Memorandum

MIAMI-DADE COUNTY

Date: September 25, 2020

To: Gary Hartfield, Division Director
Internal Services Department,
Division of Small Business Development

From: Josenrique Cueto, P.E., Assistant Director
Planning and Regulatory Compliance
Miami-Dade Water and Sewer Department

CONSENT DECREE PROJECT

Subject: Review Item: Design-Build Services for the Construction of the North District Wastewater Treatment Plant Oxygen Trains and Oxygen Production Facility - Project No. DB20-WASD-02

The Miami-Dade Water and Sewer (WASD) is requesting that the subject project be reviewed for Small Business Enterprise (SBE) measures for construction, architectural and engineering (A/E) and goods and services (G/S), in order to proceed with the advertisement and subsequent consultant selection for this project.

The duration of the proposed Design-Build contract is 1,320 calendar days. The total maximum compensation for the Design-Build contract is $101,528,494.00, which includes the following:

- $ 74,415,920 estimated construction cost
- $ 7,266,000 estimated engineering and architecture services
- $ 3,720,796 construction contingency fee (5%)
- $ 726,600 engineering contingency fee (10%)
- $ 13,166,700 dedicated allowance
- $ 2,232,478 permitting fees (3%)

TECHNICAL CATEGORY (TC)	DESCRIPTION	TOTAL PERCENTAGE TC (%)	SBE %
6.03 Lead A/E	Water and Sanitary Sewer Systems – Water and Sanitary Sewage Treatment Plants	24%	2.50%
11.00 Lead A/E	General Structural Engineering	11%	2.50%
12.00 Lead A/E	General Mechanical Engineering	7.5%	1.50%
13.00 Lead A/E	General Electrical Engineering	19%	1.50%

16.00 Lead A/E	**General Civil Engineering**	**19%**	**6.00%**
17.00 Lead A/E	**Engineering Construction Management**	**7%**	**0.90%**
9.02 Other	Soils, Foundations and Materials Testing- Geotechnical and Materials Engineering Services	4%	0.05%
10.05 Other	Environmental Engineering-Contamination Assessment and Monitoring	2%	0.15%
14.00 Other	Architecture	4%	0.05%
15.01 Other	Surveying and Mapping – Land Surveying	2.5%	0.05%
	TOTAL	100%	15.20%

Firms providing engineering services must be certified in the following technical categories and the respective percentages of the disciplines as indicated below

WASD is recommending a 15.20% SBE A/E, 5.1432% SBE-Construction, and a 1% SBE (G/S) participation goal. Attached are WASD's Departmental Input Worksheets, the Minimum Experience and Qualifications requirements and the Scope of Services for your review and approval.

If you have any questions, please contact Patty Palomo, Chief, Intergovernmental Affairs Section at Patty.Palomo@miamidade.gov or 786-552-8040.

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Contract/Project Title: Design-Build Services for the North District Wastewater Treatment Plant Oxygen Trains and Oxygen Production Facility Consent Decree

Contract/Project No. DB20-WASD-02

Description: Design Build Services for the North District Wastewater Treatment Plant Oxygen Trains and Oxygen Production Facility

DEPARTMENT: Miami-Dade Water and Sewer Department (WASD) **CONTACT:** Patty Palomo
PHONE: (786) 552-8040

Estimated Cost: $7,266,000 excluding contingency

Funding Sources: 964120 – Wastewater Treatment Plants – Consent Decree Projects

ANALYSIS

Commodity/Service No. _____ SIC: _____
Trade/Commodity/Service Opportunities

Contract/Project History of Previous Purchases for Previous Three (3) Years
Check Here if this is a New Contract/Purchase with no Previous History

	Existing	2nd Year	1st Year
Contractor			
Ethnicity/Race			
Gender			
Contract Value			

COMMENTS: _____

RECOMMENDATIONS

SBE GOAL 15.20% (A&E) BID PREFERENCE _____ NO MEASURE _____

Analysis for Goal Recommendation

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
	$		
	$		
	$		
Total:	$		

Basis for Recommendation: WASD proposes that the goal can be achieved with SBE firms assisting with 6.03 - 2.5%, 11.00 - 2.5%, 12.00 - 1.5%, 13.00 - 1.5%, 16.00 - 6%, 17.00 - .90%, 9.02 - .05%, 10.05 - .15%, 14.00 - .05%, and 15.01 - .05%.

