



CITY OF TAMPA, FLORIDA - RFQ
c/o Contract Administration Department
306 E. Jackson Street # 280A4N
Tampa, FL 33602

15-D-00055; David L. Tippin Water Treatment Facility Master Plan

RFQ - PUBLIC ANNOUNCEMENT IN COMPLIANCE WITH REQUIREMENTS OF CHAPTER 287.055, LAWS OF FLORIDA, CONSULTANTS COMPETITIVE NEGOTIATION ACT, AS AMENDED, THE CITY OF TAMPA'S EQUAL BUSINESS OPPORTUNITY PROGRAM, AND APPLICABLE FEDERAL LAW.

15-D-00055 – The City of Tampa Water Department desires to obtain professional engineering services to prepare a Master Plan for the David L. Tippin Water Treatment Facility (DLTWTF). The project will involve undertaking an evaluation of the technical areas enumerated below with the goal of developing a **Master Plan for the DLTWTF** for a planning horizon of **fifteen years (2015 – 2030)**:

1. Provide an assessment of the physical condition of current assets (mechanical, electrical, structural and architectural).
2. Conduct a benchmarking evaluation in order to compare the performance of the plant and its unit processes to other similar plants and industry standards.
3. Identify internal plant vulnerabilities (mechanical, electrical, structural, process) that could compromise the plant's ability to reliably produce potable water, including hydraulic bottleneck(s) and single point(s) of failure.
4. Identify improvements needed to maintain compliance with current and probable future federal, state, and local regulatory requirements.
5. Evaluate and identify operational strategies to optimize processes (treatment, solids processing, aquifer storage and recovery), conserve energy, provide for redundancies, and eliminate bottlenecks and single points of failure, where present.
6. Conduct a life cycle cost analysis of alternative process improvements.
7. Develop a program of improvements to include a prioritized list of projects, their probable construction cost, and schedule of implementation using risk based prioritization.
8. Provide an opinion regarding the method (or methods) of project delivery that will best serve the Water Department for the recommended improvements.
9. Produce a Master Plan document that will describe the rationale and technical basis for the recommended program of improvements. The Master Plan document shall include narrative, tables, drawings, opinions of probable construction cost, implementation schedule, an opinion regarding program delivery method(s), and any other finding and recommendation deemed pertinent by the selected consultant.

Background: The David L. Tippin Water Treatment Facility produces about 80 MGD of potable water for the customers of the Tampa Water Department (588,000 population; 124,000 service locations). The plant is permitted to withdraw 82 MGD annual average daily and 120 MGD maximum day. The primary source of water for the plant is the Hillsborough River; a secondary source is the Tampa Bypass Canal Middle Pool (20.0 MGD annual average and 40.0 MGD peak month). A third source of water is Sulphur Springs (5 MGD annual average and 20.0 MGD maximum day). Additionally, the Department utilizes an aquifer storage and recovery system of wells to store treated water in an aquifer during the wet season when river flows are high and recover the water (10.0 MGD maximum day) when river flows are low and supplies and withdrawal allocations are limited.

The treatment plant utilizes four parallel coagulation, flocculation, and sedimentation treatment trains. Two trains employ conventional rapid mix, flocculation, and sedimentation processes (40 MGD design capacity each). The third and fourth trains utilize the Actiflo process (20 MGD design capacity each). Ferric sulfate is used as the coagulant; it is supplemented with a polymer. The primary disinfectant is ozone. The ferric sulfate sludge produced during treatment is treated at a remote sludge processing facility located about a half mile north of the plant. The resulting ferric humate solid is hauled off-site for use as a soil supplement.

The original plant was constructed between 1924 and 1926. Its capacity was 12.5 MGD (average daily flow). A number of facilities installed in 1926 are still in use: eight filters, 0.5 MG finished water clear well, raw water pumps, and railroad side track. In 1944/45, the plant was expanded to include four additional filters and a 2.0 MG clear well, which are also still in use. In the 1950s and early 1960s, a boiler plant, two coagulation/sedimentation basins, two additional clear wells (5 MG and 7.5 MG), and three additional high service pumps were added.

