



**Recommendation for  
Water & Wastewater Commission**

<b>Commission Meeting Date:</b>	August 10, 2016
<b>Council Meeting Date:</b>	August 18, 2016
<b>Department:</b>	Capital Contracting Office
<b>SUBJECT</b>	
Authorize negotiation and execution of a professional services agreement with <b>FREESE &amp; NICHOLS, INC.</b> (staff recommendation), or the other qualified responder to Request for Qualifications Solicitation No. CLMP198, to provide engineering services for the Large Diameter Wastewater Interceptors Multi-Sensor Pilot Project in an amount not to exceed \$800,000. (Districts 1, 3, 4, 7, 9, & 10)	
<b>AMOUNT AND SOURCE OF FUNDING</b>	
Funding is available in the Fiscal Year 2015-2016 Capital Budget of the Austin Water.	
<b>Purchasing Language:</b>	Staff recommendation is the most qualified firm out of two firms evaluated through the City's qualifications-based selection process.
<b>Prior Council Action:</b>	N/A
<b>For More Information:</b>	Rolando Fernandez, 512-974-7749; Kevin Koeller, 512-972-2055; Sarah Torchin, 512-974-7141; Denise Avery, 512-972-0104
<b>Boards and Commission Action:</b>	August 10, 2016- To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	This contract will be awarded in compliance with City Code Chapter 2-9B (Minority Owned and Women Owned Business Enterprise Procurement Program). No goals were established for this solicitation.

The City of Austin's wastewater collection system consists of approximately 1.2 million linear feet of 24" or larger wastewater mains, roughly 8.5% of the overall collection system. Due to the age and corrosive sewer environment and the use of concrete pipe material, there is a need to perform condition assessment on these large diameter interceptors and tunnels.

In the past few years, there have been significant advances in multi-sensor technology (Closed Circuit TV, Sonar, and Laser) which have been incorporated into the inspection and assessment of large diameter sanitary sewer lines. This pilot project will evaluate this new multi-sensor technology in anticipation of future assessments of the large diameter lines in the City's collection system.

Seven different large diameter tunnels and wastewater interceptors have been selected for this pilot project. The anticipated services will include civil engineering, project management, investigation, analytical study, field services, coordination, evaluation of historical data, preliminary engineering and other engineering services as necessary for this pilot project. The selected firm will use multi-sensor equipment to obtain condition assessment of the areas identified in this pilot study, incorporate data transfer into the City's current data management system, make recommendations for repairs, as required, and prepare a technical memorandum on each pilot area. In addition, the selected firm will provide technical guidance and assistance with a multi-sensor technology program for Austin Water.

A delay in establishing this pilot project could cause a delay in assessing the condition of the City's wastewater pipelines which could risk that possible issue with the pipelines remaining undetected for a longer period of time.

This request allows for the development of an agreement with the qualified responder that Council selects. If the City is unsuccessful in negotiating a satisfactory agreement with the selected responder, negotiations will cease with that provider. Staff will return to Council so that Council may select another qualified responder and authorize contract negotiations with that provider.

**TOP-RANKED FIRM:** FREESE & NICHOLS, INC. is located in Austin, TX

**SECOND-RANKED FIRM:** GARVER, LLC is located in Austin, TX

### **M/WBE Summary – Rotation List**

Notification of issuance of a Request for Qualifications on April 18, 2016 through the City's Vendor Connection web portal resulted in 71 firms receiving notice. The solicitation was obtained by 76 firms and two (2) submitted qualification statements. None of the firms were certified MBE/WBE firms.

Staff at the Small & Minority Business Resources Department reviewed the scope of work and relevant data on prior Minority-owned Business Enterprise and Woman-owned Business Enterprise participation levels on the existing rotation list to determine the appropriate level of participation goal. The City's Small and Minority Business Resources Department determined that no goals are appropriate for this solicitation. Although no goals have been established for this solicitation, the firms were required to comply with the City's MBE/WBE Procurement Program if areas of subcontracting were identified. The following recommended firms have complied with the City's MBE/WBE

Procurement Program in subcontracting areas identified, and were approved by the Small and Minority Business Resources Department.