By: Josenrique Cueto, Assistant Director Date: 9/25/20

Internal Services Department Date:

SCOPE OF SERVICES

Design-Build Services for the North District Wastewater Treatment Plant
Oxygen Trains and Oxygen Production Facility Consent Decree
Project No. DB20-WASD-02

Miami-Dade County has entered into a Consent Decree (United States District Court for the Southern District of Florida, Case No. 1:12-cv-24400-FAM, hereinafter referred to as "Consent Decree" or CD) with the United States, Environmental Protection Agency, the State of Florida, and Florida Department of Environmental Protection (FDEP) (collectively "Regulatory Agencies"), to remediate its aging wastewater infrastructure. This project is intended to satisfy the requirements identified in the Consent Decree (CD) as CD Projects 3.03 and 3.04. The full text of the CD is available online at:

http://www.miamidade.gov/water/library/reports/consent-decree/consent-decree-signed.pdf

It is the intention of the WASD to contract Design-Build services for the design and construction of the North District Wastewater Treatment Plant Oxygen Trains and Oxygen Production Facility. The Design-Builders shall respond to the Request for Design-Build Services by addressing the Scope of Work for CD Projects 3.03 and 3.04. The Design-Builder shall be familiar with and comply with the requirements of the CD.

Pursuant to Florida Statutes 287.055, "A Design Criteria Professional who has been selected to prepare the design criteria package is not eligible to render services under a Design-Build contract executed pursuant to the Design Criteria Package." The County reserves the right to disqualify any proposal from a team which includes any subconsultant and/or individual who has played a substantial role in the development of the Design Criteria Package (DCP) or whose involvement with the Design-Build team would confer upon that team an unfair competitive advantage because of such subconsultant's or member's prior involvement in the Project.

The Design Criteria Profession, Brown and Caldwell, and the following subconsultants are not eligible to render Design-Build services for this solicitation: Avino and Associates Inc.; BND Engineers Inc.; Geosol Inc. and T.Y. Lin International Group

In addition, AECOM; 300 Engineering Group, PA; Parsons Transportation Group, Inc.; Gannett Fleming, Inc,; and Robayna and Associations, Inc. under Professional Services Agreement No. 14ATSI001; Project No. E13-WASD-01-R for Program and Construction Management Services Related to the Wastewater System Priority Projects, are not eligible to render Design-Build services for this solicitation:

The Design-Builder shall provide all resources and professional services to perform the planning, engineering design, permitting, construction, furnishing of all materials, fabrication/installation, labor, and equipment necessary for the construction of all civil/site, process mechanical, architectural, structural, electrical, instrumentation, plumbing, heating, ventilation and air conditioning (HVAC), fire protection, and all other necessary components to facilitate successful design, construction, and commissioning of the new Oxygen Production Facility located at the North District Wastewater Treatment Plant, 2575 NE 156th Street, North Miami Beach, FL 33160. The major elements of the Project include:

1. Oxygenation Trains - Rehabilitation of Oxygenation Trains Structural, Mechanical, HVAC, Instrumentation and Electrical Systems. Specifically, it consists of the following:
    a) Design, furnish and replace Ten (10) of the existing 24 mechanical aerators on oxygenation trains 1 to 6.

b) Design, furnish and replace five (5) new gear box and motors of the existing 24 mechanical aerators on oxygenation trains 1 to 6.

