

ADDENDUM NO. ONE

DATE: July 28, 2016
DEPARTMENT: Miami-Dade Water & Sewer Department
ISD PROJECT NAME: Design-Build Services for the Construction of a New Drinking Water Laboratory Building at the Alexander Orr, Jr. Water Treatment Plant
ISD CONTRACT NUMBER: DB16-WASD-02
SUBMITTAL DATE: August 10, 2016
CONSULTANT COORDINATOR: Julie Whiteside

This Addendum is issued to clarify and/or modify the previously issued Request for Design Build Services (RDBS), and is hereby made part of the RDBS. All requirements of the RDBS not modified herein shall remain in full force and effect as originally set forth. Please be sure to acknowledge receipt of this Addendum on Exhibit K, Acknowledgement of Addenda Form.

MODIFICATIONS:

1. Delete Section 1.19, Sustainable Building Program (Not Applicable) and replace with the following:

1.19 SUSTAINABLE BUILDING PROGRAM

The selected Design Builder shall also be responsible for incorporating LEED approved green building principles. Pursuant to Miami-Dade County Implementing Order No. 8-8 "Sustainable Building Program", all new construction projects shall be required to attain "Silver" or higher certification level under the LEED-NC Rating System. The participation of experienced LEED AP professionals is required in order to achieve optimum results in the application of said practices.

2. Add the following to page 6, Scope of Services:

1. • Achieve LEED Certification issued by the US Green Building Council (USGBC) of at least Silver rating at above 50 points.
2. At the end of the third to the last paragraph (2. Final Completion ...): **LEED certification of at least Silver rating at above 50 points must be obtained.**

3. Delete the following on page 21, Experience and Qualifications, B. Lead Designer:

4. It is preferred that the Lead Designer or its firm members has a Lead Designer that is a documented Leadership in Energy and Environmental Design (LEED) Green Associate and has LEED AP BD+C and ID+C certification.

And replace with the following:

4. Lead Designer shall demonstrate knowledge and submit experience with requirements from NELAC – the National Environmental Laboratory Accreditation Conference. Lead Designer shall have passed the exam and be a LEED Green Associate with a documented, up-to-date understanding of the most current green building principles and practices and committed to the principles of Green design. The Lead Designer shall also possess an LEED AP BD+C and ID+C certifications.

4. Delete the following from page 27, Section 2.5, Step 1 Format and Contents:

- i) Design-Builder shall provide a narrative that explains how the Design-Builder and team members can efficiently interface with the County and WASD in a timely and effective manner

with respect to items such as regular and emergency communications, submittals, meeting attendance, commercial issues and other project related activities.

And replace with the following:

- i) **Form RFTE 1 “Residents First Training and Employment Program Responsible Contractor/Subcontractor Affidavit Form”**

5. Delete the following from page 36, Section 3.10, Step 2 Selection Criteria:

Step 2 Selection Criteria	Maximum Points
1B. Project Design Approach	50
2B. Project Construction Approach	25
3B. Ability to Provide Required Services within Schedule and Budget	20
TOTAL MAXIMUM POINTS	100

And replace with:

Step 2 Selection Criteria	Maximum Points
1B. Project Design Approach	40
2B. Project Construction Approach	40
3B. Ability to Provide Required Services within Schedule and Budget	20
TOTAL MAXIMUM POINTS	100

QUESTIONS:

Q1:

1. The RFP requirements indicate that the Sustainable Building Program is not applicable for this project. Does this mean that a green building certification will not be pursued? However, on page 21 Section B indicates that preference for a LEED AP to be part of the design team.
2. Please confirm that a Commissioning Authority will be required to perform the testing and commissioning services as per scope requirements on page 5.

A1:

1. Please refer to Modification 1 above.
2. Commissioning Authority for Testing and Commissioning is required as part of this contract.

Q2: Please provide a copy of the Request to Advertise (RTA).

A2: Please see attached.

Q3: Would a Team qualify for the Local Certified Veteran Business Enterprise Preference if a team member firm meets the qualification requirements, or do they need to be met by the Design-Builder?

