

## SBD - CM REVIEW FORM

**To:** Business Opportunity Support Division - A/E  
**From:** SBD CM - Vivian Forhat-Diaz  
**Department:** WASD  
**Date:** 11/07/13

**Contact:** Patty David  
**RESUMITTAL:** N/A

**PROJECT NUMBER:** E13-WASD-05  
**PROJECT TITLE:** Non-exclusive Professional Services Agreement for Design Services for Wastewater Treatment Plants related to Consent Decree Projects.

**SCOPE OF WORK/DESCRIPTION:** Consultant shall perform preliminary design, design development, construction documents, permitting and bid services, and design services during construction for upgrades at all three (3) of the County's wastewater treatment plants (South District, Central District and North District) for projects specified in conjunction with the Consent Decree. Design services to be provided by the Consultant will include, but are not limited, to the following:

- Develop the Basis of Design Reports (BOOR) for the capital program at the WWTP's.
- Use of Building Information Modeling Technology 30, 40 and 50 modeling.
- Perform wastewater treatment process modeling and computational fluid dynamic modeling in support of design efforts.
- Conduct and/or coordinate underground utility and sub-surface investigations in support of the BOOR.
- Perform pilot testing as necessary to confirm specific design parameters.
- Based on the Department's approved BOOR and delivery method (i.e. Design- Bid-Build, Design-Build) the Consultant will prepare the required bid documents.
- Assist WASD in evaluating procurement methods for equipment.
- Attain all applicable permits as necessary depending on the delivery method selected.
- Assist WASD in the bid process, including responding to RFI's, reviewing bids and making recommendations for award.
- Provide design services during construction including but not limited to reviewing and responding to all contractor submittals, review and respond to all contractor claims, review and respond to RFI's and review of final certification documents provided by the contractor(s).

**SPECIAL REQUIREMENTS:** Prime Consultant should have experience with design and commissioning of wastewater treatment plant upgrades of similar scope and complexity within the last ten (10) years from the date of this solicitation. The Prime Consultant shall have at least one (1) successfully designed, constructed and which is currently under operations for a major new or upgraded wastewater treatment plant(s) of similar size and scope as in this solicitation in which the Prime Consultant has served as the designer within the past ten (10) years from the date of solicitation.

The Sub-consultants shall have at least one (1) program or project that is relevant to this scope of work within the past ten (10) years from the date of this solicitation specific to their proposed responsibilities with the exception of technical categories 9.01-Drilling, Subsurface Investigations and Seismographic Services, 9.02-Geotechnical and Materials Engineering Services and 9.04-Non-Destructive Testing and Inspections.

CATEGORIES	PERCENTAGE	COMMENTS
<b>PRIME</b>		
06.01 Water and Sanitary Sewer Systems - Water Distribution and Sanitary Sewage Collection and Transmission System.	20%	Prime must meet special requirements. * Possible Small Business Participation.
06.02 Water and Sanitary Sewer Systems - Major Water and Sanitary Sewage Pumping Facilities.	25%	

Small Business Development Signature: Vivian Forhat Diaz Date: 11/7/13

\* Categories identified for Small Business participation by SBD CM  
**WASD Department is recommending 25 % for CBE participation.**

E13-WASD-05 (Continuation)

CATEGORIES	PERCENTAGE	COMMENTS
<b>Sub-consultants</b>		
09.01 Soils, Foundations and Material Testing - Drilling, Subsurface Investigations and Seismographic Services.	1	
09.02 Soils, Foundations and Material Testing – Geotechnical and Materials Engineering Services	1	*Possible Small Business Participation
09.04 Soils, Foundations and Material Testing – Non-Destructive Testing and Monitoring	1	
10.05 Environmental Engineering – Contamination Assessment and Monitoring	1	
11.00 General Structural Engineering	15	Should meet special requirements. *Possible Small Business Participation
12.00 General Mechanical Engineering	15	
13.00 General Electrical Engineering	15	
15.01 Surveying and Mapping – Land Surveying	1	
16.00 General Civil Engineering	5	
	<b>100%</b>	
Total Cost	<b>TBD</b>	

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