c) Design, furnish and replace all deck equipment at oxygenation trains 1 to 6 including, but not limited to dissolved oxygen analyzers, valves, Gas Lower Explosive Limit (LEL) analyzers, manhole covers, sample pumps, pressure transmitters, sample ports, and purge blowers.

d) Drain, remove and dispose of all material inside Oxygenation Trains 1-6.

e) Repair and Rehabilitate Oxygenation Trains 1-6. Including rehabilitation of the effluent chambers of oxygenation trains 1 and 2, 3 and 4, and 5 and 6, removal and rework of any temporary fixes.

f) Design, furnish and replace all Oxygenation Trains 1-6 isolation gates.

g) Design, furnish and replace above ground sections of 18-inch return activated sludge (RAS) pipelines to oxygenation trains 1 to 6 including isolation valves.

h) Design, construct and furnish new sampling enclosure rooms at oxygenation trains 1, 3, and 5.

i) Design, construct and furnish a new elevated electrical/control building located on the roadway north of oxygenation train 3 to house local control systems for oxygenation trains 3 and 4. The Design-Builder is required to coordinate electrical duct bank routing and connections design with WASD operation and maintenance staff, other CD Projects, Capital Improvement Plan (CIP) Projects, and Ocean Outfall Legislation (OOL) Projects in the vicinity and adhere to CD design standards, including the generation of duct bank plan and profile drawings.

j) Design, construct and furnish a new elevated electrical/control building located north of oxygenation trains 5 to house local control systems for oxygenation trains 3 and 4. The Design-Builder is required to coordinate electrical duct bank routing and connections design with WASD operation and maintenance staff and adhere to CD design standards, including the generation of duct bank plan and profile drawings.

k) Incorporate new facilities into the NDWWTP SCADA system

2. High Purity Oxygen (HPO) Cryogenic Production Facilities - Rehabilitation of HPO facilities Structural, Mechanical, HVAC, Instrumentation and Electrical Systems. Specifically, it consists of the following:

a) Demolish and dispose of existing HPO facilities which include two (2) 50 ton per day plants and one (1) 100 ton per day plant,

b) Demolish and dispose of existing oxygen storage tanks,

c) Demolish and dispose of existing HPO facility cooling towers,

d) Demolish and dispose of existing oxygen conveyance piping to oxygenation trains,

e) Design and construct two (2) new 100 ton per day HPO cryogenic facilities within the available space shown in the Contract Documents.

f) Design, furnish and install two (2) new liquid oxygen storage tanks with combined storage, capacity of (300,000 Gallons).

g) Design, furnish, and install two (2) new cooling towers for HPO facilities with a combined capacity of 200 tons per day.

h) Design, construct and furnish a new elevated electrical building/control building new HPO facilities. The new electrical building shall house four (4) new 3750kVA transformers, two (2) new 5KV Switchgears double-ended with main-tie-tie-main configuration, motor control centers for cryogenic plants, and for oxygenation trains 1 to 6. The Design-Builder is required to coordinate electrical duct bank routing and connections design with WASD operation and maintenance staff and adhere to CD design standards, including the generation of duct bank plan and profile drawings.

i) Design, furnish and install a control system for the dissolved oxygen concentration in the oxygenation trains, which include dissolved oxygen sensors, gaseous oxygen (GOX) flow control valves, Cryogenic oxygen generating unit 3 GOX pressure booster blower, and control system automation. This includes all associated equipment.

j) Design, construct and install two (2) local control rooms inside the existing HPO buildings for the new HPO facilities.

k) Design, furnish and install new yard process piping including oxygen piping from HPO facilities to oxygenation trains 1 to 6 (above and underground sections),

l) Design, furnish and install all instrumentation equipment, including programming, reliability demonstration, and performance testing. Design-Builder shall coordinate with the Department to provide I/O list and detailed process description for fabrication of Remote Terminal Units (RTUs) to be performed, furnished and installed by the County.

m) Incorporation of new facilities into the NDWWTP SCADA system.