A3: A Team is only qualified to receive the Local Certified Veteran Business Enterprise Preference if the Design-Builder meets the certification requirements.

Q4: Can the date of the submittal of questions be extended?

- A4:** The deadline will not be extended, however all questions that are submitted will be reviewed. If it is determined that responses are warranted, answers will be provided via addendum.
- Q5:** Does WASD have a conceptual design ready and if yes, can it be provided?
- A5:** Will be provided after Step 1, to short-listed firms as part of Volume II Design Criteria Package.
- Q6:** Are there any as built available of the existing site and laboratory?
- A6:** Will be provided after Step 1, to short-listed firms as part of Volume II Design Criteria Package.
- Q7:** Can WASD provide a list of the lab equipment that will be transferred to the new laboratory?
- A7:** Will be provided after Step 1, to short-listed firms as part of Volume II Design Criteria Package.
- Q8:** Can WASD provide a list of the new lab equipment that will be required?
- A8:** Will be provided after Step 1, to short-listed firms as part of Volume II Design Criteria Package.
- Q9:** Can WASD provide the anticipated construction cost and the anticipated design cost?
- A9:** Please see attached RTA.
- Q10:** Has there been a site investigation performed? If yes, can the same be provided?
- A10:** Limited information available. Will be provided after Step 1, to short-listed firms as part of Volume II Design Criteria Package.
- Q11:** If you are a local Certified Veteran Business Enterprise does the 5% apply only if you are submitting as a prime or does it apply to the prime if you are submitting as a sub?
- A11:** Please refer to A3 above.
- Q12:** Can we perform a site visit? If yes, who do we need to notify and with whom do we need to schedule this visit?
- A12:** A Site Visit will be scheduled with the short-listed firms.
- Q13:** There is a reserve in the budget of \$1,211,641 for contingencies and dedicated allowances. Do the allowances include permit fees, builder's risk and other soft costs? Could you itemized this portion of the budget?
- A13:** Allowances are for permit fees and unforeseeable conditions, not for builders risk etc. or soft costs, and need to be approved by WASD before use. Itemization is not available.

Q14: One of the SBE requirements is to include an LCVBE. What is the percentage requirement for this SBE?

A14: Please refer to Section 1.9, Contract Measures for SBE requirements, and Section 1.13, for Local Certified Veteran Business Enterprise Preference. Should you have further questions regarding the SBE requirements, please contact Laurie Johnson directly at 305-375-3121 or at laurie@miamidade.gov.

Q15: Can you please indicate the permitting agencies that will be required for this project?

A15: Miami-Dade County Building Permit; SFWMD Environmental Resources Permit; Possibly National Environmental Laboratory Accreditation Certification (NELAC), EPA, etc.

Q16: Are there any known environmental issues on the site?

A16: No known environmental issues at this point.

Q17: Will WASD be direct purchasing any big ticket items for the project to save on state taxes paid?

A17: No.

Q18: Are there any special access requirements to the plant for subs and personnel (badging, screening, background check, etc.)?

A18: Yes. Access to this Project site is restricted. After award and prior to commencement of work, the Contractor shall meet with the Plant Superintendent and WASD Security Management to submit required information and review security parameters related to the Project. Subcontractors are also required to comply with all security requirements and it shall be the responsibility of the Prime Contractor to insure a subcontractor is in compliance with all requirements. Details of the security procedures will be provided after step 1, to short-listed firms as part of Volume II Design Criteria Package.

Q19: Is this a tax exempt job?

A19: Contractor should pay all applicable taxes.

Q20: Will there be a storage place (outside of the jobsite) for the equipment removed from the existing lab? If not, does the equipment have any special storage requirements (humidity, temperature, etc.)?

A20: Staging area, temporary facility location will be provided, contractor is responsible to set up appropriate facilities.

Q21: Is there any underground structure (foundations or utilities) that has to be removed?

A21: Not known.

Q22: The RFQ mentions an “attached site plan” but is not included in the solicitation. Is the site plan available?

A22: Yes. Attached.