All except the boiler plant are still in use. The period of time between 1970 and 1990 saw the addition of a new intake structure, two new coagulation/sedimentation basins, a blending chamber, a chemical building, two sludge thickeners, the conversion of steam driven to electrically driven raw water and high service pumps, the commencement of the use of ferric sulfate as a substitute for alum for color removal, an additional clear well (5 MG), emergency electrical generation equipment, a laboratory building, and a warehouse building. The Department's Water Quality 2000 initiative introduced the use of ozone as the primary disinfectant (ozone contactors replacing chlorine units), an Actiflo unit to supplement the existing dual conventional coagulation/sedimentation basins, a polymer building, a surge tank, three generators (diesel driven), a switchgear building, and a low lift pump station.

In the years leading up to the present, plant improvements have included the introduction of the aquifer storage and recovery system, a bromate control system, the replacement of the caustic system, improved site lighting, the replacement of the fluoride storage and injection system, and the replacement of one of three diesel powered generators and the replacement of chlorine piping and evaporators. Projects currently underway include the addition of a fourth generator, the improvement of the plant's SCADA system, security enhancements, the evaluation of alternative sludge dewatering technologies, and extensive renovations to the plant's laboratory building.

A link to Studies or additional material may be provided demandstar.com and at: http://www.tampagov.net/dept_contract_administration/programs_and_services/architectural_engineering_construction_and_related_rfqs/index.asp. Unless otherwise posted, no further data, nor site visits, will be available before the deadline established for the submission of Letters-Of-Interest.

Questions may be directed to Jim Greiner, P.E., Contract Administration, City of Tampa, 4th Floor North, 306 E. Jackson Street, Tampa, Florida 33602; (813) 274-8598, or E-Mail Jim.Greiner@tampagov.net.

A pre-submittal conference will be held at 10:00 a.m. Tuesday September 1, 2015 in the D.L. Tippin Conference Center (Maintenance Building), 7125 N. 30th Street, Tampa, FL 33611. The **only Site Visit/Walk-Through** will follow the meeting. Firms must email names and companies represented for all attendees a minimum of 24 hours in advance to WPSecurity@tampagov.net to obtain security clearance. Attendance is not mandatory.

Firms desiring to provide these services to the City must submit **A Single Electronic File in Searchable PDF format, Smaller than 3MB**, that includes a Letter of Interest referring to **RFQ 15-D-00055**, Statement of qualifications and any supplemental material allowing evaluation for further consideration based upon the following criteria/point system: Successful Comparable Project Experience, (45); Project Approach, (30); Workload and availability (5); Past performance/Low amount of City work (5); Standard Form #330 (or #254)(5); Planned WMBE/SLBE Solicitation & Utilization, Form MBD 10 & 20 (10 pts).

The Letter must be addressed to:
Brad L. Baird, P. E., Chairman, Consultants' Competitive Negotiation Committee,
City of Tampa – c/o CAD - 4th Floor North,
306 E. Jackson Street, Tampa, Florida 33602

The PDF must be **E-Mailed to ContractAdministration@tampagov.net BEFORE 2 P.M., Thursday, September 17, 2015.** Submissions received on the day of the deadline may not be acknowledged by return-e-mail before the deadline.



Instructions for completing The Sub-(Contractors/Consultants/ Suppliers) Solicited Form (Form MBD-10)

This form must be submitted with all bids or proposals. All subcontractors (regardless of ownership or size) solicited and subcontractors from whom unsolicited quotations were received must be included on this form. The instructions that follow correspond to the headings on the form required to be completed. Note: Ability or desire to self-perform all work shall not exempt the prime from Good Faith Efforts when Goal has been established.

- **Contract No.** This is the number assigned by the City of Tampa for the bid or proposal.
- **Contract Name.** This is the name of the contract assigned by the City of Tampa for the bid or proposal.
- **Contractor Name.** The name of your business.
- **Address.** The physical address of your business.
- **Federal ID.FIN.** A number assigned to your business for tax reporting purposes.
- **Phone.** Telephone number to contact business.
- **Fax.** Fax number for business.
- **Email.** Provide email address for electronic correspondence.
- **No Firms were contacted/solicited for this contract.** Checking the box indicates that a pre-determined Subcontract Goal was not set by the City resulting in your business not using subcontractors and will self-perform all work. If during the performance of the contract you employ subcontractors, the City must pre-approve subcontractors. Use of the “Sub-(Contractors/Consultants/Suppliers) Payments” form must be submitted with your invoices. Note: Certified SLBE or WMBE firms bidding as Primes are not exempt from outreach and solicitation of subcontractors.
- **No Firms were contacted because.** Provide brief explanation why no firms were contacted/solicited.
- **See attached documents.** Check box, if after you have completed the DMI Form in its entirety, you are providing any additional documentation relating to the form. All DMI data not submitted on the MBD Form-10 must be in the same format and have all requested data from MBD Form-10 included.