3. Process Pipeline Cleaning, Disposal and Rehabilitation - Drain, remove and dispose of all material, and rehabilitate and repair in pipe sections identified below. Work includes, but is not limited to performing a video survey of before and after conditions, patch repair of pipeline lining, joints, and fittings, of the following:

    a. Reinforced concrete pipe (RCP) from AGS building to primary clarifier 6
    b. RCP from primary clarifier 5 to junction box
    c. RCP from primary clarifier 6 to junction box
    d. RCP influent from primary clarifiers 1 to 4 junction box to oxygenation train 1
    e. RCP from primary clarifiers 1 to 4 junction box to oxygenation train 2
    f. RCP from primary clarifiers 1 to 4 junction box to oxygenation train 3
    g. RCP from primary clarifiers 1 to 4 junction box to oxygenation train 4
    h. RCP from primary clarifiers 5 and 6 junction box to oxygenation train 5
    i. RCP from primary clarifiers 5 and 6 junction box to oxygenation train 6
    j. RCP from oxygenation trains 1 and 2 to junction box to secondary clarifiers 9 to 12
    k. RCP from oxygenation trains 1 and 2 to junction box to secondary clarifiers 1 to 8
    l. RCP from oxygenation trains 3 and 4 to junction box to secondary clarifiers 1 to 8
    m. RCP from oxygenation trains 5 and 6 to junction box to secondary clarifiers 1 to 8
    n. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 1
    o. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 2

p. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 3
q. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 4
r. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 5
s. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 6
t. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 7
u. RCP from junction box to secondary clarifiers 1-8 to secondary clarifier 8
v. RCP from secondary clarifier 9 to effluent junction box
w. RCP from secondary clarifier 10 to effluent junction box
x. Additional pipeline sections as may be added by Department

4. Primary Clarifier 5 and 6 Junction Chamber Cleaning, Disposal and Rehabilitation
    a. Drain, remove and dispose of all material inside Junction Chamber.
    b. Structural repair and rehabilitation of Junction Chamber.
    c. Install Department-furnished isolation gates.
5. Secondary Clarifier Junction Chamber Cleaning, Disposal and Rehabilitation
    a. Drain, remove and dispose of all material inside Junction Chamber.
    b. Structural repair and rehabilitation of Junction Chamber.
    c. Install Department-furnished isolation gates.

In addition to the major elements of the Work, the following shall also be part of the Work provided by the Design Builder:

1. Site and Civil work, including, but not limited to, grading, pavements, drainage, yard piping, and building utilities for the project areas. This work is to be coordinated with North Plant operations and maintenance staff and other capital improvement program (CIP) projects and site project-specific contractors, as well as address and adhere to relevant approved Master Plan requirements, such as the most recent stormwater management plan.
2. Climate control and ventilation system appropriate for the facility; minimum requirements are defined in the Contract Documents.
3. Fire Protection as per Florida Building Code (FBC) appropriate for the facility; minimum requirements are defined in the Contract Documents.
4. Water supply, including backflow preventers, hose bibs for equipment wash-down, floor drains, and other ancillary equipment. Minimum requirements are defined in the Contract Documents.
5. Provision of O&M manuals in compliance with the Florida Administrative Code (FAC) 62.600.720 Operation and Maintenance Manual and requirements described in the FDEP Form62-620.910_12 Construction Completion.
6. Provision of all on-site training of WASD O&M staff of the new oxygen production facility in accordance with the minimum requirements described in the Contract Documents.

LIQUIDATED DAMAGES:

This Project is mandated by a Consent Decree and has construction schedule milestones that are critical for completion of this construction Contract. These milestones have either "Contract Liquidated Damages", "Consent Decree Liquidated Damages", or both associated with them.