**RECOMMENDED FIRM:** Freese and Nichols, Inc., Austin, TX – Total Participation:

**WBE TOTAL – SUBCONSULTANTS**

(FW) DFW Infrastructure, Inc., Fort Worth, TX

(sewers storm sanitary, maintenance & repair sewer & storm drain, cleaning storm sewer, maintenance & repair water system, video scanning of sewers, waterfalls)

**NON M/WBE TOTAL – SUBCONSULTANTS**

Ace Pipe Cleaning, Inc. / Carylon Corp, Fort Worth, TX

(construction sewer & storm drain, storm sewers removal, sewers storm special, maintenance & repair sewer & storm drain, cleaning storm sewer, cleaning storm sewer, maintenance lateral sewer, cleaning services steam & pressure, video scanning of sewers, waterfalls)

White Rock Consultants / Thornhill, Rod, Dallas, TX

(engineering consulting, utility re-engineering services, civil engineering, engineering services, professional, environmental engineering, inspecting, general/engineering, pollution control engineering, utility management services)

CP&Y, Inc., Dallas, TX (engineering consulting, civil engineering, video scanning of sewers, waterfalls)

**SECOND-RANKED FIRM:** Garver, LLC., Austin, TX – Total Participation:

**NON M/WBE TOTAL – PRIME**

Garver, LLC., Austin, TX

**NON M/WBE TOTAL – SUBCONSULTANTS**

Redzone Robotics Inc., Pittsburgh, PA

(video scanning of sewers, waterfalls, sewer inspection equipment)

## Capital Contracting Office Evaluation of Consultant Qualifications

**COMPOSITE  
EVALUATION MATRIX**

**Received: 6/8/16**

**Project: LARGE DIAMETER WASTEWATER INTERCEPTORS MULTI-SENSOR PILOT PROJECT**

**Project Manager: Kevin Koeller**

Firm (or Joint Venture)	Item 1	Item 2	Item 3a	Item 3b	Item 4			Item 5	Item 6	Item 7	Item 8	SUB TOTAL	TOTAL POINTS	RANK
	[Yes or No]	[Yes or No]	[10]	[20]	[20]			[15]	[15]	[10]	[10]			
	MBE/WBE Procurement Program	Turned in all Required Documents	Team's Structure	Team's Project Approach	Project Manager, Project Professional and Project Principal Experience	PM [10]	Ppro [6]	PP [4]	Prime Firm's Comparable Project Experience	Major Scopes of Work Comparable Project Experience	Team's Experience with Austin Issues			
Freese and Nichols, Inc.	Y	Y	9.70	19.10	9.40	5.50	3.70	14.00	14.40	9.20	9.87	94.87	94.87	1
Garver LLC/ Garver	Y	Y	8.70	17.00	9.50	5.30	3.40	10.90	12.00	8.20	9.99	84.99	84.99	2

**Proposed Study Area  
(43,761 LF)**

**Area 7  
(5,156 LF)**

Area	Linear Footage by Diameter										Total LF
	15"	18"	24"	30"	36"	42"	48"	54"	66"	72"	
1				3,111		4,355					7,465
2										6,860	6,860
3							180	7,435			7,615
4									3,342		3,342
5	197	500	5,125								5,822
6							7,501				7,501
7				3,748	336	1,072					5,156
<b>Total LF</b>	<b>197</b>	<b>500</b>	<b>5,125</b>	<b>6,859</b>	<b>336</b>	<b>5,426</b>	<b>7,681</b>	<b>7,435</b>	<b>3,342</b>	<b>6,860</b>	<b>43,761</b>

**Area 6  
(7,501 LF)**

**Area 1  
(7,465 LF)**

**Area 5  
(5,822 LF)**

**Area 4  
(3,342 LF)**

**Area 2  
(6,860 LF)**

**Area 3  
(7,615 LF)**

