Project/Bld: \$44,000,000.00

Description of Project/Bid:

To establish a contract scaking three (3) engineering firms to provide engineering design and related services for the design of large diamoter and wastewater pipulines for WASD's wastewater and water collection, transmission and distribution system.

	Ус. Сонта ср Мер	entes Recommenda	(lon	
	Measure Goal	Program SBE/AB	Goal Percent 20,00%	
ı	No Measure	SBE/G8		· · · · · · · · · · · · · · · · · · ·

	asons for Recommendation
保った こうさい かんけん もっけん はんり はんしん はんしん はんしょう かんさん	8

This resubmitted increases the number agreements to be established from (3) to (8) and increases the overall contract amount from \$11 million to \$44

E15-WASD-01 will establish eight (8) agreemonts at \$5.5 million each, a 10% confingency allowance included.

SMALL BUSINESS ENTERPRISE - ARCHITECTURAL & ENGINBERING (SBE/AB)

An analysis of the factors contained in the project package, as well as the factors contained in Section V. B. 2. C. of Implementing Order 3-32 and the responses of certified SBB/AB firms to the Verification of Availability to Propose process indicates that a 20% SBE/AE Sub-Consultant Goal is appropriate for this confract. Verification of Availability to propose letters were sent to the SBB/AE firms certified in the technical outegories below.
Three (3) or more firms did not respond to Verification of Availability process us being able to satisfy the contract's requirements.

SMALL BUSINESS ENTERPRISE - GOODS & SERVICES (SBE/GS)

An analysis of implementing Order 3-41 & Ordinance 14-41, as well as the project package indicates a No Measure appropriate to the SBE/GS portion of this contract,

Commodity Code: 91812-Analytical Studies And Surveys (Consulting)

Technical Category: 060 1-W & 5 Sewer Sys-Water Dist & Sunitary Sewage Coll; 1501-Surveying And Mapping-Land Surveying; 1600-General Civil Engineering: 1700-Engineering Construction Management

AT IT TO BE LEGISLESS TO STREET TO THE CONTROL OF STREET TO STREET		Estimated Value	% of Items to Base Bld	Availability
Sybtrade W & S SEWER SYS-WATER DIST & SANITARY SEWAGE	Cat, \$BE/AE	\$3,080,000,00	7.00%	
COLL SURVEYING AND MAPPING-LAND SURVEYING	SBE/AB	\$2,200,000.00	5,00%	
BENERAL CIVIL ENGINEERING	SBE/AE	\$2,200,000.00	5,00%	
ENGINEERING CONSTRUCTION MANAGEMENT	\$85/AB \$85/BB	\$1,320,000.00	3,00%	
	otal	\$8,800,000.00	20,00%	<del></del> - <del>-</del>

Living Wagest Responsible Wages: YES

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



## Small Business Development Division Project Worksheet

Project/Contract Title:

ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM

E15-WASD-01

Funding Source:

Resubmittal Date(s): 08/03/2015

Received Date:

01/29/2015

11/25/2015

Project/Contract No. Departments

WATER AND SEWER

WASD REVENUE BONDS

SOLD

Estimated Cost of Project/Bid: \$44,000,000,00

TO COMPANY OF THE PROPERTY OF	THY RECOMMENDATION	
THE PARTY OF THE P	The transfer of the second sec	<u>  34 31   22 31   2</u>
Tier 1 Set Aside	Tler 2 Set Aside	
Set Aside Level 1	T Jone Y	
Trade Set Aside (MCC)	Bid Prefere	ence
No Measuro	Deferred Solection F	actor
CWI	SBD Director	· 0///6

## **EXHIBIT B**

THIS SECTION MUST BE COMPLETED BY PRIME PROPOSER/DESIGN-BUILDER



# Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

From:	A&P Consulting Transpo	ortation Engine	ers, Corp.		
	Na	ne of Prime P	roposer / Design-	Builder	•
Small Bu percentag of the pro- signing the	siness Enterprise – Architect e, if awarded the contract. ojected work assignment(s)	ural & Engineer The undersigne to be performe	ing (SBE-A/E) fined further certifies dupon execution	D-01, the undersigned hereby agree in listed below, performing the stated we that the firm has been contacted and prof the contract with Miami-Dade Country by all the Provisions of the SBE-Goo	ork at the stated coperly apprised by. Further, by
*Name of	f Proposed SBE-A/E Firm_3	00 Engineering	Group, PA	<del> </del>	<del></del>
	ame of Certified SBE-A/E *Prime/Sub SBE-A/E meeting the goal)	SBE-A/E Certification Number	SBE-A/E Certification Expiration Date	Type of Work to be Performed (Technical Certification Categories)	Percentage Amount of Design Fee
300 En	gineering Group, PA	13744	3/31/2018	0601, 1600, 1700	25%
····-	COMPLETE THIS Sections that the representations cont	SECTION ONLY	FOR DESIGN/BUIL	r's Name/Title (Print) (Dat  DPROJECTS  f my knowledge true and accurate	e)
Lead A	/E Firm Signature	Le	ad A/E Firm Nam	e/Title (Print) (Da	te)
	THIS SECTION MUST	BE COMPLETE	D BY THE SBE-A/	SUBCONSULTANT	
The under certification and the above SBI	rsigned has reasonably uncoons necessary to provide such that the	ommitted capace the services, the coposal specific re	ity sufficient to prability to provide ations.  3/4	UTECTURAL & ENGINEERING Date	and tachnical
SRI	3 4 M G T	D	,		
	E-A/E Subconsultant Name (	Print)		Γitle .	
30	B-A/E Subconsultant Name ( 0 Engineering Group, PA ne of SBE-A/E Firm			l'itle  ide,gov/ousiness/reports-certification-lists,asp	

SBD's Website: http://www.miamidade.gov/smallbusiness/

Small Business Development Division – Internal Services Department

SBD 105 (Revised 10/14)



# Letter of Agreement (LOA) Small Business Enterprise Architectural & Engineering (SBE-A/E) Program

THIS SECTION MU	ST:BE COMPL	ETED BY PRIME P	ROPOSER/DESIGN-BUILDER	श-इंग्डिंग्डिंग्डिंग्डिंग्डिंग्डिंग्डिंग्डि
From: A&P Consulting Transpor				
. Nam	e of Prime Pr	coposer / Design-l	Builder	•
Small Business Enterprise - Architecture percentage, if awarded the contract. To of the projected work assignment(s) to	ral & Engineer The undersigne to be performed undersigned co	ing (SBE-A/E). firm ed further certifies if upon execution consents to be boun	D-01, the undersigned hereby agreed in listed below, performing the stated we that the firm has been contacted and proof the contract with Miami-Dade Country d by all the Provisions of the SBE-Good	ork at the stated operly apprised by. Further, by
		-		Percentage
Name of Certified SBE-A/E *Prime/Sub	SBE-A/E Certification	SBE-A/E Certification	Type of Work to be Performed (Technical	Amount of
(SBE-A/E meeting the goal)	Number	Expiration Date	Certification Categories)	Design.Fee
Robayna and Associates, Inc.	1/31/2018	2034	1501, 1503	5%
Proposer's Design Builder Signature  COMPLETE THIS SE  I certify that the representations conta	ECTION <u>:</u> ONIEY.	,	DPROJECTS	
Lead A/E Firm Signature	, Le	ead A/E Firm Nam	e/Title (Print) (Da	te)
THIS SECTION MUST E	E COMPLETE	D BYTHE SRE-A/	SUBCONSULTANT AND AND AND AND AND AND AND AND AND AND	જિલ્લો જુનુક પૂર્વા
ACKNOWLEDGMENT BY THE understoned has reasonably uncor	E PROPOSI mmitted capace a services, the	ED SBE – ARCI hity sufficient to probability to provide	HTECTURAL & ENGINEERING For ovide the required services, all licenses such services consistent with normal incomes	and technical
		March	<del></del>	
SBE-A/E Subconsultant Signatur	е	Ι	Date	
Rafael L. Robayna		Preside Preside	ent	
SBE-A/E Subconsultant Name (F	rint)		Title	
Robayna and Associates, Inc.				
Name of SBE-A/E Firm	List of Certified Fi	irms: <u>http://www.miamid</u>	ade.gov/business/reports-certification-lists.asp	
	SBD's Website: htt	vog.absbimsim.www.\\:c	smallbusiness/	

Small Business Development Division - Internal Services Department

SBD 105 (Revised 10/14)

#### **EXHIBIT C**

## FY 2016 - 17 Proposed Budget and Multi-Year Capital Plan

UPGRADE OF MIAMI SPRINGS PUMP STATIONS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 967730

DESCRIPTION: LOCATION:

Upgrade electrical control panels, pumps and proprietary SÇADA system Various Sites

Various Sites

District(s) Served;

Systemwide

REVENUE SCHEDULE: BBC GOB Financing BBC GOB Series 2008B-1 BBC GOB Series 2011A	PRIOR 20 559 8	2016-17 2016-17 40 0	2017-18 111 0 0	2018-19 100 0	2019-20 0 0	2020-21 0 . 0	2021-22 0 0 0	FUTURE 0 0 0	TOTAL 271 - 559
TOTAL_REVENUES;	587	40	111	100	0	0	, 0	0	838
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	° 2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	587	40	111	100	0	0	0	0	838
TOTAL EXPENDITURES:	587	40	111	100	, ,	n			838

WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT

Throughout Mlami-Dade County

PROJECT #:

968090

DESCRIPTION: LOCATION:

Install new sewer service to commercial properties utilizing septic tanks

Various Sites

District Located:

District(s) Served:

TBD TBD

1									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	. 0	561	882	435	5,364	5,859	3,000	134,493	150,594
WASD Revenue Bonds Sold	3,319	0	. 0	0	0	0	0	0	3,319
TOTAL REVENUES:	3,319	581	882	435	5,364	5,859	3,000	134,493	153,913
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	<b>FUTURE</b>	TOTAL
Construction	2,656	449	706	348	4,291	4,687	2,400	107,594	123,131
Land Acquisition/Improvements	132	22	35	17	215	234	120	5,380	6,155
Planning and Design	531	90	141	70_	858	938	480	21,519	24,627
TOTAL EXPENDITURES;	3,319	561	882	435	5,364	5,859 -	3,000	134,493	153,913

WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT

PROJECT #: 968150

DESCRIPTION: LOCATION:

Design, construct, and rehabilitate collection and transmission infrastructure lines to comply with EPA Consent Decree 'Various Sites

District Located:

Countywide

Throughout Mlaml-Dade County

District(s) Served:

Countywide

•									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	78,223	7,223	54,200	42,277	20,770	15,024	15,273	136,984	,369,974
WASD Revenue Bonds Sold	42,645	0	0	0	0	0	ם ٔ	0	42,645
Wastewater Connection Charges	16,489	4,964	G	0	0	0	0	0	21,453
Wastewater Renewal Fund	8,082	0	0	0	0	. 0	0	0	8,082
TOTAL REVENUES:	145,439	12,187	54,200	42,277	20,770	15,024	15,273	136,984	442,154
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	92,876	47,411	48,238	37,627	18,485	13,371	13,593	121,916	393,517
Major Machinery and Equipment	7,304	3,729	3,794	2,959	1,454	1,052	1,069	9,589	30,950
Planning and Design	4,175	2,131	2,168	1,691 /	831	601	611	<b>5,4</b> 79	17,687
TOTAL EXPENDITURES:	104,355	53.271	54,200	42,277	20,770	15,024	15,273	136,984	442,154



#### WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS

PROJECT#: 968750

DESCRIPTION: Replace and install new pipelines in areas requiring service improvements

LOCATION:

Various Sites Various Sites

District Located:

District(s) Served:

Systemwide Systemwide

REVENUE SCHEDULE: WASD Revenue Bonds Sold Wastewater Renewal Fund	PRIOR 1,438 10,933	2016-17 0 0	2017-18 0 3,000	2018-19 0 3,000	2019-20 0 3,000	2020-21 0 3,000	2021-22 0 3,000	FUTURE 0 3,000	TOTÁL 1,438 28,933
TOTAL REVENUES:	12,371	0	3,000	3,000	3,000	3,000	3,000	3,000	30,371
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,371
TOTAL EXPENDITURES:	9,371	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,371

#### MIAMI SPRINGS CONSTRUCTION FUND - WASTEWATER

PROJECT #: 969110

DESCRIPTION: LOCATION:

Construct wastewater collection system improvements in Miami Springs Miaml Springs

District Located:

6 6

Miami Springs

District(s) Served:

REVENUE SCHEDULE: Mlaml Springs Wastewater Construction Fund	PRIOR 1,326	2016-17 0	2017-18 0	2018-19 . 0	2019-20 0	2020-21 0	2021-22 0	FUTURE 0	TOTAL 1,326
TOTAL REVENUES:	1,326	0	0	0	0	0	0	0 .	1,326
EXPENDITURE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	866	148	312	0	0	0	0_	0	1,326
TOTAL EXPENDITURES:	866	148	312	0	. 0	0	0	0	1,326