The parties to the Contract agree that time, in the performance and completion of the Work, is of the essence. The COUNTY and the DESIGN-BUILDER recognize and agree that the precise amount of actual damages for delay in the performance and completion of the Work is impossible to determine as of the date of execution of the Contract and that proof of the precise amount will be difficult. Therefore, the DESIGN-BUILDER shall be assessed Liquidated Damages on a daily basis for each Day that individual milestones, as specified below, are not timely achieved or that Contract Time is exceeded due to a non-excusable delay. These Liquidated Damages shall be assessed, not as a penalty, but as compensation to the COUNTY for expenses which are difficult to quantify with any certainty and which were incurred by the COUNTY due to the delay. The amount of Liquidated Damages assessed shall be an amount, as stipulated below, per day for each calendar day that individual milestones as specified in the Contract are not timely achieved or that the Project is delayed due to a non-excusable delay.

In the event the DESIGN-BUILDER fails to perform any other covenant or condition (other than time-related) of this Contract relating to the Work, the DESIGN-BUILDER shall become liable to the COUNTY for any actual damages which the COUNTY may sustain on the part of the DESIGN-BUILDER. The COUNTY reserves the right to retain these amounts from monies due the DESIGN-BUILDER.

Nothing in this article shall be construed as limiting the right of the COUNTY to terminate the Contract and/or to require the Surety to complete said Project and/or to claim damages for the failure of the DESIGN-BUILDER to abide by each and every one of the terms of this Contract as set forth and provided herein.

Milestones	Description	Duration	Liquidated Damages[(1)]
1	Substantial Completion	1,200	$3,600/day
2	Final Completion	1,320	$2,500/day
Note: The above Liquidated Damages are specifically related to Contract Time. Additional Liquidated Damages may be incurred as noted elsewhere in the Contract Documents, including the RDBS and DCP.			

Consent Decree Liquidated Damages:

The Consent Decree provides that the Regulatory Agencies may impose stipulated penalties against Miami-Dade County for failure to meet certain deadlines and for certain Sanitary Sewer Overflows (SSOs). In the event the Regulatory Agencies impose such penalties against Miami-Dade County, and such penalties are a result of the Design-Builder's lack of performance, failure to meet Compliance Dates or a SSO that occurs during construction, the Design-Builder shall be liable to the COUNTY for such amounts as additional Liquidated Damages ("Consent Decree Liquated Damages") ("CDLD"). Please note these CDLD are in addition to the Contract Liquidated Damages as specified previously and may be assessed separately and/or in combination.

a. Failure to complete Milestone 1 before the below Compliance Date shall result in CDLD

as listed below, at the violation amount level assessed on the COUNTY, based on the non-compliance period starting at the dates listed below. The DESIGN-BUILDER shall not be responsible for payment of penalties incurred by the COUNTY prior to the Milestone 1 deadline:

CD Project No.	Compliance Date
3.03 and 3.04*	March 6, 2026
Note: The Compliance Date for CD 3.03 and 3.04 is defined as Milestone 1 Substantial Completion for the Oxygenation Trains and Oxygen Production, including an installed, tested, and operable system in compliance with codes and regulations	

b. Period of Noncompliance and associated Violation per Day:

Period of Noncompliance	CDLD/day
One (1) to fourteen (14) days	$1,000
Fifteen (15) to thirty days (30) days	$2,000
Thirty-one (31) to sixty (60) days	$3,000
Sixty-one (61) to one hundred eighty (180) days	$4,000
More than one hundred eighty (180) days	$5,000

c. CDLD for each SSO reaching waters of the United States due to a release of wastewater caused by Design- Builder may be assessed as:

Description	Before 03/06/2026	After 03/06/2026
1 to 10,000 gallons	$1,000	$1,000
10,000 to 250,000 gallons	$2,000	$4,000
250,000 to 1,000,000 gallons	$5,000	$10,000
Greater than 1,000,0000 gallons	$10,000	$20,000

d. CDLD for each SSO NOT reaching waters of the United States due to a release caused by Design- Builder may be assessed as:

