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2714 MEDIA CENTER DRIVE
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June 6, 2017

To: 25 Pre-Qualified On-Call Contract Consultants of LA Sanitation

LA SANITATION ON-CALL CONSULTANT SERVICES CONTRACT ISSUANCE OF TOS SN-80 – SEWER FORCE MAIN INSPECTION PILOT STUDY

LA Sanitation (LASAN) is soliciting responses from 25 Prime Consultants on the On-Call List. Attached are details of the Task Order Solicitation (TOS) required services.

There is no pre-proposal meeting for this TOS. All questions regarding this TOS must be submitted in writing via e-mail to Mr. Norman Ronquillo by Thursday, June 8, 2017, before 4:00 P.M.

The deadline for proposal submittal is Tuesday, June 27, 2017, before 2:00 P.M. If your firm is interested in this TOS, please submit proposal via e-mail on the indicated due date to the following LASAN staff:

- Norman Ronquillo, norman.ronquillo@lacity.org
- Thu-Van Ho, thu-van.ho@lacity.org

Thank you for your interest and we look forward to receiving your response to this TOS.

Sincerely,

Ali Poosti, Division Manager
Wastewater Engineering Services Division
LA Sanitation

AP:tvh

\\82MTCFS1\WESD\Div Files\On-Call Contracts\New Oncall 2014-19\ TOS SN-80_Force Main Detection Inspection

zero waste • one water

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

Recyclable and made from recycled waste



- c: Ali Poosti, WESD
- Fernando Gonzalez, WESD
- Abdul Danishwar, WESD
- Scott Hare, WESD
- Thu-Van Ho, WESD
- Barry Berggren, WCSD
- Carmelo Martinez, WCSD
- Norman Ronquillo, WCSD
- Nabih Akar, WCSD

City of Los Angeles
Department of Public Works
LA SANITATION

On-call Consultant Services Contract

Task Order Solicitation (TOS) SN-80
Force Main Leak and Gas Pocket Detection Inspection Pilot Study
June 2017

1. Introduction

The City of Los Angeles owns, maintains, and operates the largest wastewater collection system in the nation, serving an area of about 600 square miles with 6,700 miles of sewers and 44 wastewater pumping plants. Approximately 23 miles of these sewers are force mains that range in size from 4 to 48 inches in diameter. Since force mains are pressurized pipes, traditional methods of inspection that apply to gravity sewer assessments are not applicable. The inspection of force mains is still very crucial for the collection systems operation and maintenance. Failure to detect any force main leaks and gas pockets is critical since it may cause corrosion and lead to the pipe's surface breakdown. Therefore, criteria for identifying/ranking the extent of leaks and gas pockets should be established with the corresponding action to be taken for each rank, thus, mitigating further damage to the force mains as well as minimizing sanitary sewer overflows and odor problems. Also, inspection data collected can be used as a basis for Capital Improvement Projects for the rehabilitation of force mains.

2. Scope of Services

LA Sanitation (LASAN) is soliciting a qualified consultant firm to provide as-needed support and guidance on the assessment of various Force Main pipes using the SmartBall technology platform from Pure Technologies, Inc. The SmartBall tool (small ball that is a little bigger than a baseball) is an internal free-swimming inspection device which utilizes an acoustic leak detection technology. This technology will assist LASAN in finding out which sewer lines are not up to standard and not working properly. This technology can potentially save the City a lot of time and money which can be used effectively on the maintenance of force main lines that contain gas pockets and require attention. Identifying the locations of the different gas pockets and sewage leaks in the force main will be very helpful at fixing the problem at its source. Since the feasibility of this new technology is still in question under real conditions, the consultant shall provide the following services that include but are not limited to:

- 1) Inspect the condition of three (3) force mains by deploying the SmartBall inspection technology. These three (3) force mains for this pilot study are located on Highbury Ave. near CSULA (Highbury pumping plant 604), 8th St. (Dacotah pumping plant 606), and 85th St. (Manchester pumping plant 601).
- 2) Performing expert analyses and review on force main pipes by detecting the location of gas/sewage leaks, as well as air pockets which can be very influential in improving odors, remediating any structural defects of the pipe, and preventing spills. Provide inspection analysis, reporting results, and follow-up recommendations are required.

- 3) Provide a detailed report to LASAN with full analytical data such as the size and the exact location of any gas pockets. All supporting documents will also be included.

3. Term of Engagement

The term of engagement is six (6) months from the issuance date of NTP with an option of a six (6)-month extension. It is estimated that the cost ceiling for this TOS is \$65,000.

4. Solicitation Tentative Schedule

- Issue Task Order SolicitationDate of Cover Letter.
- Receive Solicitation Responses.....As indicated in Cover Letter.
- Conduct Interviews if necessary.....5 weeks after issuance of TOS.
- Select and Negotiate.....7 weeks after issuance of TOS.
- Issue Task Work Order.....9 weeks after issuance of TOS.