#### WATER TREATMENT PLANTS MISCELLANEOUS UPGRADES

PROJECT#: 9610960

LOCATION:

DESCRIPTION: Upgrade water treatment plants to meet regulatory requirements

Water Treatment Plants Various Sites

District Located: District(s) Served: Systemwide Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,500	8,032	7,366	127	0	D	0	18,025
WASD Revenue Bonds Sold	2,934	0	0	0	0	0	0	0	2,934
Water Construction Fund	344	0	0	0	0	0	0	0	344
Water Renewal and Replacement Fund	335	0	0	0	0	0	0	.0	335
TOTAL REVENUES:	3,613	2,500	8,032	7,366	127	0	0	0	21,63B
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	3,578	2,475	7,952	- 7 <sub>1</sub> 292	125	0	0	0	21,422
Planning and Design	35	25	80	74	2	0	0	0	216
TOTAL EXPENDITURES:	3,613	2,500	8,032	7,366	127	0	0	0	21,638

GRAVITY SEWER R			,     _ #0 #				PROJE	CT#: 96	50201	
DESCRIPTION; LOCATION;	Rehabilitate gravi Systemwide Various Sites	ty sewers to rec	duce intilitratio	. Distri	ct Located; ct(s) Served;	-	Systemwic Systemwic			
				•		•			•	*,
REVENUE SCHEDULE	:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenu		3,670	1,376	1,258	1,050	650	350	224	0 ,	8,57
WASD Revénue Bond	is 80 q =	5,153	. 0	0	1,050	0 650	350	224	0	5,15 13,73
TOTAL REVENUES:	, DOI: 5	8,823	1,376	1,258	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
EXPENDITURE SCHEI Construction	, DOTE!	PRIOR 8,381	2016-17 1,307	2017-18 1,195	2010-19	618	333	213	0	13,04
Planning and Design		442	69	63	. 52	32	17	11	0	68
TOTAL EXPENDITURI	ES:	8,823	1,376	1,258	1,050	650	. 350	224	0	13,73
,										
	_ # 4_1				-				w	
SÀNITARY SEWER DESCRIPTION:	SYSTEM IMPRO Construct sanitary districts		Improvement	s using funds	from the speci	al constructio	PROJE n fund includi		<b>50221</b> Ing	
LOCATION:	Systemwide Various Sites				ict Located: ict(s) Served:	•	Systemwii Systemwii			
	,	,				•				
REVENUE SCHEDULE	<u>:</u>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Wastewater Special C		50,380	- 0	0	0	O	0	0	0	50,38
TOTAL REVENUES:	=	50,380	0	0	0	0	0	0	0	50,38
EXPENDITURE SCHEI	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Construction	=	5,288	2,500	2,500	2,500	2,500	2,500	32,592	0	50,38
TOTAL EXPENDITURE	ES:	5,288	2,500	2,500	2,500	2,500	2,500	32,592	. 0	50,38
			,				•			
CENTRAL MIAMI-DA	ADE WASTEWA	TER TRANSM	NISSION MA	UNS AND P	UMP STATIC	Ņ.	PROJE	CT#: 96	50241	
DESCRIPTION:	Construct a force	main crossing.	Bear Cut, a fo	rce main in Fi	agler St from S	SW 37 Ave to	SW 10 Ave, a	and a force m	aln	
	from Mlami Beac			•						
LOCATION;	Wastewater System City of Miami	em - Central Dis	strict Area		lct Located: lct(s) Served:		Systemwi Systemwi			
•	Oky of Milanii		•	Plott	101(0) 0011041		0,012,11111			
				-		•				
REVENUE SCHEDULE	<u>:</u>	PRIOR	2016-17	2017-1B	2018-19	2019-20	2020-21	2021-22	FUTURE	ATOTA
Future WASD Revenu		1,132	7,127	17,360	17,450	18,583	19,421	13,430	55,255	149,75
WASD Future Funding		0	. 0	0	0	0	0	0	828	82
WASD Revenue Bond	-	6,505 13,352	0 6,132	. 0 4,000	0 5,000	, 2'000 Ö	0 7,000	0 7,000	0 17,732	6,50 65,21
Waslewater Connection  FOTAL REVENUES:	m onarges =	20,989	13,259	21,360	22,450	23,583	26,421	20,430	73,815	222,30
	ni ii È,	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
EXPENDITURE SCHEI Construction	DULE:	10,010 `	2016-17 9,419	17,377	2010*19 17,673	19,717	21,601	17,570	77,816	191,18
Planning and Design		1,629	1,533	2,830	2,877	3,210	3,517	2,860	12,668	31,12
TOTAL EXPENDITURE		11,639	10,952	20,207	20,550	22,927	25,118	20,430	90,484	222,30

Estimated Annual Operating Impact will begin in FY 2019-20 in the amount of \$2,253,000

DESCRIPTION: Construct regional LOCATION: Systemwide	AND OFFICE I Il general mainte		s, office faciliti	es, and storaç et Located;	je warehouse	PROJE s Systemwid		50271	
Various Sites				ct(s) Served:		Systemwid			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	8,520	11,759	11,192	5,637	18,040	349	0	55,497
WASD Revenue Bonds Sold	1,335	0	0	0	0	0	0	0	1,333
OTAL REVENUES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,83
XPENDITURE SCHEDULE; Construction	PRIOR 1,201	2016-17 7,668	2017-18 10,583	2018-19 10,073	2019-20 5,073	2020-21 16,236	2021-22 314	FUTURE 0	TOTA 51,14
Constitution Planning and Design	134	852	1,176	1,119	564	1,804	35	0	5,68
OTAL EXPENDITURES:	1,335	8,520	11,759	11,192	5,637	18,040	349	0	56,83
VASTEWATER EQUIPMENT AND V	EHICLES					PROJE	CT#: 96	50301	
DESCRIPTION: Acquire vehicles,		l associated w			upport materia				
LOCATION: Systemwide	•			ct Located;		Systemwic			
Various Sites			Distri	ct(s) Served:		Systemwic	16		
				0040 40	0040 00	0000.04	no seo	CHTHEC	TOTA
REVENUE SCHEDULE: WASD Revenue Bonds Sold	PRIOR 552	2016-17 0	2017-18 0	2018-19 0	2019-20	2020-21 0	2021-22 , 0	FUTURE 0	101A
Wastewater Renewal Fund	41,380	12,436	11,500	11,500	11,500	11,500	11,500	11,500	122,81
TOTAL REVENUES:	41,932	12,436	11,500	11,500	11,500	11,500	11,500	11,500	123,36
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTA
Major Machinery and Equipment	35,875	18,493	11,500	11,500	11,500	11,500	11,500	11,500	123,36
TOTAL EXPENDITURES:	35,875	18,493	11,500	11,500	11,500	11,500	11,500	11 <sub>,</sub> 500	123,36
	-								
			-						
			-			PROJI	ECT#: 96	550361	
DESCRIPTION: Maintain and des					d equipment			550361	
			Distr	structures, an ict Located; ict(s) Served;	d equipment	PROJI Systemwi Systemwi	de	350361	
DESCRIPTION: Maintain and des LOCATION: Systemwide			Distr	ict Located;	d equipment	Systemwi	de	350361	
DESCRIPTION: Maintain and der LOCATION: Systemwide Various Sites	velop existing w :		Distr	ict Located;	d equipment	Systemwi	de	550361 FUTURE	701/
DESCRIPTION: Maíntain and de LOCATION: Systemwide Various Sites		astewater sys	Distr Distr 2017-18 0	ict Located; ict(s) Served; 2018-19 0	2019-20 0	Systemwi Systemwi 2020-21 0	de de 2021-22 0	FUTURE	3,1
DESCRIPTION: Maintain and der LOCATION: Systemwide Various Sites REVENUE SCHEDULE:	velop existing w : PRIOR	astewater sys 2016-17 0 18,428	Distr Distr 2017-18 0 20,000	ict Located: ict(s) Served: 2018-19 0 20,000	2019-20 0 20,000	Systemwi Systemwi 2020-21 0 20,000	de de 2021-22 0 20,000	FUTURE 0 20,000	3,1 176,8
DESCRIPTION: Maintain and det LOCATION: Systemwide Various Sites  REVENUE SCHEDULE; WASD Revenue Bonds Sold Wastewater Renewal Fund	PRIOR 3,188 38,387 41,575	astewater sys  2016-17	2017-18 0 20,000 20,000	ict Located: ict(s) Served:  2018-19 0 20,000 20,000	2019-20 0 20,000 20,000	Systemwi Systemwi 2020-21 0 20,000 20,000	2021-22 0 20,000 20,000	FUTURE 0 20,000 20,000	3,1 176,8 180,0
LOCATION: Systemwide Various Sites REVENUE SCHEDULE: WASD Revenue Bonds Sold	velop existing w PRIOR 3,188 38,387	astewater sys 2016-17 0 18,428	Distr Distr 2017-18 0 20,000	ict Located: ict(s) Served: 2018-19 0 20,000	2019-20 0 20,000	Systemwi Systemwi 2020-21 0 20,000	de de 2021-22 0 20,000	FUTURE 0 20,000	TOT/ 3,1. 176,8 180,0 TOT/ 180,0

LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS PROJECT #:-9650371 DESCRIPTION: Repair, replace, and upgrade existing lift stations throughout the wastewater system LOCATION: Systemwide District Located: Systemwide Various Sites District(s) Served: Systemwide REVENUE SCHEDULE; PRIOR 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 **FUTURE** TOTAL 2,500 4,500 Future WASD Revenue Bonds 3,058 4,049 4,500 4,172 29,000 52,429 650 2,009 WASD Revenue Bonds Sold 2,009 0 0 Q 0 0 Đ 0 2,000 2,000 2,000 18,344 Wastewater Renewal Fund 6,344 0 2,000 2,000 2,000 **TOTAL REVENUES:** 9,003 2,500 6,500 6,049 6,500 6,172 31,000 72,782 5,058 EXPENDITURE SCHEDULE: PRIOR 2017-18 2019-20 2020-21 2021-22 FUTURE TOTAL 2016-17 2018-19 Construction 6,796 1,946 3,844 4,940 4,597 4,940 4,690 23,560 55,315

708

506

5,058

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$5,000,000

358

256

2.560

1,251

894

8.943

#### WATER MAIN EXTENSIONS

Land Acquisition/Improvements

Planning and Design

TOTAL EXPENDITURES:

PROJECT #:

9651051

4,340

3,100

31,000

864

618

6,172

10,188

7,279

72,782

DESCRIPTION: Systemwide

Construct water main extensions funded from the special construction fund, including special taxing districts

910

650

6,500

847

605

6,049

LOCATION:

District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

910

650

6,500

REVENUE SCHEDULE: Water Special Construction Fund	PRIOR 7,087	2016-17 595	2017-18 1,000	2018-19 1,000	2019-20 1,000	2020-21 2,000	2021-22 2,000	FUTURE 0	TOTAL 14,682
TOTAL REVENUES:	7,087	595	1,000	1,000	1,000	2,000	2,000	0	14,682
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	6,182	1,500	1,000	1,000	1,000	2,000	2,000	0	14,682
TOTAL EXPENDITURES;	6,182	1,500	1,000	1,000	1,000	2,000	2,000	0	14,682

#### SOUTH DISTRICT WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS

PROJECT # 9651061

**IMPROVEMENTS** 

Construct piping improvements to pump stallor number 536 and force main upgrade in SW 117 Ave DESCRIPTION:

LOCATION: Wastewater System - South District Area Various Sites

District Located: District(s) Served: Systemwide Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	1,962	8,212	18,269	23,917	28,324	23,162	17,911	160,934	282,691
WASD Future Funding	0	0	0	0	0	0	. 0	24,390	24,390
WASD Revenue Bonds Sold	1,360	0	0	0	0	Ò	0	0	1,360
TOTAL REVENUES:	3,322	8,212	18,269	23,917	28,324	23,162	17,911	185,324	308,441
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	2,724	6,734	14,981	19,612	23,226	18,993	14,687	151,966	252,923
Planning and Design	598	1,478	3,288	4,305	5,098	4,169	3,224	33,358	55,518
TOTAL EXPENDITURES:	3,322	8,212	18,289	23,917	28,324	23,162	17,911	185,324	308,441