Q23: Are we building a new building on an empty site or are demolishing and existing building and then replacing it with a new building on the same site.

A23: New building on an empty site. Equipment currently stored on site will be removed by WASD.

Q24: Will all the inspections be local or will any out-of-state inspections with a strict calendar be required?

A24: Contractor to coordinate inspections. EPA, National Environmental Laboratory Accreditation Certification (NELAC) or LEED may have out-of-state inspections.

Q25: Does any part of the facility, services, equipment have to be operational at all times which would require special consideration?

A25: New building will be on empty site. However, site is inside water treatment plant, construction shall not affect any part of water plant operations at any time.

Q26: How many departments would be involved in the commissioning of the equipment?

A26: WASD only.

Q27: Is there any milestone or phasing plan that can be reveal at this point?

A27: Not at this time.

ATTACHMENTS:

- 1. Request to Advertise (RTA)**
- 2. Site Plan**

ALL OTHER PROVISIONS OF THE ORIGINAL “NOTICE TO PROFESSIONAL CONSULTANTS” REMAIN UNCHANGED.

ec: Patty D. Palomo, Miami-Dade County Water & Sewer Department
Clerk of the Board

CLERK OF THE BOARD

2016 JUL -5 AM 8:25

Memorandum



CLERK, CIRCUIT & COUNTY CTS.
MIAMI-DADE COUNTY, FLA.
#1

Date: July 1, 2016

To: Lester Sola, Director
Water and Sewer Department

From: Hardeep Anand, Deputy Director of Capital Improvement
Water and Sewer Department

A handwritten signature in black ink that reads "Hardeep Anand".

Subject: Request to Advertise for Design-Build Services for the Construction of a New Drinking Water Laboratory Building at the Alexander Orr, Jr. Water Treatment Plant –
Project No: DB16-WASD-02

PROJECT NAME:

Design-Build Services for the Construction of a New Drinking Water Laboratory Building at the Alexander Orr, Jr. Water Treatment Plant

PROJECT NO: DB16-WASD-02

PROJECT DESCRIPTION:

The scope of services shall include, but not be limited to, surveying, geotechnical investigations, engineering, programming, engineering and architectural design, technical specifications, construction drawings and documents, permitting, construction, construction management, coordination, testing and commissioning services of the new Drinking Water Laboratory to replace existing undersized and deteriorated Laboratory. The design and construction services rendered by the Design-Builder shall result in a complete, functional and operable Drinking Water Laboratory to house a total staff of twenty (20) people and twelve (12) visitors. The New Drinking Water Laboratory Building shall include:

- Parking for thirty-two (32) vehicles, six (6) county cars and three (3) golf carts with canopy-covered and battery charging stations, landscaping and amenities, all within the delineated site plan attached;
- Foundations, structural walls, roof, windows, doors, interior and exterior finishes;
- Laboratory spaces with laboratory cabinets, laboratory sinks, installation of the WASD supplied laboratory refrigerators and laboratory equipment;
- Moving and installing equipment from the existing laboratory to the new laboratory;
- Performing relocations of equipment from the existing laboratory including disconnecting, loading, transporting, coordinating, installing and unloading, this equipment in the designated location;
- Miscellaneous utilities coordination for laboratory use including gases, deionized and demineralized water, regular water, drainage, sanitary sewer, polished water and laboratory water systems;
- Electrical system to include power and lighting, telephone, voice, data and negotiate and coordinate with Florida Power and Light;