5. Solicitation Response Requirements

Solicitation Responses shall not exceed ten (10) pages, exclusive of cover, dividers and resumes. Solicitation Responses shall be submitted to the following LASAN staff via e-mail, no later than 2:00 pm of proposal due date indicated in cover letter:

- Norman Ronquillo, norman.ronquillo@lacity.org
- Thu-Van Ho, thu-van.ho@lacity.org

Solicitation Responses shall include:

- Resume demonstrating that the candidate is capable of meeting the requirements of the Scope of Work. Resume shall include work experience history with dates, and references from past employers, owners, and/or organizations.
- Project deliverables including but not limited to Items 2 and 3 under Scope of Services.
- Provide a proposed individual cost breakdown by tasks.
- Provide a breakdown of estimated time for completion of tasks.
- Project Cost Schedule showing unit cost for inspection:

Price per Linear Foot Total				
Location	Pipe Size (inch)	Length (feet)	Price per Linear Foot (LF)	Total
8 th Street	20/21	114/1,637		
85 th Street	24/30	3,078/62		
Bohlig Road	10/12	416/922		
Total		6,229		

- Proposed Billing Salary Rate Summary for the proposed candidate with all respective direct and indirect costs, markups, expenses, overhead rates, and profit (see Attachment A).
- MBE/WBE/ SBE/EBE/DVBE/OBE subcontractors utilized and the percent utilization (see Attachment A).

Note: Department of Public Works only recognizes:

- MBE/WBE certifications certified by City of LA – Bureau of Contract Administration (LABCA), LA County Metropolitan Transportation Authority (MTA), CalTrans, The Southern California Minority Supplier Development Council (SCMSDC), or Women's Business Enterprise National Council (WBENC)-WEST; and any member of California Unified Certification Program (CUCP); and
 - SBE/EBE/DVBE certifications certified by LABCA or State of California – Department of General Services (CA-DGS)
 - A firm can only be a MBE or WBE (not both)
 - A firm with multiple certifications is acceptable (i.e. a MBE/SBE/EBE/DVBE firm will fulfill 4 of 6 required categories)
 - Provide a copy of valid MBE/WBE/SBE/EBE/DVBE Certifications of MBE/WBE/SBE/EBE/DVBE subcontractors utilized
- Statement pertaining to the candidate's availability.

6. Selection Criteria

The selection team will evaluate the proposals with the following criteria:

- Capability, and experience in providing the Scope of Services as demonstrated by the proposal.
- Knowledge and understanding of the Bureau's strategies and goals in wastewater force main inspection.
- The value offered to the City considering cost in comparison to capabilities and experience of the candidates.
- Expert knowledge and experience associated with inspection of force mains and identifying, analyzing, and documenting the sewer force main condition.
- Proven capability in conducting scientific studies and analysis supporting wastewater pipeline inspection.
- Ability to effectively and rapidly meet on going needs for the related stakeholder activities.

7. Suggested MBE/WBE/SBE/EBE/DVBE/OBE Participation Levels

The City had set anticipated participation levels (APLs) for sub-consultants as follows: 18% MBE, 4% WBE, 25% SBE, 8% EBE, and 3% DVBE. The City encourages the Primes to utilize these subconsultants whenever possible.

Note: Sub-consultants that are not listed on Schedule A in your contract cannot be added and/or utilized without the performance of the outreach and approval of the LASAN.

8. Task Order Manager

The City's On-Call Contract Manager is: Ali Poosti, Division Manager, Wastewater Engineering Services Division, (323) 342-6228.

The Task Manager for this designated TOS is: Norman Ronquillo, Environmental Engineer, Wastewater Collection Systems Division, (323) 342-6039.

9. Disclaimer

The City may or may not decide to award any or part of this task order based on its sole convenience and shall not be responsible for any solicitation response costs.

ATTACHMENT A

COST REIMBURSEMENT - BILLING SALARY RATE BASIS										
Firm Name	Status	Last Name	First Name	Position	Raw Rate (\$/hr)	Approved Overhead Rate	Profit	Billing Rate (\$/hr)	Effective Date	Note
Prime Firm	Prime									
Prime Firm	Prime									
Prime Firm	Prime									
Subcontracting Firm Name 1	MBE/SBE/EBE									
Subcontracting Firm Name 2	WBE/SBE/EBE									
Subcontracting Firm Name 3	MBE/SBE									
Subcontracting Firm Name 4	WBE/SBE									
Subcontracting Firm Name 4	SBE/EBE/DVBE									
Subcontracting Firm Name 5	SBE/EBE									
Subcontracting Firm Name 6	OBE									
SUMMARY										
Firm Name	Status	Fee	%Fee							
Prime										
Subcontracting Firm Name 1	MBE/SBE/EBE									
Subcontracting Firm Name 2	WBE/SBE/EBE									
Subcontracting Firm Name 3	MBE/SBE									
Subcontracting Firm Name 4	WBE/SBE									
Subcontracting Firm Name 4	SBE/EBE/DVBE									
Subcontracting Firm Name 5	SBE/EBE									
Subcontracting Firm Name 6	OBE									
Total Direct Labor Cost of the Prime										
Total Subcontract Expenses										
5% Administrative Fee (markup)										
Other Direct Costs (with no markup)										
Total Task Order Amount										
Total Subconsultant Participation										
Pledged	MBE	WBE	SBE	EBE	DVBE	OBE				
% of Total Task Order	%	%	%	%	%	%				
\$ Amount	\$	\$	\$	\$	\$	\$				