PUMP STATION IMPROVEMENTS PROGRAM  DESCRIPTION: Upgrade pump stations systemwide to meet forecasted demands  LOCATION: Systemwide District Located;						PROJECT #: 9651071  Systemwide Systemwide						
	Varlous Sites			Distric	ot(s) Served:		Systemwid	6				
									•			
	REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 46,205	2016-17 12,545	2017-18 27,085	2018-19 27 <sub>1</sub> 972	2019-20 4,611	2020-21 4,536	2021-22 4,536	FUTURE 166,312	TOTAL 293,802		
	WASD Revenue Bonds Sold Wastewater Connection Charges	13,450 13,000	· 0	7,000 7,000	0 8,056	, 0 0	0 0	0	0	13,450 ,39,356		
	TOTAL REVENUES:	72,655	23,845	34,085	36,028	4,611	4,536	4,536	166,312	346,608		
	EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	`TOTAL		
	Construction	51,197	29,174	30,716	31,620	11,394	4,082	4,082	. 149,681	311,946		
	Land Acquisition/improvements	568	324	342	352	127	46	46	1,663	3,468		
	Major Machinery and Equipment	569	324	341	351	126	45	45	1,663	3,464		
	Planning and Design	4,551	2,593	2,731	2,811	1,013	363	363	13,305	27,730		
	TOTAL EXPENDITURES:	56,885	32,415	34,130	35,134	12,660	4,536	4,536	166,312	346,608		
		•										
			IEOUG UDA	DADEO	;		PROJE	CT#. DC	รวกถว			
	PUMP STATION GENERATORS AND DESCRIPTION: Install emergency				naradoa at wa	elewater num		C 1 #: 90	52002			
•	DESCRIPTION: Install emergency LOCATION: Systemwide	, Belletatora atti	GODSUUCE III		pyraces at wa lot Located:	arowarei bari	Systemwic	fe .	,			
	Various Sites				cl(s) Served:		Systemwic					
										,		
	•									•		
	REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL		
	Future WASD Revenue Bonds	1,754	3,675	7,194	16,024	13,806	49,735		351	104,419		
	WASD Revenue Bonds Sold	649	00	0	0	0	0	0	0	649		
	TOTAL REVENUES:	2,403	3,675	7,194	16,024	13,806	49,735	11,880	351	105,068		
	EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	20 <b>21-22</b> 9,742	FUTURE 288	TOTAL 86,155		
	Construction  Major Machinery and Equipment	1,969 73	3,014 110	5,899 216	13,139 481	11,321 414	40,783 1,492	356	.10	3,152		
	Planning and Design	361	551	1,079	2,404	2,071	7,460	1,782	53	15,761		
	TOTAL EXPENDITURES:	2,403	3,675	7,194	16,024	13,806	49,735	11,880	351	105,068		
		•	·		•				•			
		•										
	WASTEWATER TREATMENT PLAN DESCRIPTION: Upgrade wastew.				utraments		PROJE	CT#: 96	52061			
	LOCATION: Wastewater Trea				lct Located:		Systemwl	de				
	Various Sites				lct(s) Served;		Systemwl			٠,		
						•						
	•											
	REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL		
	Future WASD Revenue Bonds	, D	619	689	289	3,793	160	907	0 e = 0.1	6,457		
	WASD Future Funding	0 1,250	0 . 0	, 0	0 0	0	0 <b>0</b>	0	6,593 · · · 0	6,593 1,250		
	WASD Revenue Bonds Sold		619	689	289	3,793	160	907	6,593	14,300		
	TOTAL REVENUES:	1,250			2018-19		2020 <b>-2</b> 1	2021-22	FUTURE	TOTAL		
	EXPENDITURE SCHEDULE: Construction	PRIOR 1,175	2016-17 582	2017-18 648	2018-19 272	2019-20 3,566	150	852	6,198	13,443		
	Planning and Design	75	37	41	. 17	227	10	55	395	857		
	TOTAL EXPENDITURES:	1,250	619	689	289	3,793	160	907	6,593	14,300		

NORTH MIAMI-DADE I	WASTEWATE	R TRANSMIS	SION MAIN	S AND PUM	P STATION	PROJECT #: 9652101				
DESCRIPTION: I LOCATION; \	TON: Improve pump stations to increase system flexit			Distri	bility District Located: District(s) Served;			Systemwide Systemwide		
<i>(</i> *							•			,
REVENUE SCHEDULE:	•	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue i	Bonds	2,948	6,843	20,257	21,429	22,363	33,306	45,823	357,640	510,609
WASD Future Funding		Ò	0	0	. 0	0	0	0	599,197	599,197
WASD Revenue Bonds 9	Sold	447	. 0	0	Ó	0	. 0	0	Ò	447
Wastewaler Connection	Charges	727	1,080	1,068	2,781	4,696	0	0	0	10,352
TOTAL REVENUES:	,	4,122	7,923	21,325	24,210	27,059	33,306	45,823	956,837	1,120,605
EXPENDITURE SCHEDU	ILE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction		3,421	6,576	17,699	20,094	22,459	27,644	38,033	794,175	930,101
Planning and Design		701	1,347	3,626	4,116	4,600	5,662	7,790	162,662	190,504
TOTAL EXPENDITURES	:	4,122	7,923	21,325	24,210	. 27,059	33,306	45,823	956,837	1,120,605
Estimated An	nual Operaling I	mpact will begin	In FY 2017-1	8 in the amou	nt of \$2,330,0	00				

WASTEWATER TEL	EMETERING SY	STEM					PROJE	CT#: 96	52481	
DESCRIPTION:	Install a computer	system to mor	iltor and conti	ol wastewater	flows and pre	ssures at varl	ous pump stat	ions		
LOCATION:	LOCATION: Systemwide			Distr	ict Located;		Systemwide			
	Various Sites			District(s) Served:			Systemwide ,			
REVENUE SCHEDULE	<u>.</u>	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenu	e Bonds	700	579	0	0	0	0 `	0.	. 0	1,279
WASD Revenue Bond	s Sold	1,376	0	0	0	0	. 0	0	0	1,376
Wastewater Renewal I	Fund	2,432	0	. 500	500	500	500	500	500	5,432
TOTAL REVENUES:	=	4,508	579	. 500	. 500	500	500	500	500	B,087
EXPENDITURE SCHE	DULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction ·	_	3,227	1,860	500	500	500	500	500	. 500	8,087
TOTAL EXPENDITURE	:S:	3,227	1,860	500	500	500	500	500	. 500	8,087

TOTAL REVENUES:	4,508	579	. 500	. 500	500	500	500	500	В,ОВ7
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction'	3,227	1,860	500	500	500	500	500	500	8,087
TOTAL EXPENDITURES:	3,227	1,860	500	500	500	500	500	. 500	8,087
Estimated Annual Operating	Impact will begin	In FY 2017-1	8 In the amour	nt of \$10,000					
	•								
		•							
SOUTH MIAMI HEIGHTS WATER TI	REATMENT PI	ΑΝΤ ΑΝΟ	WELL EIELD			PROJE	CT#: 96	52821	
	treatment plant,				mains in sou			·	
LOCATION: 11800 SW 208 S				ct Located:	, ,	9			
Unlncorporated	Mlami-Dade Cou	inty	Distric	of(s) Served:		Systemwi	de .		
•									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18 -	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	16,546	1,500	18,726	13,533	11,211	21,371	54,543	124,156	261,586
WASD Revenue Bonds Sold	17,457	0	0	0	Ò	0	0	. 0	17,457
TOTAL REVENUES:	34,003	1,500	18,726	13,533	11,211	21,371	54,543	124,156	279,043
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	14,036	18,627	17,228	12,450	10,314	19,661	50,179	114,223	256,718
Planning and Design	1,220	1,620	1,498	1,083	897	1,710	4,364	9,933	22,325
TOTAL EXPENDITURES:	15,256	20,247	18,726	13,533	11,211	21,371	54,543	124,156	27,9,043
Estimated Annual Operating I	mpact will begin	lņ FY 2018-1	9 In the amour	nt of \$20,000,	000				

WASTEWATER GENERAL MAINTE					and the	PROJE		53 <b>201</b> ·	
DESCRIPTION: Construct and/or LOCATION: Systemwide Various Sites	renovale region	al general ma	Distri	iters, office fac ct Located: ct(s) Served:	allilles, and sto	orage warenou Systemwld Systemwld	le .		
·									
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds WASD Future Funding	139 0	2,927 0	7,451 0	12,265 0	13,208 0	12,654 . 0	8,184 0	31,000 72,031.	87,828 72,031
WASD revenue Bonds Sold	1,320	٥	0.	0	0	. 0	Ö	0	1,320
TOTAL REVENUES:	1,459	2,927	7,451	12,265	13,208	12,654	8,184	103,031	161,179
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,328	2,663	6,780	11,161	12,019	11,515	7,448	93,758	146,672
Land Acquisition/Improvements	. 44	88	224	368	396	380	245	3,091	4,836
Planning and Design	87	176	447	736	793	759	491	6,182	9,671
TOTAL EXPENDITURES:	1,459	2,927	7,451	12,265	13,208	12,654	B,184	103,031	161,179
WASTEWATER TREATMENT PLAN DESCRIPTION: Renovate and re LOCATION: Systemwide Various Sites			ant facillities a Distri		within plant si	PROJE tes Systemwic Systemwic	le e	53261	· · · · · · · · · · · · · · · · · · · ·
		*				ı.			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds .	808	608	608 . 0	3,526 0	. 0	0 <i>r</i>	0 0	0 51,650	5,350 51,650
WASD Future Funding WASD Revenue Bonds Sold	. 0 774	0	. u	0	0	0	0	01,000	774
Wastewater Renewal Fund	37,985	11,704	7,000	7,000	7,000	7,000	7,000	7,000	91,689
TOTAL REVENUES:	39,367	12,312	7,608	10,526	7,000	7,000	7,000	58,650	149,463
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE .	TOTAL
Construction	36,191	12,904	7,228	10,000	6,650	6,650	6,650	55,718	441,991
Planning and Design	1,905	679	380	. 526	350	350	350	2,932	7,472
TOTAL EXPENDITURES:	38,096	13,5B3	7,608	10,526	7,000	7,000	7,000	, 58,650	149,463
				•					'
•									
SANITARY SEWER SYSTEM EXTEN						PROJE	CT#: 96	53281	
DESCRIPTION: Extend sewer sy	stem Ilnes to Inc	lude the existi			sessment				
LOCATION: Systemwide				lct Located: lct(s) Served:		Systemwid Systemwid			
Various Sites			Distri	cu(s) serveu.	`	Systembol	10		
		•	•						
	BBIGB	nnan 29	- 1013 T 10	0040 10	9040.00	2020-21	anak oo	Himme	TOTAL
REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 2,113	2016-17 2,660	2017-18 2,113	2018-19 4,113	2019-20 3,038	2020-27	2021-22 0	FUTURE 0	14,037
WASD Future Funding	کی ۱ ران 0	2,000	. 2,110	0	. 0,000	o o	o	190,133	190,133
WASD Revenue Bonds Sold	11,991	0	0	Ō	0	0	0	0	11,991
Westewater Renewal Fund	. 10,735	7,704	1,500	1,500	1,500	: 1,500	1,500_	1,500	27,439
TOTAL REVENUES:	24,839	10,364	3,613	5,613	4,538	1,500	1,500	191,633	243,600
EXPENDITURE SCHEDULE:	Prior .	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	23,899	10,248	3,505	5,445	4,402	1,455	1,455	185,884	236,293
Planning and Design	739	317	108	168	- 136	45	45	5,749	7,307
TOTAL EXPENDITURES:	24,638	10,565	3,613	5,613	4,538	1,500	1,500	191,633	243,600