Description	Before 03/06/2026	After 03/06/2026
1 to 10,000 gallons	$500	$500
10,000 to 250,000 gallons	$1,000	$2,000
250,000 to 1,000,000 gallons	$2,500	$5,000
Greater than 1,000,0000 gallons	$5,000	$10,000

Design-Build Services for the Construction of the
North District Wastewater Treatment Plant
Oxygen Trains and Oxygen Production Facility
Project No. DB20-WASD-02

PREFERRED EXPERIENCE AND QUALIFICATIONS

The proposed Design-Builder should demonstrate its Project team experience by presenting the qualifications and capabilities of each Design-Build Team member firm, for projects completed within the last fifteen (15) years from the date of this solicitation, including projects that may be at least fifty percent (50%) complete prior to the required submission date of this Request for Design-Build Services Step 1 solicitation, that demonstrate related minimum preferred project experience as indicated below. The Design-Build Team qualifications includes the experience of each firm (whether a prime, JV partner, or major subconsultant/subcontractor) that will provide a significant portion of the project requirements in any of the categories presented in the scope of work. For this Experience and Qualifications section, the Design-Builder refers to any of these committed firms who will provide work within the Design-Build Team. The Design-Build entity (prime, JV, LLC) will be the responsible party for all work performed by the Design-Build Team. The Competitive Selection Committee (CSC) may negatively evaluate proposals from teams they determine who may not have fully met the preferred experience and qualification(s) as stated below.

1. Design-Builder Experience:

    a) The Design-Builder should demonstrate that it has performed and/or managed as a Prime Contractor or Design-Builder in a lead/prime role, or in a Joint Venture (JV) or other contractual relationship (e.g., limited liability corporation (LLC)) for the construction of at least two (2) large wastewater infrastructure improvement, expansion projects, valued at not less than $50 million each. At least one project shall have been delivered using design-build or other collaborative delivery method. The other project may have been delivered using a design-bid-build or traditional delivery method.

2. The Lead Designer Experience on the Design-Build Team:

    a) The Lead Designer on the Design-Build Team should have designed at least one (1) high purity oxygen (e.g., Cryogenic and Vacuum Pressure Swing Adsorption or VPSA) wastewater treatment process project with a rated capacity of not less than fifty (50) million gallons per day (mgd) of comparable complexity. Provide a description of the project(s), relevance and benefits of approach/delivery, value, timing, reference contact information (name, title/role, address, email, phone number), and proposed key personnel participation (if applicable).

3. Design-Build Team Experience:

    a) The Design-Build Team should demonstrate successful completion of at least one (1) project involving each of the main project elements of the scope of services (identified in Section 1.3 of this RDBS). One or more experience project(s) may be necessary to demonstrate experience in all of the project elements. These projects may also have been presented in one or more of the subsequent experience requests (items b-e below). Include an overview table of projects that identifies which project(s) meet each project element and the requested project experience from items b-e below. Provide a description of the project(s) that address project elements not included in b-e (those will be addressed within those sections), relevance and benefits of approach/delivery, value, timing, and key personnel participation (if applicable).

b) The Design-Build Team should have constructed at least one (1) high purity oxygen (cryogenic or VPSA) wastewater treatment process project with a rated capacity of not less than 50 tons per day (tpd). Provide a description of the project(s), relevance and benefits of approach/delivery, value, timing, reference contact information (name, title/role, address, email, phone number), and proposed key personnel participation (if applicable).

c) The Design-Build Team should have successfully completed a minimum of three (3) projects demonstrating experience with medium voltage power supply systems, including transformers and switchgear. Provide a description of the project(s), relevance and benefits of approach/delivery, value, timing, reference contact information (name, title/role, address, email, phone number), and proposed key personnel participation (if applicable).