The following instructions are for information of any and all subcontractors solicited.

- **“S” = SLBE, “W” = WMBE.** Enter “S” for firms Certified by the City as Small Local Business Enterprises and/or “W” for firms Certified by the City as Women/Minority Business Enterprise.
- **Federal ID.FIN.** A number assigned to a business for tax reporting purposes. This information is critical in proper identification of the subcontractor.
- **Company Name, Address, Phone & Fax.** Provide company information for verification of payments.
- **Type of Ownership.** Indicate the Ethnicity and Gender of the owner of the subcontracting business.
- **Trade, Services, or Materials** Indicate the trade, service, or material provided by the subcontractor. NIGP codes are listed at top section of document.
- **Contact Method L=letter, F=fax, E=Email, P=Phone.** Indicate with letter the method of soliciting for bid.
- **Quote or Resp. (response) Rec’d (received) Y/N.** Indicate “Y” Yes if you received a quotation or if you received a response to your solicitation. Indicate “N” No if you received no response to your solicitation from the subcontractor.

If any additional information is required or you have any questions, you may call the Minority Business Development Office at (813) 274-5522.



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Instructions for completing The Sub-(Contractors/Consultants/ Suppliers) to be Utilized Form (Form MBD-20)

This form must be submitted with all bids or proposals. All subcontractors projected to be utilized must be included on this form.

- **Contract No.** This is the number assigned by the City of Tampa for the bid or proposal.
- **Contract Name.** This is the name of the contract assigned by the City of Tampa for the bid or proposal.
- **Contractor Name.** The name of your business.
- **Address.** The physical address of your business.
- **Federal ID.FIN.** A number assigned to your business for tax reporting purposes.
- **Phone.** Telephone number to contact business.
- **Fax.** Fax number for business.
- **Email.** Provide email address for electronic correspondence.
- **No Subcontracting (of any kind) will be performed on this contract.** Checking box indicates your business will not use subcontractors when no Subcontract Goal has been set by the City, but will self-perform all work. When subcontractors are utilized during the performance of the contract, the “Sub-(Contractors/Consultants/Suppliers) Payments” form must be submitted with your invoices. Note: Certified SLBE or WMBE firms bidding as Primes are not exempt from outreach and solicitation of subcontractors.
- **See attached documents.** Check if you have provided any additional documentation relating to the utilization of subcontractors.
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The following instructions are for information of Any and All subcontractors to be utilized.

- **Federal ID.FIN.** A number assigned to a business for tax reporting purposes. This information is critical in proper identification of the subcontractor.
- **“S” = SLBE, “W” = WMBE.** Enter “S” for firms Certified by the City as Small Local Business Enterprises and/or “W” for firms Certified by the City as Women/Minority Business Enterprise.
- **Company Name, Address, Phone & Fax.** Provide company information for verification of payments.
- **Type of Ownership.** Indicate the Ethnicity and Gender of the owner of the subcontracting business.
- **Trade, Services, or Materials (NIGP code if Known)** Indicate the trade, service, or material provided by the subcontractor. NIGP codes are available at <http://www.tampagov.net/mbd>.
- **Amount of Quote, Letters of Intent** (required for both SLBEs and WMBEs)
- **Percent of Work/Contract.** Indicate the percent of the total contract price the subcontract(s) represent.
- **Total Subcontract/Supplier Utilization.** – Provide total dollar amount of all subcontractors/suppliers projected to be used for the contract. (Dollar amounts may not apply to CCNA proposals.)
- **Total SLBE Utilization.** Provide total dollar amount for all projected SLBE subcontractors/Suppliers used for this contract. (Dollar amounts may not apply to CCNA proposals.)
- **Total WMBE Utilization.** Provide total dollar amount for all projected WMBE subcontractors/Suppliers used for this contract. (Dollar amounts may not apply to CCNA proposals.)
- **Percent SLBE Utilization.** Total amount allocated to SLBEs divided by the total bid amount. (Dollar amounts may not apply to CCNA proposals.)
- **Percent WMBE Utilization.** Total amount allocated to WMBEs divided by the total bid/proposal amount. (Dollar amounts may not apply to CCNA proposals.)

If any additional information is required or you have any questions, you may call the Minority Business Development Office at (813) 274-5522.