WATER DISTRIBUTION SYSTEM E						PROJE	CT#: 96	53311	
DESCRIPTION: Install various wa LOCATION: Systemwide Various Sites	ater mains uroug	inout the also	Distri	ct Localed: ct(s) Served:		Systemwid Systemwid		,	
REVENUE SCHEDULE;	PRIOR	2016-17	2017-18	,2018-19	2019-20	2020-21	2021-22	Future	TOTAL
Future WASD Revenue Bonds	16,943	11,830	57,909	22,867	9,466	10,000	12,500	32,080	173,595
WASD Revenue Bonds Sold	25,094	0	0	0	0	0	0	0	25,094
Water Connection Charges	22,606	5,521	3,590	0	0	0	0	0	31,717
Water Renewal and Replacement Fund	32,566	0	3,500	3,500	3,500	3,500	3,500	3,500	53,566
TOTAL REVENUES:	97,209	17,351	64,999	26,367	12,966	13,500	16,000	35,580	283,972
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	. FUTURE	TOTAL
Construction `	58,120	45,554	66,909	25,048	12,318	12,825	15,200	33,801	269,775
Planning and Design	3,059	2,397	3,521	1,318	648	675	800	1,779	14,197
TOTAL EXPENDITURES:	61,179	47,951	70,430	26,366	12,966	13,500	16,000	35,580	283,972
	ITIEO					PROJE	orte oc	53371	<u> </u>
PEAK FLOW MANAGEMENT FACIL DESCRIPTION: Evaluate and co.	.}∏⊏O materat elformollo	ree for pools fle	nul mahadahi	ont facilities an	d areonistad		.CI #. 30	2031 (	•
DESCRIPTION: Evaluate and con LOCATION: Systemwide Various Sites	,	es tor peak to	Distr	ict Located: ict(s) Served:	in associated	Systemwic Systemwic			•
,				.,		•	•		,
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds Wastewater Connection Charges	24,805 37,542	18,537 0	14,104 0	9,208	29,274	16,014 0	10,220 0	432,468 0	554,630 37,542
TOTAL REVENUES:	62,347	18,537	14,104	9,208	29,274	16,014	10,220	432,468	592,172
EXPENDITURE SCHEDULE: -	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	53,986	18,001	12,552	8,195	26,054	14,252	9,095	384,897	527,032
Planning and Design	6,672	2,225	1,552	1,013	3,220	1,762	1,125	47,571	65,140
TOTAL EXPENDITURES:	60,658	20,228	14,104	9,208	29,274	16,014	10,220	432,468	592,172
CORROSION CONTROL FACILITIE	S IMPROVEM	ENTS				PROJE	ECT#: 96	353381	
DESCRIPTION: Construct corre	sion control facili store sewer mait	itles and force	mains; renov	ate structures	at wastewate	r trealment pla	ints and pum	P	
LOCATION: Systemwide Varlous Sites		•		rict Located; rict(s) Served;	1	Systemwi Systemwi			
REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE'	TOTAL
Future WASD Revenue Bonds	0	100	90	865	352	4,882	116	0	6,405
WASD Revenue Bonds Sold	1,083	0	0	0	0	0	0	00	1,083
TOTAL REVENUES:	1,083	100	90	865	352	4,882	116	0	7,488
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	921	85	76	735	299	4,150	99	0	6,365
Planning and Design	162	15	14	130	53	732	17	0	1,123
TOTAL EXPENDITURES:	1,083	100	90	865	352	4,882	. 116	0	7,488

SOUTH DISTRICT U DESCRIPTION:	Construct plant p acquiring a land	rocess improven buffer, constructi	nents includin	d Injection and	d monitoring w Installation of	elis, installatio co-gen units,	PROJE on of emergen and construct	cy generator	53401 <sup>3</sup> ,	•
LOCATION:	handling facilities 8950 SW 232 St Unincorporated f		nty		ct Located; ct(s) Served;		8 Systemwid	le		
					1			, '		
REVENUE SCHEDULE		PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenu		5,000 0	0 0	2,000 0	4,000 0	3,000 0	1,000 0	0	0 182,500	15,000 182,500
WASD Future Funding WASD Revenue Bond	-	28,000	0	0	0.	0	0	0	0	28,000
TOTAL REVENUES:	a colu	33,000	0	2,000	4,000	3,000	1,000	0	182,500	225,500
EXPENDITURE SCHE	nu c	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	DOLL.	32,000	1,000	2,000	4,000	3,000	1,000	0	182,500	225,500
TOTAL EXPENDITURI	ES:	32,000	1,000	2,000	4,000	3,000	1,000	0	182,500	225,500
NORTH DISTRICT U DESCRIPTION:	Construct a chlo	rine improvemen	it process, rep	alace sluice ga	ates in the pre-	-treatment bar	PROJE screen room,		53411 for	
	various upgrade		on of the plan		, !-!!!		4			•
LOCATION:	2575 NE 151 St				ict Located: lct(s) Served;	)	4 Systemwl	de	·	
•	North Miami			Digit	icifa) cici seri		Oyolomi		•	
www.co.co.co.co.co.co.co.co.co.co.co.co.co.	_	phian	0046.47	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
REVENUE SCHEDULE Fulure WASD Revenu		PRIOR 1,262	2016-17 3,465	8,868	6,053	4,200	4,078	3,180	32,820	63,926
WASD Future Funding		0	0	0	0	ģ	. 0	. 0	100,225	100,225
WASD Revenue Bond	_	338	0	. 0	0	0	0	0	0	338
TOTAL REVENUES:		1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489
EXPENDITURE SCHE	DULE:	PRIOR	2016-17	2017 <i>-</i> 18	2018-19	2019-20,	2020-21	2021-22	. FUTURE	TOTAL
Construction		. 1,424		7,892	5,387	3,738	3,630	2,830	118,410	146,395
Planning and Design		176	. 381	976	666	462	448	350	14,635	18,094
TOTAL EXPENDITUR	ES:	1,600	3,465	8,868	6,053	4,200	4,078	3,180	133,045	164,489
OFFICE VIOLETING	T LIBODADER'.	\\;\	O TOEATM	ENT DI ANT	•		PROJE	FCT#: 96	553421	6
CENTRAL DISTRIC' DESCRIPTION:		ter Improvement				neous electric			700 IR I	•
DEGO(VII: NOK	rehabilitation, a	new gas pipeline plant including p	, a new fiushl	ng water Ilne,	and a sludge	handling facili	ity; various up	grades and		
LOCATION:	Virginia Key	,		Distr	rict Located:		7			
	City of Mlaml		٠.	Dlstr	rict(s) Served:		Systemwl	de	t .	
REVENUE SCHEDULI	<b>:</b> •	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revent		2,093	5,347	8 <sub>1</sub> 522	5,713	3,617	1,900	108	0	27,300
WASD Future Funding		0	0	0	0	0	. 0	0	8,500	8,500
WASD Revenue Bond	-	2,533	. 0	0	0	, 0	0	0	0	2,533
TOTAL REVENUES:		4,626	5,347	8,522	5,713	3,617	1,900	108	8,500	3B,333
EXPENDITURE SCHE	DÚLE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	-	4,348	5,026	8,011	5,370	3,400	1,786	102 8	.7,990 	36,033 2,300
Planning and Design		278	321	511	343	217	114	<u> </u>	510	2 <sub>1</sub> 300

108

8,500

38,333

1,900

5,713

3,617

8,522

5,347

4,626

TOTAL EXPENDITURES:

SAFE DRINKING WATER ACT MODIFICATIONS-SWT RULE AND D-DBP

PROJECT#: 9654061

Modify water treatment to comply with Surface Water Treatment (SWT) and Disinfection By Product (D-DBP) DESCRIPTION:

Regulations

LOCATION:

Systemwide Various Sites District Located:

Systemwide

District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Future WASD Revenue Bonds	0	610	2,692	17,364	33,066	76,454	61,271	303,018	494,475
Rock Mining Miligation Fees	20,979	0	0	0	0	. 0	0	. 0	20,979
Water Renewal and Replacement Fund	1,076	0	0	0	0	0	0	0	1,076
TOTAL REVENUES:	22,055	610	2,692	17,364	33,066	76,454	61,271	303,018	516,530
EXPENDITURE SCHEDULE;	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	12,279	2,709	6,820	14,933	28,437	65,750	52,693	260,595	444,216
Planning and Design	1,999	440	1,110	2,431	4,629	10,704	8,578	42,423	72,314
TOTAL EXPENDITURES:	14,278	3,149	7,930	17,364	33,066	76,454	61,271	303,018	516,530

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$10,000,000

SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III

PROJECT #:

DESCRIPTION: Expand the South District Wastewater Plant and Injection wells and Install emergency generators

LOCATION:

8950 SW 232 St

District Located:

Unincorporated Miami-Dade County

District(s) Served:

Systemwide

REVENUE SCHEDULE: Future WASD Revenue Bonds	PRIOR 1,745	2016-17 7,053	2017 <b>-</b> 18 7,724	2018-19 15,623	2019-20 15,167	2020-21 11,393	2021-22 11,500	FUTURE 73,000	TOTAL 143,205
TOTAL REVENUES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	1,448	5,854	6,411	12,967	12,589	9,456	9,545	60,590	118,860
Planning and Design	297	1,199	1,313	2,656	2,578	1,937	1,955	12,410	24,345
TOTAL EXPENDITURES:	1,745	7,053	7,724	15,623	15,167	11,393	11,500	73,000	143,205

WATER TELEMETERING SYSTEM ENHANCEMENTS

PROJECT #: 9656780

DESCRIPTION: Acquire and install a centralized computer system at water treatment plants and wellfields LOCATION:

Systemwide

District Located:

Systemwide

Various Sites

District(s) Served:

Systemwide

REVENUE SCHEDULE; Water Renewal and Replacement Fund	PRIOR 1,424	2016-17 0	2017-18 300	2018-19 300	2019-20 300	2020-21 300	2021-22 300	FUTURE 300	TOTAL 3,224
TOTAL REVENUES:	1,424	0	300	300	300	300	300	300	3,224
EXPENDITURE SCHEDULE:	PRIOR	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	FUTURE	TOTAL
Construction	342	313	138	138	138	- 138	138	138	1,483
Major Machinery and Equipment	401	·368	162	162	162	162	162	162	1,741
TOTAL EXPENDITURES:	743	681	300	300	300	- 300	300	300	3,224



#### EXHIBIT D

Memorandum

Date:

November 30, 2015

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief '

Intergovernmental Affairs 2

Miami-Dade Water and Sewer Department

Subject:

Revision No. 1 to Seven (7) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water

and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System - Project No. E15-WASD-01

This revision to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department (WASD) and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. WASD is requesting the following modifications to the RTA listed below:

The following information was revised on pages 1, 2 and 3 on the RTA:

PROJECT NAME:

Three (3) Non-Exclusive Professional Services Agreements (PSA) for Engineering Design and related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$33,000,000

BASE CONTRACT AMOUNT:

\$30,000,000

Three (3) separate PSA at

\$10,000,000 each.

CONTINGENCY ALLOWANCE:

3,000,000

Contingency Allowance in

accordance with Ordinance 00-65

is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$33,000,000

As always, we thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachment

#### FXHIBIT E

Memorandum

MIAMI DAD

Date:

February 12, 2016

To:

Christopher Agrippa, Director

Clerk of the Board

From:

Patty Palomo, Chief

Intergovernmental Affairs

Miami-Dade Water and Sewer Department

Subject:

Request to Advertise Revision No. 2 - Project No. E15-WASD-01

Revision No. 2 to the Request to Advertise (RTA) for engineering design services has been prepared by the Water and Sewer Department and is respectfully submitted for your records.

On September 2, 2015, the attached RTA was approved and filed with the Clerk of the Board. On November 30, 2015, Revision No. 1 was also filed with the Clerk of the Board, see attached. WASD is requesting additional modifications to the original RTA listed below:

The following Information was revised from the original RTA on pages 1, 2 3 and 4.

#### PROJECT NAME:

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System.

#### PROJECT DESCRIPTION:

Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from six (6) qualified consultants for engineering design and related services for the design of **Group A** (Ocean Outfall Legislation Projects) large diameter wastewater pipelines as well as sanitary sewer force mains and sanitary sewer gravity interceptors; and two (2) qualified consultants to provide engineering design and related services for the design of **Group B** (Non-Ocean Outfall Legislation Projects) large diameter water pipelines for water transmission and distribution system, related to WASD's capital improvement needs identified in the Multi-Year Capital improvement Plan.

Proposers are advised that the selected Prime Consultant and Sub-consultants for ISD Project No. E13-WASD-11 titled Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Mlami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (6 agreements) of the Internal Services Department's (ISD) Project No. E15-WASD-01 (Ocean Outfall Legislation Project), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (2 agreements), other than those to be applied on a case by case

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 2 of 3.

basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E13-WASD-11 or any contract resulting from this solicitation.

Proposers are advised that the selected Prime Consultant or Sub-consultants that are awarded the contract for ISD Project No. E12-WASD-03 titled Program Management Consultant and Related Services to establish a "Comprehensive Infrastructure Assessment and Replacement Program" for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (2 agreements) of ISD Project No. E15-WASD-01 (Non-Ocean Outfall Legislation Projects), Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System. This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (6 agreements), other than those to be applied on a case by case basis in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03 or any contract resulting from this solicitation.

### CAPITAL BUDGET PROJECT # - DESCRIPTION

RTA ESTIMATE:

\$40,000,000

BASE CONTRACT AMOUNT:

\$ 5,000,000

Eight (8) separate PSA at

\$5,000,000 each.

CONTINGENCY ALLOWANCE:

\$ 4,000,000

Contingency Allowance in

accordance with Ordinance 00-65 is ten percent (10%) of the total cost.

TOTAL CONTRACT AMOUNT:

\$44,000,000

## MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- The Prime Consultant should demonstrate their successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride (PVC), high density polyethylene (HDPE), concrete pressure pipe, ductile iron, steel and fiberglass (FRP).
- 3. The Prime Consultant should also demonstrate their successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the Consultant team demonstrate their successful design experience with trenchless technologies including but not limited to Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating new or upgraded water transmission pipeline, and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include

Christopher Agrippa Revision No. 2 E15-WASD-01 Page 3 of 3

start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

5. The Subconsultants shall provide a description of at least one (1) project that is relevant to this Scope of Work specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

DEPARTME	NISELE		E RECOMMENDATION	PROFESSIONAL
COMMITTEE MEMBER AND	YEAR HIRED	GENDER /ETHNICITY	EDUCATION	LICENSES
TITLE Danlel Edwards, P.E. Section Manager, Planning (Member)	1997	Male/Caucaslan	Bachelor of Science Civil Engineering	Professional Engineer
Rolando Roque, Senior Professional Engineer (Technical Advisor)	2006	Male/Hispanic	Bachelor of Science Civil Engineering	Professional Engineer
Elvira Amenta, P.E. Senior Professional Engineer (Member)	2003	Female/Hispanic	Bachelor of Science Clvil Englneering	Professional Engineer
Isaac Smith, Senior Program Manager (Alternate)	1990	Male/Black	Bachelor of Science Mechanical Engineering	Engineer Intern

As always, thank you for your continuous support and assistance. Should you have any questions, please contact me at 786-552-8040.