d) The Design-Build Team should demonstrate the following project experience and past performance in in their submittal for evaluation by the CSC:

   i. Listed projects are of similar or greater size and level of complexity.

   ii. Experience in a significant role on a design-build project, especially in a similar role as proposed for this Project.

   iii. At least one (1) of the listed projects of the proposed Design-Builder entity was designed and constructed through design-build project delivery.

   iv. Listed projects demonstrate experience in construction within active operational sites without interruption of services.

   v. Projects demonstrate Design-Build Team firms, subcontractors, and subconsultants working together on similar design-build projects.

   vi. References substantiating abilities in meeting cost, schedule, and quality objectives on previous projects and in maintaining a positive client relationship.

4. Industry Experience of Design-Build Team Key and Support Personnel:

   a) The qualifications and industry experience referenced in this section should be met by qualified individuals of the Design-Build Team. The experience should be demonstrated by direct or substantial involvement of the individual(s) in a capacity that is equivalent to or exceeds the stated minimum preferred requirement. Provide biographical highlights of each Key and Support Personnel in a brief paragraph summarizing experience and expertise that supports effective participation in the proposed role and demonstrations their ability to meet the established qualifications. Include years of experience, example project tasks (what did the person do on the project), reference contact for projects (project owner organization, contact name, title/role, address, phone number, email), indicate work performed on Reference Projects.

   b) Illustrate the communication and reporting structure of the Design-Build Team personnel using a graphic organization chart, with names, roles, and company.

   c) All proposed Key Personnel should have a minimum of fifteen (15) years total industry experience of which seven (7) years should be in a similarly responsible position. Key Personnel positions include but are not limited to the following. Design-Build Team members may list other Key Personnel along with a justification for the role being Key to the project and delivery success.

      - Design-Build Project Manager

- Lead Designer – Design Manager
- Lead Contractor – Construction Manager
- Startup and Commissioning Manager

d) All Support Personnel should have a minimum of ten (10) years of total industry experience of which four (4) years should be in a similarly responsible position. Support Personnel positions include but are not limited to the following. Design-Build Team members may list other Support Personnel along with a justification for the role being Supportive to the project and delivery success.

- Lead Treatment Process Engineer
- Lead Mechanical Engineer
- Lead Electrical Engineer
- Construction Superintendent
- Lead Structural Engineer
- Maintenance of Plant Operations (MOPO) Manager
- Permitting/Compliance Manager
- Design-Builder Quality Assurance/Quality Control (QA/QC) Manager
- Design-Builder Safety Manager
- Project Lead Estimator
- Project Lead Scheduler

e) Key Personnel and Support Personnel must demonstrate experience with the type of work to be performed and effectively connected to the scope of work provided in Section 1.3 of this RDBS.

i. Proposers should identify, in their submittal those State of Florida licensed Professional Engineers who will sign and seal construction plans and specifications.

ii. Key / Support Personnel resumes should indicate the individuals' current firm association, their professional qualifications, a minimum of one client reference with contact (email, phone number – please verify veracity of contact information), and their role and duration on each project for which they are being credited the experience.

5. Ability of the Design-Builder and Team to Interface with the County.

a) Design-Builder will provide a narrative of not more than three (3) single-sided 8-1/2"x11" pages, in not less than Arial 11 pt font size and 3/4" margins, that explains how the Design-Builder Team can efficiently interface with the County and the Department in a timely and effective manner with respect to items such as regular and emergency communications, submittals and reviews, site coordination, safety management, meeting attendance, commercial issues, and other Project related activities. Indicate firm responsibilities and authority within the Design-Build Team on a graphic organizational chart.

b) Demonstrate the ability to interface with the County by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level

or above and describe the activities and interface of the Key Personnel with the County.

c) The determination of firm and individual(s) qualifications and compliance with the experience and qualifications shall be at the sole discretion of the County and CSC. The CSC may negatively evaluate proposals from firms they determine to have not fully met the above experience, qualifications, and abilities as requested.