- Ventilation special heating, ventilation, general air conditioning needs and separate air conditioning system for laboratory spaces with one hundred percent (100%) outside air including ducting of air removal (no plenum use);
- Construction of offices, storage areas, men and women lavatories, dress/undressing area, locker room area, lunch room and a standard preparation storage area;
- Mechanical air conditioning spaces, electrical and uninterrupted power supply room, phone and computer server rooms, receiving area and foyer entry area, delivery entrance, three (3) administration offices, a secretary's area, a conference room, one (1) microbiology laboratory, one (1) chemical storage area, one (1) dry storage area, one (1) records storage area, one (1) chemical waste space, one (1) laboratory water space with delivery and pickup access from the delivery area and one (1) area for laboratory gases with access for delivery and pickup;
- Two (2) mass-spectrometer gas-chromatograph laboratories;
- A standard preparation storage area;
- Three (3) wet chemistry general laboratories, to include one (1) general wet chemistry space, one (1) solution preparation space and one (1) wet chemistry instrumentation space;
- Asphaltic pavement, concrete sidewalks, concrete curbs and gutters, trees, landscaping, sod, pavement markings, traffic and directional signs;
- Designing and constructing sewage pump station; connection to water and sewer; and
- All other appurtenant and miscellaneous items and work for a complete and fully functional installation of a Drinking Water Laboratory located in the Alexander Orr, Jr. Water Treatment Plant.

The Design-Builder shall complete the Project as follows, which excludes the warranty administration period:

Substantial Completion shall be on or before 900 calendar days after the date of Notice to Proceed which requires placing into service a new drinking-water-testing laboratory and shall include all work associated with surveying, geotechnical investigations, engineering, design, technical specifications, permitting, construction, testing and commissioning services for the complete and fully operational installation of the new drinking-water-testing laboratory. Substantial Completion shall occur when the Project is in a state which is fit for the use or operation intended except for minor items identified and has a Certificate of Occupancy.

Final Completion Date for the drinking-water-testing laboratory (Final Completion and Project Closeout) shall be on or before 960 calendar days after the date of Notice to Proceed, which requires:

1. Construction of a new drinking-water-testing laboratory, which shall include all work associated with engineering, design, permitting, construction, testing, commissioning services and restoration within the construction site and surrounding areas. The Work shall include furnishing, installing and testing all required equipment, appurtenances and accessories for the new drinking-water-testing laboratory.
2. Final Completion and Project Closeout shall include obtaining acceptance and approvals by all applicable regulatory agencies, including WASD, of all work and services under the Contract,

and shall include all remaining site restorations, record documents and all other remaining incomplete or unacceptable work items identified at or subsequent to Substantial Completion.

If the Design-Builder does not achieve Substantial Completion by the established Substantial Completion contract date, Liquidated Damages (LDs) will be assessed in the amount of two thousand five hundred dollars (\$2,500) per calendar day, which will be paid to the County by the Design-Builder.

If the Design-Builder does not achieve Final Completion by the established Final Completion contract date, LDs will be assessed in the amount of one thousand dollars (\$1,000) per calendar day, which will be paid to the County by the Design-Builder. LDs will be cumulative if both the Substantial Completion contract date and the Final Completion contract date are exceeded. All assessments of LDs to the Design-Builder may be adjustments to payments due to the Design-Builder.

MANAGING DEPARTMENT: Miami-Dade Water and Sewer

PROJECT LOCATION: The Project is located at 6800 S.W. 87 Avenue
Miami, Florida

PRIMARY COMMISSION DISTRICT: District 7, Commissioner Xavier L. Suarez

FISCAL IMPACT / FUNDING SOURCE

Future WASD Revenue Bonds, WASD Future Funding and WASD Revenue Bonds Sold

CAPITAL BUDGET PROJECT # - DESCRIPTION	<u>RTA ESTIMATE</u>
9650031 WATER TREATMENT PLANT – ALEXANDER ORR, JR	
Book Page: 143 Adopted Capital Book for Fiscal Year 2016-2021	\$7,192,306

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

Type	Code	Description
PRIME	6.03	WATER AND SANITARY SEWER SYSTEMS – WATER AND SANITARY SEWAGE TREATMENT PLANTS
PRIME	14.00	ARCHITECTURE
OTHER	9.01	SOILS, FOUNDATIONS AND MATERIALS TESTING – DRILLING, SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES
OTHER	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING – GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
OTHER	9.03	SOILS, FOUNDATIONS AND MATERIALS TESTING – CONCRETE AND ASPHALT TESTING SERVICES
OTHER	9.04	SOILS, FOUNDATIONS AND MATERIALS TESTING – NON-DESTRUCTIVE TESTING AND INSPECTIONS
OTHER	10.02	ENVIRONMENTAL ENGINEERING – ENVIRONMENTAL GEOLOGY SERVICES
OTHER	10.05	ENVIRONMENTAL ENGINEERING – CONTAMINATION ASSESSMENT AND MONITORING