Attachments



LIST OF RESPONDENTS

ISD Project Name: Engineering Design & Related Services for the Design of Large Diameter Water and Wastewater Pipelines

for the Water & Sewer Department's Wastewater & Water Collection, Transmission & Distribution System

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 1

Prime Name: KEITH AND SCHNARS, P.A.

Trade Name:

FEIN No.: 591406307

Subs Name a. CIVIL WORKS, INC.

b. C.H. PEREZ & ASSOCIATES CONSULTING

ENGINEERS, INC.

c. GIT CONSULTING LLC

Subs FEIN No. Trade Name

Prime Local Preference: Yes

650673629 550866252

651319891

Submittal No: 2

Prime Name: STANTEC CONSULTING SERVICES, INC.

a. ALUCES CORPORATION

Trade Name:

Prime Local Preference:

FEIN No.: 112167170

Subs FEIN No. Trade Name Subs Name

471310425 800203267 364551726

b. METCO SERVICES SOUTHEAST, LLC P (3) S M, LLC

c. LONGITUDE SURVEYORS, LLC

a. BROWN AND CALDWELL (CORPORATION)

f. D&B ENGINEERS AND ARCHITECTS PC

Prime Local Preference:

FEIN No.: 650792884

Prime Name: CES CONSULTANTS, INC.

d. NV5, INC. DBA KACO

e. HADONNE CORP.

Subs Name

Trade Name:

Submittal No: 3

Subs FEIN No. Trade Name

> 941446346 590918189

b. CH2M HILL, INC. CHEN AND ASSOCIATES C. CHEN MOORE AND ASSOCIATES, INC.

CONSULTING ENGINEERS,

VERTICAL V-SOUTHEAST,

271979486

INC. DBA KACO

651089850

592739866

112393559

Page 1 of 8



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 4

Prime Name: BLACK & VEATCH CORPORATION

Trade Name:

Subs FEIN No. Trade Name Subs Name

a. E SCIENCES, INCORPORATED b. F.R. ALEMAN AND ASSOCIATES, INC.

c. NUTTING ENGINEERS OF FLORIDA INC

d. BND ENGINEERS, INC.

e. CHEN MOORE AND ASSOCIATES, INC.

650421519 592739866 CHEN AND ASSOCIATES CONSULTING ENGINEERS,

Prime Local Preference:

FEIN No.: 431833073

Yes

593667002

592751524

591159182

650679927

650133546

INC

f. MAGBE CONSULTING SERVICES, INC.

Submittal No: 5

Trade Name:

FEIN No.: 591947578 Prime Name: CAS ENGINEERING, INC.

Prime Local Preference:

Subs FEIN No. Trade Name Subs Name 592485807 a. BALJET ENVIRONMENTAL, INC.

b. J BONFILL AND ASSOCIATES INC.

Prime Local Preference: Submittal No: 6

Prime Name: A & P CONSULTING TRANSPORTATION ENGINEERS FEIN No.: 650770583

CORP.

Trade Name:

Subs FEIN No. Trade Name Subs Name 562612529 RAFAEL J. BALLESTEROS, a. 300 ENGINEERING GROUP, P.A.

P.E., P.A. - OLD NAME

941371792 b. JACOBS ASSOCIATES CORP. 592119073 c. ROBAYNA AND ASSOCIATES, INC.



Company of the Compan

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 7

Prime Name: WADE TRIM, INC.

Trade Name:

FEIN No.: 592417170

Prime Local Preference:

Yes

Yes

Subs Name	Trade Name	Subs Felly Ivo.
<del> </del>		941371792
a, JACOBS ASSOCIATES CORP.		• • • • • • • • • • • • • • • • • • • •
b, GRESHAM, SMITH AND PARTNERS		620794126
		650806421
c. KEITH AND ASSOCIATES, INC.		000000421
		260571068
d. PREMIERE DESIGN SOLUTIONS, INC.		2300(

Submittal No: 8

Prime Name: GANNETT FLEMING, INC.

e. THE VAILON GROUP, INC. 1

Trade Name:

Subs Name	Trade Name	Subs FEIN No.
a. SRS ENGINEERING, INC.		650607552
b. HBC ENGINEERING COMPANY		223936061
c. K.M. ENGINEERING CONSULTANTS, INC.	KMEC	260125061
	141123	651089850
d. HADONNE CORP.		261204483 <sup>-</sup>
THE VALON COOLD INC		とい しというせいい

Prime Local Preference:

FEIN No.: 251613591

Submittal No: 9

Prime Name: BCC ENGINEERING, INC.

Trade Name:

Yes Prime Local Preference: FEIN No.: 650540100

Subs Name

INC.

a. CIVIL WORKS, INC.

b. MANUEL G. VERA & ASSOCIATES, INC.

f. RUSSELL CORROSION CONSULTANTS,

c. GOAL ASSOCIATES, INC.

d. MEDIA RELATIONS GROUP, LLC

Trade Name

Subs FEIN No. 650673629

521829252

591741639 464649215



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 10

Prime Name: PARSONS WATER & INFRASTRUCTURE INC.

Trade Name:

Subs Name

a. BND ENGINEERS, INC.

b. LONGITUDE SURVEYORS, LLC

c. GEOSOL, INC.

d. EV SERVICES, INC.

Submittal No: 11

Prime Name: WOOLPERT, INC.

Trade Name:

Subs Name

a. CDM SMITH, INC.

b. THE CORRADINO GROUP, INC.

c, BND ENGINEERS, INC.

Submittal No: 12

Prime Name: A.D.A. ENGINEERING, INC.

Trade Name:

Subs Name

a. THE CORRADINO GROUP, INC.

b. ARUP USA, INC.

c. HADONNE CORP.

FEIN No.: 710920322

Prime Local Preference: Yes

Trade Name

Subs FEIN No.

650421519

P (3) S M, LLC

364551726 650997886

205779421

Prime Local Preference:

FEIN No.: 201391406

Trade Name

Subs FEIN No.

CAMP DRESSER & MCKEE 042473650

610713040

650421519

Prime Local Preference:

FEIN No.: 592064498

Trade Name

Subs FEIN No.

610713040 061539147



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 13

Prime Name: .CSA CENTRAL, INC.

Trade Name:

Prime Local Preference:

Yes

FEIN No.: 311446286

Subs Name a. RADISE INTERNATIONAL, L.C. b. D&B ENGINEERS AND ARCHITECTS I c. SMART-SCIENCES, INC. d. NEW MILLENNIUM ENGINEERING, INC.	Subs FEIN No. 650785837 112393559 462397336 204809301
e. INFINITE SOURCE COMMUNICATIONS	270403430 472105114

f. ENTECH DESIGN AND PROJECT

MANAGEMENT LLC

Submittal No: 14

Prime Name: T.Y. LIN INTERNATIONAL

Trade Name:

Prime Local	Preference:	Yes

FEIN No.: 941598707

Subs Name	Trade Name	650604266
<ul> <li>a. NIFAH AND PARTNERS CONSULTING ENGINEERS, INC.</li> <li>b. F.R. ALEMAN AND ASSOCIATES, INC.</li> <li>c. EGSC ENGINEERING CONSULTANTS, INC.</li> <li>d. METCO SERVICES SOUTHEAST, LLC</li> <li>e. AVINO &amp; ASSOCIATES, INC.</li> <li>f. CPM NORTH AMERICA PLLC</li> </ul>		592751524 651043053 800203267 650053775 473185079
g. INFINITE SOURCE COMMUNICATIONS		270403430

GROUP, LLC h. LEGACY DEVELOPERS & ENGINEERS,



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No. 15

Prime Name: KING ENGINEERING ASSOCIATES, INC.

Trade Name:

Subs FEIN No. Trade Name Subs Name

Prime Local Preference:

Prime Local Preference:

FEIN No.: 954081636

FEIN No.: 591782900

Yes

650997886

200118620

Yes

Subs FEIN No.

650607552

592746730 a. LEITER, PEREZ & ASSOCIATES, INC. 460507796 b. STAHELI TRENCHLESS CONSULTANTS 611492162

c. EASTERN ENGINEERING GROUP COMPANY

d. GEOSOL, INC.

e. MEDIA RELATIONS GROUP, LLC

Submittal No: 16

Prime Name: JACOBS ENGINEERING GROUP, INC.

Trade Name: JEC ACQUISITION CO.

Trade Name Subs Name 562612529 RAFAEL J. BALLESTEROS, a. 300 ENGINEERING GROUP, P.A. P.E., P.A. - OLD NAME

b. SRS ENGINEERING, INC.

650673629 c. CIVIL WORKS, INC. 650956092

d. CARDOZO ENGINEERING, INC. 134219102 e, BELLO AND BELLO LAND SURVEYING

CORPORATION 650806421 f, KEITH AND ASSOCIATES, INC.

203225960 g. YOUSSEF HACHEM CONSULTING ENGINEERING, INC.

270403430 h. INFINITE SOURCE COMMUNICATIONS GROUP, LLC



LIST OF RESPONDENTS.

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 17

Prime Name: HAZEN AND SAWYER, P.C.

Trade Name:

Prime Local Preference:

FEIN No.: 132904652

Subs Name	Trade Name	Subs Fein No 952661922
a. AECOM TECHNICAL SERVICES, INC. F/K/A		952001924
EARTH TECH, INC.	•	471310425
b. ALUCES CORPORATION		650492113
c. EBS ENGINEERING, INC.	P (3) S M, LLC	364551726
d. LONGITUDE SURVEYORS, LLC		592119073
e. ROBAYNA AND ASSOCIATES, INC.		
t among INO		650997886

f. GEOSOL, INC.

Submittal No: 18 Prime Name: PARSONS BRINCKERHOFF, INC.

Trade Name: PB AMERICAS, INC.

Prime Local Preference: FEIN No.: 111531569

Subs Name

a, ALUCES CORPORATION

b. F.R. ALEMAN AND ASSOCIATES, INC.

c: NOVA CONSULTING, INC.

d. AMBRO, INC.

e. MAGBE CONSULTING SERVICES, INC.

Trade Name

Subs FEIN No.



LIST OF RESPONDENTS

ISD Project No.: E15-WASD-01

Measures: 20% SBE-Architectural/Engineering

Number of Agreements: 8

Contract Type: MULTIPLE PROJECT

Submittal Date: 03/11/2016

Submittal No: 19

Prime Name: EAC CONSULTING, INC.

Trade Name:

Prime Local Preference: FEIN No.: 650519739

Subs Name

a, SRS ENGINEERING, INC.

b. HBC ENGINEERING COMPANY

c. ROBAYNA AND ASSOCIATES, INC.

d. BELLO AND BELLO LAND SURVEYING

CORPORATION

e. EV SERVICES, INC.

f. ORACLE CONSULTING GROUP, LLC

Submittal No: 20

Prime Name: KIMLEY-HORN AND ASSOCIATES, INC.

Trade Name:

Subs Name

a. HDR ENGINEERING, INC.

b. AVINO & ASSOCIATES, INC.

c. CHEN MOORE AND ASSOCIATES, INC.

d. METCO SERVICES SOUTHEAST, LLC

e. HOLT COMMUNICATIONS, INC.

Submittal No: 21

Prime Name: TETRA TECH, INC

Trade Name:

Subs Name

a. 300 ENGINEERING GROUP, P.A.

b. HBC ENGINEERING COMPANY

c. MILLER, LEGG & ASSOCIATES, INC.

d. EV SERVICES, INC.

Subs FEIN No. Trade Name

650607552 223936061 592119073 134219102

205779421 800456242

Prime Local Preference:

FEIN No.: 560885615

Subs FEIN No. Trade Name

470680568

650053775 592739866

CHEN AND ASSOCIATES

CONSULTING ENGINEERS,

INC

800203267

161754464

Prime Local Preference:

FEIN No.: 954148514

Trade Name

RAFAEL J. BALLESTEROS, P.E., P.A. - OLD NAME

Subs FEIN No.

562612529

223936061 650563467 205779421

Page 8 of 8

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FIRST - TIER MEETING	8	MPETITIVE	SELECTIO	competitive selection committee	H .									
MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	агам (гаяа	агам ,нті	нроке, wasd	тгүйо, кек	W9Ta, SHEZ, DTPW	Ú JATOT-8Ľ	- Po StoVA	Wineqal(I)W	Ninegaloh)	ZEMITATETAÇOS	UZKASIAKINANJU Masadilasek	таономичесо) Миникамичесо)	HAL RANK	
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FIRST - TIER MEETING	JUNE 23, 2016  MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	7 WADE TRIM, INC. [LOCAL], [A&B]  1A - Qualification of firms including learn members associated to the project (Max. 50 points)  2A - Knawledge and Pack Experience of similar type projects (Max. 20 points)  3A - Pack Performance of the Firms (Max. 50 points)  4A - Amount of Work Awarded and Paid by the County (Max. 5 points)  5A - Ability of feam members to interface with the County (Max. 5 points)		The-Breaker (Total Drd. Scores-10sd Authores, when the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of the Sannier of San	Ordinal Scores  Dropped Ordinal Scores  Tre-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A, The-Breaker (Total Ord, Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A, The-Breaker (Total Ord, Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A

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FIRST - TIER MEETING	ENGINEERING DESIGN AND RELATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWAND WASTEWATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E16-WASD-01  ISD PROJECT NO. E16-WASD-01		Tie-Breaker (Total Ord, Score)-Total Aguisten Guda. Polinty, up 1978  14. Qualification of firms including team members associated to the project (Max. 50 points)  14. Qualification of firms including team members associated to the project (Max. 50 points)  14. Australiance of the Firms (Max. 20 points)  14. Amount of Work Awarded and Paid by the County (Max. 5 points)  15. Ability of team members to interface with the County (Max. 5 points)  16. Breaker (CSC Ords) Criterion 14.24.34.44.54, then Total Qual. Points for 14,24.34.44.54.  Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,24.34.44.54.	
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FIRST - TIER MEETING	JUNE 23, 2016  JUNE 23, 2016  ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	TABULATION SHEET ISD PROJECT NO. E15-WASD-01	CSA CENTRAL, INC. (LOCAL) (A&B) NON-COMPLIANT	1A. Qualitication of firms including learn members associated to the project (Max. 50 points)  A. Anowledge and Past Experience of similar type projects (Max. 20 points)  AA. Amount of Work Awarded and Paid by the County (Max. 5 points)  5A. Ability of fearn members to interface with the County (Max. 5 points)  Ordinal Scores  Dropped Ordinal Scores	4,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A. sted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5	T.Y. LIN INTERNATIONAL, ILCUARL, INCOME.)  1A - Qualification of firms including team members associated to the project (Max. 50 points)  2A - Knowledge and Past Experience of similar type projects (Max. 20 points)  3A - Past Performance of the Firms (Max. 20 points)  4A - Amount of Work Awarded and Paid by the County (Max. 5 points)  5A - Abilty of team members to interface with the County (Max. 5 points)	Ordinal Scores  Dropped Ordinal Scores  Te-Breaker (GSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A. Tie-Breaker (Total Ord. Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A.		

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FIRST - TIER MEETING	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WASTEWATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01  ISD PROJECT NO, E15-WASD-01	15. KING ENGINEERING ASSOCIATES, INC. (LOCAL) [A&B]  1A - qualification of firms including team members associated to the project [Max. 50 points]  2A - Knowfedge and Past Experience of similar type projects (Max. 20 points)  3A - Past Performance of the Firms (Max. 20 points)  4A - Amount of Work Awarded and Padd by the County (Max. 5 points)  5A - Abrilly of team members to interface with the County (Max. 5 points)  5A - Abrilly of team members to interface with the County (Max. 5 points)  Ordinal Scores  Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A.  Tie-Breaker(CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A.	Tie-Breaker (Total Ord, Score)- total Auguster, durant.  16 JACOBS ENGINEERING GROUP, INC. (LOCAL) [A&B]  14 - Qualification of firms including team members associated to the project (Max. 50 points)  24 - Knowledge and Past Experience of similar type projects (Max. 20 points)  34 - Past Performance of the Firms (Max. 20 points)  44 - Amount of Work Awarded and Paid by the County (Max. 6 points)  54 - Abilly of team members to inferface with the County (Max. 6 points)  55 - Abilly of team members to inferface with the County (Max. 6 points)  56 - Abilly of team members to inferface with the County (Max. 6 points)  Tie-Breaker (CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A  Tie-Breaker (Total Ord, Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A  Tie-Breaker (Total Ord, Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A	200



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FIRST - TIER MEETING	COMPET	COMPETITVE SELECTION COMMITTEE	TON COMMI										
JUNE 23, 2016  MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT ENGINEERING DESIGN AND RELATED SERVICES FOR THE DESIGN OF LARGE DIAMETER WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENT'S WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01	DSAW , SDRA	GSAW, AROUH	БЕК КЕК	CHEZ, DTPW	JATOT-8L	, abealy		Alita de la cint	ЭСЕЖИКЛИЧОО; УИЖИЧЯЭХЦАНИ	JAODS JANIORO V	Пилителино	TINAE FRANK	(
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FIRST - TIER MEETING	JUNE 23, 2016  JUNE 23, 2016  JUNE 23, 2016  ENGINEERING DESIGN OF LARGE DIAMETER AND SEWER DEPARTMENT WATER AND WASTEWATER PIPELINES FOR THE WATER AND SEWER DEPARTMENTS WASTEWATER AND WATER COLLECTION, TRANSMISSION AND DISTRIBUTION SYSTEM ISD PROJECT NO. E15-WASD-01  TABULATION SHEET  ISD PROJECT NO. E15-WASD-01	19 EAC CONSULTING, INC. (LOCAL) (A&B)  1A - Guaimcation of time including team members associated to the project (Max. 50 points)  2A - Amount of Work Awarded and Paid by the County (Max. 5 points)  AA - Amount of Work Awarded and Paid by the County (Max. 5 points)  6A - Ability of team members to interface with the County (Max. 5 points)  6A - Ability of Leam members to interface with the County (Max. 5 points)  6A - Ability of Leam members to interface with the County (Max. 5 points)  7 The Breaker (CSC Ords)-Criterion 1A,2A,3A,4A,5A, then Total Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Qual. Points for 1A,2A,3A,4A,5A.  7 Ine Breaker (Total Ord. Score)-Total Adjusted Scores for Amount of Work Awarded and Patal by the County (Max. 5 points)  7 A - Amount of Work Awarded and Patal by the County (Max. 5 points)  8 A - Ability of Leam members to interface with the County (Max. 5 points)  9 A - Amility of Leam members to interface with the County (Max. 5 points)  9 Dropped Qualification of County (Max. 5 points)  10 Dropped Qualificative Scores  11 Dropped Qualificative Scores  12 Dropped Qualificative Scores  13 Dropped Qualificative Scores  14 Dropped Qualificative Scores  15 Dropped Qualificative Scores  16 Dropped Qualificative Scores  17 Dropped Qualificative Scores  18 Dropped Qualificative Scores  18 Dropped Qualificative Scores  18 Dropped Qualificative Scores	Tre-Breaker(CSC Ords)-Criterion 14,ZA,3A,4A,5A, then Total Qual. Points for 14,ZA,3A,4A,5A Tre-Breaker (Total Ord. Score)-Total Adjusted Qual. Points, then Total Qual. Points for 14,ZA,3A,4A,5A

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# Memorandum MIAME



DATE:

July 6, 2016

TO:

Miriam Singer, Sr. Assistant Director

Internal Services Department

FROM:

Gary Hartfield, Division Director

Internal Services Department Small Business Development

SUBJECT:

Compliance Review

Project No. E15-WASD-01

Engineering Design & Related Services for The Design Of Large Diameter Water & Wastewater Pipelines for The Water & Sewer Department's Wastewater & Water Collection, Transmission &

Distribution System

Small Business Development (SBD), a Division of the Internal Services Department, has completed its review of the subject project for compliance with the Small Business Enterprise (SBE/AE) Program for Architectural and Engineering Services program. The contract measures established for this project is a 20% SBE/AE Subconsultant Goal.

The Professional Services Division of the Internal Services Department has submitted proposals from Keith and Schnars, P.A. #1, Stantec Consulting Services, Inc. #2, CES Consultants, Inc. #3, Black & Veatch Corporation #4, CAS Engineering, Inc. #5, A & P Consulting Transportation Engineers, Corp. #6, Wade Trim, Inc. #7, Gannett Fleming, Inc. #8, BCC Engineering, Inc. #9, Parsons Water & Infrastructure Inc., #10, Woolpert, Inc. #11, A.D.A. Engineering, Inc. #12, CSA Central, Inc. #13, T.Y. Lin International, #14, King Engineering Associates, Inc. #15, Jacobs Engineering Group, Inc. #16, Hazen And Sawyer, P.C. #17, Parsons Brinckerhoff, Inc. #18, EAC Consulting, Inc. #19, Kimley-Horn And Associates, Inc. #20, and Tetra Tech, Inc. #21 for compliance review. Following is the pre-award compliance status and summary.

#### STATUS:

4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	Keith and Schnars, P.A. Stantec Consulting Services, Inc. CES Consultants, Inc. Black & Veatch Corporation CAS Engineering, Inc. A & P Consulting Transportation Engineers, Corp. Wade Trim, Inc. Gannett Fleming, Inc. BCC Engineering, Inc. Parsons Water & Infrastructure Inc. Woolpert, Inc. A.D.A. Engineering, Inc. CSA Central, Inc. T.Y. Lin International King Engineering Associates, Inc. Jacobs Engineering Group, Inc. Hazen and Sawyer, P.C. Parsons Brinckerhoff, Inc. EAC Consulting, Inc. Kimley-Horn and Associates, Inc.	Compliant Compliant
	Kimley-Horn and Associates, Inc. Tetra Tech, Inc.	Compliant Complaint

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#### <u>SUMMARY:</u>

Keith and Schnars, P.A. #1, submitted the required Letters of Agreement (LOAs) committing to utilize the following certified SBE/AE firms: C.H. Perez & Associates Consulting Engineers, Inc. to provide (FC) categories 15.01 (Surveying & Mapping-Land Surveying) at 4%, 16.00 (General Civil Engineering) at 2% and 17.00 (Engineering Construction Management) at 4%, Civil Works, Inc. to provide 6.01 (Water & Sanitary Sewage Collection & Transmission Systems) at 10%, and GIT Consulting LLC, to provide 6.01 (Water & Sanitary Sewage Collection & Transmission & Sanitary Sewage Collection & Transmission Systems) at 5% for a total of 25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Keith and Schnars, P.A. has satisfied the contract's 20% SBE/AE sub-consultant goal, and is in compliance with the Small Business measures established for this contract.

Stantec Consulting Services, Inc. #2, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Meteo Services Southeast, LLC, to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 15%, and Longitude Surveyors, LLC. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Stantec Consulting Services, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CES Consultants, Inc. #3, a certified SBE/AE firm, submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CES Consultants, Inc. has satisfied the contracts 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Black & Veatch Corporation #4, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17,00 (Engineering Construction Management ) at 7%, F.R. Aleman And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 3%, and BND Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 14% for a total of 24% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Black & Veatch Corporation has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CAS Engineering, Inc. #5, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Baljet Environmental, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, and I. Bonfill and Associates Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 10% for a total of 20% in satisfaction

Miriam Singer E15-WASD-01 Page 3 July 6, 2016

of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

CAS Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A & P Consulting Transportation Engineers, Corp. #6, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying), and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, for a total of 30% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A & P Consulting Transportation Engineers, Corp. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Wade Trim, Inc. #7, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Keith and Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 11%, Premiere Design Solutions, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 17.00 (Engineering Construction Management) at 9%, for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Wade Trim, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Gannett Fleming, Inc. #8, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Hadonne Corp. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 15.03 (Surveying & Mapping – Underground Utility Location) at 5%, K.M. Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 17%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10% for a total of 35% in satisfaction of the 20% SBE/AE subconsultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Gannett Fleming, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

BCC Engineering, Inc. #9, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Manuel G. Vera & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 10%, and Civil Works, Inc. to provide 16.00 (General Civil Engineering) at 10% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

BCC Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

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Parsons Water & Infrastructure Inc. #10, submitted the required LOAs committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 18.5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 3% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 3% for a total of 24.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Water & Infrastructure Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Woolpert, Inc. #11, submitted the required LOA committing to utilize the following certified SBE/AE firms: BND Engineers, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems -- Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Woolpert, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

A.D.A. Engineering, Inc. #12, a certified SBE/AE firm submitted the required LOA committing to perform TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 17.00 (Engineering Construction Management), and 16.00 (General Civil Engineering) at 20% in satisfaction of the 20% SBE/AE sub-consultant goal. The LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

A.D.A. Engineering, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

CSA Central, Inc. #13, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Radise International, L.C. to provide TC's 9.02 (Geotechnical & Materials Engineering Services) at 8%, and Smart-Sciences, Inc. to provide 10.00 (Environmental Engineering) at 5% for a total of 13%. CSA Central, Inc. also submitted an LOA committing to utilize Infinite Source Communications Group, LLC to provide public involvement services at 7%. Infinite Source Communications Group, LLC is not a certified SBE/AE firm and cannot be utilized to meet any portion of the 20% SBE/AE goal. Pursuant to Implementing Order 3-32 "The utilization of a non-certified SBE-A/E and proposals that do not meet the specified goal" constitute non-compliance with the Implementing Order. CSA Central, Inc. is non-compliant to the Small Business measures established for this contract.