OTHER	10.06	ENVIRONMENTAL ENGINEERING – REMEDIAL ACTION PLAN DESIGN
OTHER	10.07	ENVIRONMENTAL ENGINEERING – REMEDIAL ACTION PLAN IMPLEMENTATION/OPERATION/MAINTENANCE
OTHER	11.00	GENERAL STRUCTURAL ENGINEERING
OTHER	12.00	GENERAL MECHANICAL ENGINEERING
OTHER	13.00	GENERAL ELECTRICAL ENGINEERING
OTHER	15.01	SURVEYING AND MAPPING – LAND SURVEYING
OTHER	15.03	SURVEYING AND MAPPING – UNDERGROUND UTILITY LOCATION
OTHER	16.00	GENERAL CIVIL ENGINEERING
OTHER	17.00	ENGINEERING CONSTRUCTION MANAGEMENT
OTHER	18.00	ARCHITECTURAL CONSTRUCTION MANAGEMENT
OTHER	19.09	VALUE ANALYSIS AND LIFE-CYCLE COSTING – SOILS, FOUNDATIONS AND MATERIALS TESTING
OTHER	20.00	LANDSCAPE ARCHITECTURE
OTHER	22.00	AMERICANS DISABILITY ACT TITLE II CONSULTANT

SBD BUSINESS DEVELOPMENT (SBD)

REVIEW DATE: 05/16/2016

SIGNOFF DATE: 05/24/2016

SBD ASSIGNED CONTRACT MEASURES: See Attachment "A":

TYPE	GOAL	COMMENT
SBE – Construction	15.02%	Implementing Order 3-22
SBE – A/E	14.98%	Implementing Order 3-32
SBE – Goods and Services	2.58%	Implementing Order 3-41

TOTAL ESTIMATED CONTRACT PERIOD: 960 Calendar Days

TOTAL CONTINGENCY PERIOD: 96 Calendar Days

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No

BASE CONTRACT AMOUNT: \$5,980,665 Estimated Construction Cost \$ 5,088,669
 Estimated Engineering Cost \$ 891,996

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):

Type	Percent	Amount	Contingency allowance fees in accordance with Ordinance 00-65 is 5% of the total construction cost and 10% of the estimated engineering cost.
Construction	5%	\$254,434	
Engineering	10%	\$ 89,200	
Total Contingency Allowance		\$343,633	

PERMIT FEES:	\$ 152,660
ART IN PUBLIC PLACES:	\$ 76,330
TOTAL DEDICATED ALLOWANCE:	\$ 639,018
COST ESTIMATE:	\$ 7,192,306

SEA LEVEL RISE (Ord. No. 14-79):

The impact of sea level rise will be considered as part of the design.

MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS: Yes

A. Lead Constructors:

1. The Lead Constructor or its firm members performing the construction of the laboratory must have a minimum of two (2) years total building construction industry experience and preferably have constructed at least one (1) laboratory facility consisting of a minimum of 5,000 total square feet.
2. It is preferred that the Lead Constructor or its firm members performing the construction for the laboratory has experience in the construction of a laboratory within a university, hospital, school, utility or for another similar organization.

B. Lead Designers:

1. The Lead Designer or its firm members performing the design of the laboratory must have Architecture & Engineering industry experience and it is preferred that the Lead Designer or its firm members would have designed at least one (1) laboratory facility.
2. It is preferred if the Lead Designer or its firm members performing the design for the laboratory has designed a laboratory within a university, hospital, school, utility or for another similar organization.
3. It is preferred that the Lead Designer or its firm members has experience with requirements from the National Environmental Laboratory Accreditation Conference.
4. It is preferred that the Lead Designer or its firm members has a Lead Designer that is a documented Leadership in Energy and Environmental Design (LEED) Green Associate and has LEED AP BD+C certification.