T.Y. Lin International #14, submitted the required LOAs committing to utilize the following certified SBE/AB firms: Avino & Associates, Inc. to provide TC's 15.01 (Surveying & Mapping-Land Surveying) and 16.00 (General Civil Engineering) at 5%, EGSC Engineering Consultants, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, F.R. Aleman and Associates, Inc. to provide 16.00 (General Civil Engineering) at 5%, Legacy Developers & Engineers Corp. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 3%, Metco Services South East, LLC to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Civil Engineering) at 5%, and Nifah and Partners Consulting Engineers, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems) and 16.00 (General Miriam Singer

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Civil Engineering) at 5% for a total of 28% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

T.Y. Lin International has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

King Engineering Associates, Inc. #15, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Leiter Perez & Associates, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 15.01 (Surveying & Mapping-Land Surveying), 15.03 (Surveying & Mapping – Underground Utility Location), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 19%, Eastern Engineering Group Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 11.00 (General Structural Engineering), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 1% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services), 9.02 (Geotechnical & Materials Engineering Services) and 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) at 1% for a total of 21% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

King Engineering Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Jacobs Engineering Group, Inc. #16, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Youssef Hachem Consulting Engineering, Inc. to provide TC's 16.00 (General Civil Engineering) at 1%, Keith And Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 1%, Bello & Bello Land Surveying Corporation to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, Civil Works, Inc. to provide 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 3%, SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 12.5% and 300 Engineering Group P.A. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 20% for a total of 41.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Jacobs Engineering Group, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Hazen And Sawyer, P.C. #17, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Aluces Corporation to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, EBS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, Longitude Surveyors, LLC to provide 15.01 (Surveying & Mapping-Land Surveying) at 2.25%, Robayna and Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 10.05 (Environmental Engineering – Contamination Assessment & Monitoring) and 16.00 (General Civil Engineering) at 2.25% and Geosol, Inc. to provide 9.01 (Soils, Foundations & Materials Testing – Drilling, Subsurface Investigations & Seismographic Services) and 9.02 (Geotechnical & Materials Engineering Services) at 0.5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

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Hazen And Sawyer, P.C. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Parsons Brinckerhoff, Inc., #18, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Nova Consulting, Inc. to provide TC's 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 15%, Aluces Corporation to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 10%, F.R. Aleman and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% and Ambro, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5% for a total of 35% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Parsons Brinckerhoff, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

EAC Consulting, Inc. #19, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Bello and Bello Land Surveying Corporation to provide TC's 15.01 (Surveying & Mapping-Land Surveying) at 1.25%, Robayna and Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 7% and SRS Engineering, Inc. to provide 6.01 (Water & Sanitary Sewer Systems – Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 15% for a total of 27.25% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

EAC Consulting, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Kimley-Horn And Associates, Inc. #20, submitted the required LOAs committing to utilize the following certified SBE/AE firms: Chen Moore and Associates, Inc. to provide TC's 16.00 (General Civil Engineering) at 10%, Metco Services Southeast, LLC to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), and 17.00 (Engineering Construction Management) at 5%, and Avino & Associates, Inc. to provide 15.01 (Surveying & Mapping-Land Surveying) at 5% for a total of 20% in satisfaction of the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed

Kimley-Horn And Associates, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

Tetra Tech, Inc. #21, submitted the required LOAs committing to utilize the following certified SBE/AE firms: 300 Engineering Group, P.A. to provide TC's 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering) and 17.00 (Engineering Construction Management) at 22.5%, Miller, Legg & Associates, Inc. to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Engineering), 17.00 (Engineering Construction Management) and 15.01 (Surveying & Mapping-Land Surveying) at 4%, HBC Engineering Company to provide 6.01 (Water & Sanitary Sewer Systems — Water Distribution & Sanitary Sewage Collection & Transmission Systems), 16.00 (General Civil Miriam Singer

E15-WASD-01 Page 7 July 6, 2016

Engineering) and 17.00 (Engineering Construction Management) at 6% for a total of 32.5% in satisfaction of the 20% SBE/AE sub-consultant goal. Although Tetra Tech, Inc. also committed to utilize EV Services, Inc. to provide public involvement services at 1%, EV Services, Inc. is not certified as an SBE/AE firm and cannot be utilized to meet the 20% SBE/AE sub-consultant goal. Each LOA was signed and dated by the proposer, lead A/E firm and sub-consultant in agreement with the information listed.

Tetra Tech, Inc. has satisfied the contract's 20% SBE/AE sub-consultant goal and is in compliance with the overall Small Business measures established for this contract.

SBD has verified that none of the aforementioned firms are listed on the Goal Deficit Make-Up Report as of July 1, 2016. Also, a review of the History of Violations Report as of July 1, 2016 indicates that none of the aforementioned firms have an open violation.

Please note that SBD staff reviewed and addressed compliance with the SBE/AB program. The Professional Services Division of the Internal Services Department is responsible for any other issues that may exist. Should you have any questions or need any additional information, please do not hesitate to call Caesar Suarez at (305) 375-3141.

c: Curt Williams, ISD
Julie Whiteside, ISD
File

#### **EXHIBIT**

# Memorandum



Date:

July 19, 2016

To:

Lester Sola, Director

Miami-Dade Water and Sewer Department

Through:

Miriam Singer, CPPO, Sr. Assistant/Director

Internal Services Department

From:

Julie Whiteside, A&E Consultant Selection Coordinator

Chairperson, Competitive Selection Committee

Subject:

NEGOTIATION AUTHORIZATION

Miaml-Dade Water and Sewer Department

Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Dlameter Wastewater Pipelines and Group

B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and

Distribution System

ISD Project No. E15-WASD-01

In accordance with the guidelines published in the Notice to Professional Consultants, the Competitive Selection Committee has completed the evaluation of the proposals submitted in response to the above-referenced internal Services Department solicitation.

ISD Project No.: E15-WASD-01

Project Title: Group A (Ocean Outfall Legislation Projects) Six (6) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Wastewater Pipelines and Group B (Non-Ocean Outfall Legislation Projects) Two (2) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for the Design of Large Diameter Water Pipelines for the Water and Sewer Department's Wastewater and Water Collection, Transmission and Distribution System

Scope of Services Summary: This project consists of utility design, including planning, and permitting assistance during construction for system upgrades to large water and sewer pipelines. The projects could be for the rehabilitation or replacement, or for new large diameter pipeline facilities.

Participation Restrictions: The Prime Consultant and Sub-consultants that were awarded the contract for ISD Project No. E13-WASD-11: Owner's Representative for Professional Engineering Services Relating to the State of Florida's Ocean Outfall Legislation and Miami-Dade County's Wastewater System, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group A (Ocean Outfall Legislation Projects). This restriction applies only to Group A. Please note there are no advance restrictions for the awarded firms that are part of the team for ISD Project No. E13-WASD-11 from participation in Group B (Non-Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis in

Negotiation Authorization Miami-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 2

accordance with the organizational conflict of Interest provisions of the contract for ISD Project No. E13-WASD-11, or any contract resulting from this solicitation.

The Prime Consultant or Sub-consultants that were awarded the contract for ISD Project No. E12-WASD-03: Program Management Consultant and Related Services to establish a Comprehensive Infrastructure Assessment and Replacement Program for Water Transmission and Distribution Mains including Preparation of Condition Evaluations, Forensic Analysis, Risk Assessments and Renewal Option Protocols, are precluded from participating as a Prime Consultant or Sub-consultant in any tier for Group B (Non-Ocean Outfall Legislation Projects). This restriction applies only to Group B. Please note there are no advance restrictions for the firms that are a part of the team for ISD Project No. E12-WASD-03 from participation in Group A (Ocean Outfall Legislation Projects), other than those to be applied on a case by case basis, in accordance with the organizational conflict of interest provisions of the contract for ISD Project No. E12-WASD-03, or any contract resulting from this solicitation.

See the attached list of precluded firms for Group A and Group B.

#### Experience and Qualifications:

- 1. The Prime Consultant submitting shall be a full service engineering firm experienced in the design, permitting, construction inspection and management of water and wastewater pipeline transmission systems.
- 2. The Prime Consultant should demonstrate its successful experience with design, permitting, construction inspection and management of various types of pipe materials including, but not limited to, polyvinyl chloride, high density polyethylene, concrete pressure pipe, ductile iron, steel and fiberglass.
- 3. The Prime Consultant should also demonstrate its successful design experience with large diameter pipelines of 36-inch or larger in diameter. It is preferred that the consultant team demonstrate its successful design experience with trenchless technologies, including but not limited to, Micro-tunneling and Horizontal Directional Drilling. The Prime Consultant shall provide a list of members of the proposed design team, identifying the overall design manager(s), and the team leaders for key design specialties.
- 4. The Prime Consultant shall provide descriptions of at least one (1) major successfully designed, constructed and operating, new or upgraded water transmission pipeline and one (1) wastewater collection system, and one (1) wastewater transmission pipeline in which the Prime Consultant has served as the designer. For projects that the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.
- 5. The Sub-consultants shall provide a description of at least one (1) project that is relevant to this scope of work specific to their proposed responsibilities. The descriptions shall

Negotiation Authorization Miami-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 3

include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Sub-consultant firm, the project's achievements, and client reference and contact information.

Term and Estimated Cost of Contract: Six (6) consultant/team of firms will be retained under six (6) separate non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects), and two (2) consultant/team of firms will be retained under two (2) separate non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects). Professional Services Agreements will have an effective term of six (6) years. The estimated cost of each agreement is \$5,500,000, inclusive of contingencies.

Small Business Development Goal/Measure: On February 1, 2016, the Internal Services Department's Small Business Development Division established a 20% utilization goal for Small Business Enterprise Architectural and Engineering firms applicable to this solicitation.

Request to Advertise Stamped by the Clerk of the Board: September 2, 2015; Revision Number 1 - November 30, 2015; and Revision Number 2 - February 12, 2016.

Number of Proposals Received: Twenty-One (21) proposals.

Name of Proposer(s): Please refer to the attached List of Respondents.

Small Business Development Compliance Review: Please refer to the attached Compliance Review Memorandum, dated July 6, 2016.

First Tier Results: See attached First Tier Tabulation Sheet.

Second Tier Results: Not applicable. Based on the Competitive Selection Committee's professional expertise the information provided in the proposals was deemed sufficient to determine the qualifications of the teams. As a result and by a majority vote, the Competitive Selection Committee decided to forego Second Tier proceedings.

Request for Appointment of Negotiation Committee: Pursuant to Section 2-10.4 (6) of the Code of Mlami-Dade County, the Internal Services Department hereby requests the County Mayor or his designee approve the following Negotiation Committee, for the purpose of negotiating six (6) non-exclusive Professional Services Agreements for Group A (Ocean Outfall Legislation Projects) and two (2) non-exclusive Professional Services Agreements for Group B (Non-Ocean Outfall Legislation Projects, respectively, with the highest ranked firms who qualify for such Group(s). In the event that a committee member is unable to attend a negotiation meeting, the negotiation committee may proceed with negotiations without that member.

- Julie Whiteside, Architectural and Engineering Consultant Selection Coordinator, Non-Voting Chairperson, Internal Services Department
- Daniel Edwards, Section Manager, Water and Sewer Department
- Isaac Smith, Senior Program Manager, Water and Sewer Department
- Jaquelyn Llano, Senior Professional Engineer, Regulatory and Economic Resources Department

Request for Authorization to Enter Negotiations: Pursuant to Section 2-10,4 (6) of the Code of Miami-Dade County, it is hereby requested that the County Mayor or his designee approve

Negotiation Authorization Miami-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 4

the selection of the following firms for negotiations, in the Competitive Selection Committee's recommended order of preference. See below:

# RANKING OF RESPONDENTS SELECTION FOR PROFESSIONAL SERVICES AGREEMENT NEGOTIATION EIGHT (8) AGREEMENTS WITH 20% SMALL BUSINESS ENTERPRISE – ARCHITECTURAL AND ENGINEERING GOAL (EACH)

#### **GROUP "A"**

A&P Consulting Transportation Engineers Corp.

Eligibility: Group A & B Adjusted Qualitative Points -- 276 Adjusted Ordinal Score -- 12 Final Ranking -- 1

Black & Veatch Corporation

Eligibility: Group A & B Adjusted Qualitative Points – 268 Adjusted Ordinal Score – 15 Final Ranking – 2

Kimley-Horn and Associates, Inc.

Eligibility: Group A & B
Adjusted Qualitative Points – 278
Adjusted Ordinal Score – 19
Final Ranking – 3

Stantec Consulting Services, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 276 Adjusted Ordinal Score – 21 Final Ranking – 4

Jacobs Engineering Group, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 272 Adjusted Ordinal Score – 23 Final Ranking – 5

Wade Trim, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 275 Adjusted Ordinal Score – 25 Final Ranking – 6

The following teams will serve as alternates for Group "A":

Tetra Tech, Inc.
Eligibility: Group A & B
Adjusted Qualitative Points – 264
Adjusted Ordinal Score – 26
Final Ranking – 9

Negotiation Authorization Miaml-Dade Water and Sewer Department ISD Project No. E15-WASD-01 Page 5

King Engineering Associates, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 265 Adjusted Ordinal Score – 31 Final Ranking – 11

Parsons Water & Infrastructure, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 259 Adjusted Ordinal Score – 34 Final Ranking – 14

#### **GROUP "B"**

EAC Consulting, Inc.

Eligibility; Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 25 Final Ranking – 7

Parsons Brinkerhoff, Inc.

Eligibility: Group B
Adjusted Qualitative Points – 269
Adjusted Ordinal Score – 26
Final Ranking – 8

The following teams will serve as alternates for Group "B":

Tetra Tech, Inc.

Eligibility: Group A & B Adjusted Qualitative Points – 264 Adjusted Ordinal Score – 26 Final Ranking – 9

CES Consultants, Inc.

Eligibility; Group B Adjusted Qualitative Points – 263 Adjusted Ordinal Score – 29 Final Ranking – 10

King Engineering Associates, Inc.

Eligibility: Group A & B
Adjusted Qualitative Points – 265
Adjusted Ordinal Score – 31
Final Ranking – 11

Pursuant to the Cone of Silence legislation included in the Conflict of Interest and Code of Ethics Ordinance, and Section 2-11.1 of the County Code, the County Mayor or his designee will report to the Board of County Commissioners any of the following instances:

When negotlations do not commence, or other affirmative action is not taken, within 30

# **EXHIBIT J**

# Small Business Development A&E Firm History Report MIAMI DADE COUNTY

PRIMES

From: 08/25/2013 To: 08/25/2016 FIRM NAME: A & P CONSULTING TRANSPORTATION ENGINEERS CORP. 10305 NW 41 St, Suite 115 Miami, FL 33178

PROJECT#	CONTRACT DEPT. MEASURES	WEASURES	AWARD	AMOUNT	
EDP-PW-S-20130277	1 PW	NO MEASURE	01/29/2014	\$80,108.00	
MD ROADWAY LIGHTING MANUAL					
			ı	\$80,108.00	
2 WS NON-EXCLUSIVE PROFESSIONAL SERVICES AGREEMENT FOR DESIGN SERVICES FOR THE IMPLEMENTATION OF A PUMP STATION IMPROVEMENT PROGRAM	2 WS GREEMENT FOR DESIGN UMP STATION IMPROVEMENT	GOAL CBE 40%	07/15/2014	\$3,300,000.00	
				\$3,300,000.00	
2 WS DESIGN OF UPGRADES FOR WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS	2 WS TION AND SANITARY SEWAGE	GOAL CBE 25%	02/03/2015	\$5,500,000.00	
				\$5,500,000,00	
	Total Char	Total Award Amount Total Change Orders Approved by BCC	\$8,880,108.00		
			,		· ·

\* Indicates closed or expired contracts
Disclaimer: Payments shown may not reflect current information Friday, August 26, 2016

Page 1

Ver: 1

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## **EXHIBIT K**



# **Capital Improvements Information System**

**Contractor Evaluations Report** 

<u>Dept</u> PE	<u>Confract</u> <u>E01-DERM-04, EP-3</u> WO: <u>I</u>	<u>Type</u> PSA	Contractor / Architect Name A & P Consulting Transportation Engineers		<u>Rater</u> Susel Ferrer	<u>Period</u> Project conclusion or closeout	<u>Rate</u> 3.6
WS	E05-WASD-12, GOB WO: <u>01</u>	PSA	Corp. A & P Consulting Transportation Engineers Corp.	10/24/2007	7 Reynaldo J. Abreu	Project conclusion or closeout	<u>3.9</u>
WS	<u>E05-WASD-12, GOB</u> WO: <u>03</u>	PSA	A & P Consulting Transportation Engineers Corp.	4/23/2008	Reynaldo J. Abreu	Completion of study or design	<u>3.9</u>
WS	E05-WASD-12, GOB WO: 01	PSA	A & P Consulting Transportation Engineers Corp.	4/23/2008	Reynaldo J. Abreu	Completion of study or design	<u>3.9</u>
WS ,	E07-WASD-08 (A)	PSA	A & P Consulting Transportation Engineers Corp.	1/8/2009	Eduardo M. Luis	Interim · .	<u>4.0</u>
ΡŅ	<u>20030188</u>	PSA	A & P Consulting Transportation Engineers Corp.	2/17/2009	Hector Aleman	Interim	<u>2.4</u>
PW	<u>20030188</u>	PSA	A & P Consulting Transportation Engineers Corp.	3/11/2009	Hector Aleman	Completion of study or design	<u>3.1</u>
PW	<u>20040330</u> WO: <u>2</u>	PSA	A & P Consulting Transportation Engineers Corp.	5/14/2009	Raul Quintela	Interim	<u>3,6</u>
WS	E07-WASD-08 (A) WO: <u>Task No. 1</u>	PSA	A & P Consulting Transportation Engineers Corp.	4/29/2010	Eduardo M, Luis	Project conclusion or closeout	<u>4.0</u>
WS	<u>E07-WASD-08 (A)</u> WO; <u>Task No. 1</u>	PSA	A & P Consulting Transportation Engineers Corp.	5/11/2010	Eduardo M, Luis	Project conclusion or closeout	<u>4.0</u>
ws	<u>E07-WASD-08 (A)</u> WO: <u>Task No. 1</u>	PSA	A & P Consulting Transportation Engineers Corp.	8/20/2010	Eduardo M. Luls	Project conclusion or closeout	<u>4.0</u>
WS	<u>E07-WASD-08 (A)</u> WO: <u>Task No. 3</u>	PSA	A & P Consulting Transportation Engineers Corp.	4/4/2011	Eduardo M. Luis	Project conclusion or doseout	<u>4.0</u>
WS	E07-WASD-08 (A) WO: <u>Task No. 4</u>	PSA	A & P Consulting Transportation Engineers	4/4/2011	Eduardo M. Luis	Project conclusion or closeoul	<u>4.0</u>

ws	<u>E07-WASD-08 (A)</u> WO: <u>Task No. 2</u>	PSA	Corp. A & P Consulting Transportation Engineers	4/7/2011	Eduardo M, Luis	Project conclusion or closeout	<u>4.0</u>
WS	E05-WASD-12, GOB WO; 08	PSA	Corp. A & P Consulting Transportation Engineers Corp.	4/24/2012	Eduardo M. Luis	Project canclusion or closeout	<u>4.0</u>
WS	<u>E05-WASD-12, GOB</u> WO; <u>04</u>	PSA	A & P Consulting Transportation Engineers Corp.	5/1/2012	Eduardo M. Luis .	Project conclusion or closeout	<u>.4.0</u>
PW	<u>20030188</u> WO: <u>2</u>	PSA	A & P Consulting Transportation Engineers Corp.	8/29/2013	Hector Aleman	Project conclusion or closeout	<u>3.4</u>
WS	E05-WASQ-12, GOB WO: 01A	PSA	A & P Consulting Transportation Engineers Corp.	9/6/2013	Eduardo M. Luls	Completion of study or design	<u>4.0</u>
WS	E05-WASD-12, GOB WO: 9	PSA	A & P Consulting Transportation Engineers Corp.	9/9/2014	Eduardo M, Luis	Project conclusion or closeout	4.0
WS ,	E05-WASD-12, GOB WO: <u>07</u>	PSA	A & P Consulting Transportation Engineers Corp.	1/28/2015	Eduardo M. Luis	Project conclusion or closeout	<u>4.0</u>
PW	<u>20040330</u>	PSA	A & P Consulting Transportation Engineers Corp.	3/18/2015	Hector Aleman	Completion of study or design	<u>3.2</u>
WS	<u>E†3-WASD-03D</u>	PSA	A & P Consulting Transportation Engineers Corp.	6/29/2015	Rolando M Roque	Completion of study or design .	<u>4.0</u>
ws	E13-WASD-10 (B) WO: 1	PSA	A & P Consulting Transportation Engineers Corp.	10/15/2015	Eduardo M. Luls	Completion of study or design	<u>4.0</u>

Evaluation Count: 23 Contractors: 1 Average Evaluation: 3.8

Exit

(Revised) Honorable Chairman Esteban L. Bovo, Jr. DATE: March 7, 2017 TO: and Members, Board of County Commissioners SUBJECT: Agenda Item No. 3(B)(4) FROM: Please note any items checked. "3-Day Rule" for committees applicable if raised 6 weeks required between first reading and public hearing 4 weeks notification to municipal officials required prior to public hearing Decreases revenues or increases expenditures without balancing budget Budget required Statement of fiscal impact required Statement of social equity required Ordinance creating a new board requires detailed County Mayor's report for public hearing No committee review Applicable legislation requires more than a majority vote (i.e., 2/3's 3/5's \_\_\_\_, unanimous \_\_\_\_\_) to approve

Current information regarding funding source, index code and available

balance, and available capacity (if debt is contemplated) required

Approved	<u> Mayor</u>	Agenda Item No.	3(B)(4)
Veto		3-7-17	
Override			

### RESOLUTION NO.

RESOLUTION RATIFYING **VARIOUS ACTIONS** BY COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE RELATED TO MIAMI-DADE WATER AND SEWER **DEPARTMENT'S** CONSENT DECREE AND CAPITAL **IMPROVEMENT** PROGRAMS ACCELERATION ORDINANCE PURSUANT TO SECTION 2-8.2.12 OF THE CODE **OF MIAMI-DADE** COUNTY, **FLORIDA** SPECIFICALLY THE AWARD AND EXECUTION OF FIVE (5) NON-EXCLUSIVE PROFESSIONAL SERVICES AGREEMENTS FOR **ENGINEERING** DESIGN AND RELATED SERVICES FOR DESIGN OF LARGE DIAMETER WASTEWATER PIPELINES AS WELL AS SANITARY SEWER FORCE MAINS AND SANITARY SEWER GRAVITY INTERCEPTORS GROUP Α (OCEAN OUTFALL LEGISLATION PROJECTS) TO WADE TRIM, INC., STANTEC CONSULTING SERVICES INC., BLACK & VEATCH CORPORATION, KIMLEY-HORN AND ASSOCIATES, INC., AND A&P CONSULTING TRANSPORTATION ENGINEERS CORP., EACH IN THE AMOUNT OF \$5,500,000.00; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXERCISE THE PROVISIONS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board (1) ratifies the actions of the County Mayor or County Mayor's designee, as authorized by Section 2-8.2.12 of the Code of Miami-Dade County, specifically the award and execution of five (5) Non-Exclusive Professional Services Agreements for Engineering Design and Related Services for Design of Large Diameter Wastewater Pipelines as well as Sanitary Sewer Force Mains and Sanitary Sewer Gravity Interceptors Group A (Ocean Outfall Legislation Projects) to Wade

Agenda Item No. 3(B)(4) Page No. 2

Trim, Inc., Stantec Consulting Services Inc., Black & Veatch Corporation, Kimley-Horn and Associates, Inc., and A&P Consulting Transportation Engineers Corp., each in the amount of \$5,500,000.00, all as set forth in the accompanying memorandum; and (2) authorizes the County Mayor or County Mayor's designee to exercise the provisions contained in such contracts, as set forth in the accompanying memorandum. The solicitation documents and resulting contracts are kept on file with and are available upon request from the Intergovernmental Affairs Division of the Miami-Dade Water and Sewer Department.

The foregoing resolution was offered by Commissioner who moved its adoption. The motion was seconded by Commissioner and upon being put to a vote, the vote was as follows:

Esteban L. Bovo, Jr., Chairman Audrey M. Edmonson, Vice Chairman

Bruno A. Barreiro Jose "Pepe" Diaz Barbara J. Jordan Jean Monestime Rebeca Sosa Xavier L. Suarez Daniella Levine Cava Sally A. Heyman Joe A. Martinez Dennis C. Moss Sen. Javier D. Souto

Agenda Item No. 3(B)(4) Page No. 3

The Chairperson thereupon declared the resolution duly passed and adopted this 7<sup>th</sup> day of March, 2017. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this Resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA BY ITS BOARD OF COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

Approved by County Attorney as to form and legal sufficiency.

SED

Sara E. Davis