C. Subconsultants:

1. Subconsultants to the Design-Builder or Lead Designer providing services must demonstrate to have designed at least one (1) project(s) that involved the main project element for which the Subconsultant is being proposed.

D. Design-Build Team Key Personnel Experience and Qualifications:

1. Preferred ten (10) years total industry experience of which five (5) years in a similarly responsible position for each of the following Key Personnel:
 - Design-Build Project Manager
 - Lead Designer-Design Manager
 - Lead Constructor-Construction Manager

- Lead Architect
 - Lead Civil Engineer
 - Lead Mechanical Engineer
 - Lead Electrical Engineer
 - Superintendent
 - Permitting/Compliance Manager
 - Design-Builder Quality Assurance/Quality Control Manager
 - Design-Builder Safety Manager
 - LEED Green Associate/Construction Manager
2. Key Personnel must demonstrate experience with the type of work to be performed.
 3. Proposers shall identify in their Statement of Qualifications those State of Florida registered Architects and Professional Engineers who will sign and seal construction plans and specifications.
 4. Key Personnel resumes shall indicate the individual's current firm association, their professional qualifications, a client reference with contact information, and their role and duration on each project for which they are being credited the related experience.
- E. Additional Preferred Experience and Past Performance:
1. Experience in significant role on a Design-Build project, especially in a similar role as proposed for this Project.
 2. Superior references with regard to meeting cost, schedule and quality objectives on previous projects and maintaining a positive client relationship.
- F. Design-Builder Safety Record-Past Performance:
Past performance as reflected by a three (3) year average for the last three (3) previous full years of the Experience Modification Rate (EMR) for the Design-Builder shall not exceed 1.10 for each firm.

Design-Builders shall provide EMR data for the previous three (3) full calendar years (2013, 2014 and 2015) on a firm-wide basis documented by a signed letter with contact information from the firm's insurance carrier, or the insurance carrier's agency representative. Higher qualification scores shall be provided by the Competitive Selection Committee (CSC) for a Design-Builder demonstrating an average EMR lower than other competing Design-Builder firms. Design-Builder shall also provide their Occupational Safety and Health Administration (OSHA) forms 300 and 300A for the last three (3) full calendar years (2013, 2014 and 2015) indicating OSHA submitted accident data for evaluation by the CSC as to their frequency and severity.

APPLICABLE WAGES: No

MANDATORY CLEARING HOUSE: No

CONTRACT MANAGER NAME/PHONE/EMAIL:
Patty Palomo/(786) 552-804/Patty.Palomo@miamidade.gov

PROJECT MANAGER NAME/PHONE/EMAIL:
Hallet Stiles/(786) 268-5365/ hstiles@miamidade.gov

BACKGROUND

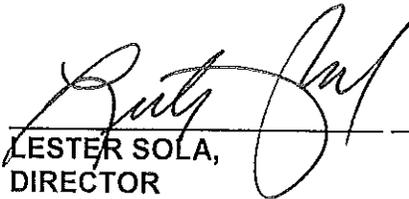
The available space in the existing Alexander Orr, Jr. Water Treatment Plant (AOWTP) lab provides inadequate working capacity and does not meet current laboratory design standards. This creates operational inefficiencies as lab personnel are required to share bench space, workstations and instruments. Additionally, the location of the existing AOWTP lab is vulnerable to cross-contamination from generators, treatment chemicals and solvents which all interfere with instrument operations, in particular the gas chromatograph, resulting in aborted test runs and repeated sample collection and analyses. Today's state-of-the-art lab instruments require an ample, stand-alone laboratory located away from potential chemical contamination sources which will be accomplished by this project.

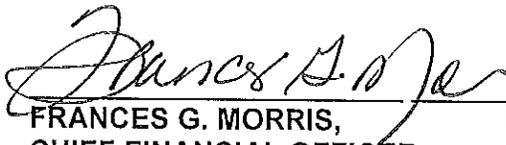
DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

COMMITTEE MEMBER AND TITLE	YEAR HIRED	GENDER/ ETHNICITY	EDUCATION	PROFESSIONAL LICENSES
Marjorie Jolly, Chemist 3 (Member)	1984	Female/ Black	Bachelor of Science in Chemistry	NELAC Certified
Heriberto Delgado, Architect (Member)	1993	Male/ Hispanic	Bachelor of Science in Architecture	Architectural Registration 0016076 State of Florida, Certificate Number 76144 National Council of Architectural Registration Board
Joseph Marcellin, Architect 2 (Alternate Member)	1993	Male/ Black	Bachelor of Science in Architecture	Certified General Contractor, Certified Mechanical Contractor, Certified Underground Utility and Excavation, Certified Plumbing Contractor and Certified Air Conditioning Contractor
Armando Salazar, (Technical Member)	1986	Male/ Hispanic	Bachelor of Science in Biology	NELAC Certified

SIGNATURE PAGE

Design-Build Services for Design Build Services Construction of a New Drinking Water
Laboratory Building at the Alexander Orr, Jr. Water Treatment Plant –
Project No: DB16-WASD-02


LESTER SOLA, DIRECTOR
WASD
6/29/16
DATE


FRANCES G. MORRIS,
CHIEF FINANCIAL OFFICER
WASD
6/28/16
DATE


JENNIFER MOON,
DIRECTOR
OMB
7/1/16
DATE

FY 2015 - 16 Adopted Budget and Multi-Year Capital Plan

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 Miami-Dade County
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	0	465	793	3,409	7,705	0	12,371
TOTAL REVENUES:	0	0	0	465	793	3,409	7,705	0	12,371
EXPENDITURE SCHEDULE:	PRIOR	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	FUTURE	TOTAL
Construction	0	0	0	413	705	3,034	6,857	0	11,010
Planning and Design	0	0	0	51	87	375	848	0	1,361
TOTAL EXPENDITURES:	0	0	0	465	793	3,409	7,705	0	12,371

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:

7
Systemwide

REVENUE SCHEDULE:	PRIOR	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	18,714	17,512	8,027	18,946	28,588	1,699	93,486
WASD Future Funding	0	0	0	0	0	0	0	31,546	31,546
WASD Revenue Bonds Sold	17,407	0	0	0	0	0	0	0	17,407
TOTAL REVENUES:	17,407	0	18,714	17,512	8,027	18,946	28,588	33,245	142,439
EXPENDITURE SCHEDULE:	PRIOR	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	FUTURE	TOTAL
Construction	5,814	9,330	16,281	15,236	6,983	16,483	24,871	28,923	123,922
Major Machinery and Equipment	267	429	749	700	321	758	1,144	1,330	5,698
Planning and Design	601	965	1,684	1,576	722	1,705	2,573	2,992	12,820
TOTAL EXPENDITURES:	6,683	10,724	18,714	17,512	8,027	18,946	28,588	33,245	142,439

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
Hialeah

District Located:
District(s) Served:

6
Systemwide

REVENUE SCHEDULE:	PRIOR	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	12,800	23,050	16,000	5,000	5,000	0	61,850
WASD Future Funding	0	0	0	0	0	0	0	5,250	5,250
WASD Revenue Bonds Sold	22,533	0	0	0	0	0	0	0	22,533
TOTAL REVENUES:	22,533	0	12,800	23,050	16,000	5,000	5,000	5,250	89,633
EXPENDITURE SCHEDULE:	PRIOR	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	FUTURE	TOTAL
Construction	5,174	4,515	5,504	9,912	6,880	2,150	2,150	2,258	38,542
Major Machinery and Equipment	4,091	3,570	4,352	7,837	5,440	1,700	1,700	1,785	30,475
Planning and Design	2,768	2,415	2,944	5,302	3,680	1,150	1,150	1,208	20,616
TOTAL EXPENDITURES:	12,033	10,500	12,800	23,050	16,000	5,000	5,000	5,250	89,633

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

