



**Recommendation for
Water & Wastewater Commission**

Commission Meeting Date:	January 11, 2017
Council Meeting Date:	January 26, 2017
Department:	Capital Contracting Office
SUBJECT	
<p>Authorize negotiation and execution of a professional services agreement with HARUTUNIAN ENGINEERING, INC., (staff recommendation) or one of the other qualified responders for Request for Qualifications Solicitation No. CLMP208 to provide engineering services for Walnut Creek WWTP Control System Upgrade in amount not to exceed \$750,000. (District 1)</p>	
AMOUNT AND SOURCE OF FUNDING	
<p>Funding is available in the Fiscal Year 2016-2017 Capital Budget of Austin Water.</p>	
Purchasing Language:	Staff recommendation is the most qualified firm out of three firms evaluated through the City's qualification-based selection process.
Prior Council Action:	N/A
For More Information:	Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141; Rebecca Vento, 512-972-0205; Eric Bailey, 512-974-7713; Denise Avery, 512-972-0104
Boards and Commission Action:	January 11, 2017- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract will be awarded in compliance with City Code Chapter 2- (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals or through the achievements of Good Faith Efforts with 16.00% MBE and 84.00% WBE participation.

Walnut Creek Wastewater Treatment Plant (WWTP) is permitted to treat and discharge an average daily flow of 75 million gallons per day (MGD) and a 2-hour peak flow of 165 MGD. The plant currently averages a daily flow of approximately 60 MGD.

The plant effluent is used for non-potable water (NPW) on the plant site and supplies much of the City's growing Water Reclamation Initiative (WRI) program. The remainder is discharged into the Colorado River. The Texas Commission on Environmental Quality (TCEQ) regulates the quality of discharge to the Colorado River.

Walnut Creek WWTP uses Supervisory Control and Data Acquisition (SCADA) extensively for process control and monitoring. The system is made up of Programmable Logic Controllers (PLCs) located in proximity to process areas of the plant, and a PLC network.

The majority of the existing SCADA system is made up of SY/MAX PLCs and a dual channel copper SY/NET network. This system was installed around 1990 as part of a plant-wide network renovation. Recent projects have installed fiber optic cabling and Ethernet communications to some portions of the plant, but the plant fiber network has not been addressed as a whole.

The purpose of this project is to provide engineering services for the evaluation and subsequent improvements to the SCADA system at the Walnut Creek Wastewater Treatment Plant (WWTP).

The intent of this project is to replace the existing obsolete control system network and hardware with modern equipment which follows Austin Water (AW) SCADA standards. This will be achieved by replacing existing obsolete PLCs, upgrading computers which run SCADA software, and utilizing fiber optic cabling and Ethernet networking equipment to extend the SCADA Ethernet network to portions of the plant currently served by SY/MAX PLCs and SY/NET.

It should be noted that there are several concurrent projects which will be making changes to the SCADA network and will be replacing existing SY/MAX and Quantum PLCs throughout the plant. Some of these projects will be occurring prior to, during, and after the anticipated construction of the Control System Upgrade Project. Close coordination with those projects will be required throughout design and construction.

This authorization provides for funding of services related to design services. 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.

Walnut Creek Wastewater Treatment Plant is located in zip code 78724 within Council District 1.

RECOMMENDED FIRM: HARUTUNIAN ENGINEERING, INC. is located in Austin, TX

ALTERNATE FIRM: HPI, LLC is located in Houston, TX

M/WBE Summary – Stand Alone

Notification of issuance of a Request for Qualifications on September 6, 2016 through the City’s Vendor Connection web portal resulted in 1,643 firms receiving notice. The solicitation was obtained by 105 firms and three submitted qualifications statements. One of the firms submitting was a certified MBE/WBE firm.

Participation subgoals stated in the solicitation were 1.90% African American; 9.00% Hispanic; 4.90% Native America/Asian; 15.80% WBE. The recommended firm provided a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department. The alternate firm provided a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department.

RECOMMENDED FIRM: HARUTUNIAN ENGINEERING, INC., Austin, TX – Total Participation: 84.00%

<u>M/WBE TOTAL – PRIME</u>	84.00%
(FW) Harutunian Engineering, Inc., Austin, TX	84.00%

<u>MBE TOTAL – SUBCONSULTANTS</u>	16.00%
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<u>African American Subtotal</u>	2.00%
(FB) All Points Inspection Services, Inc., Austin, TX (utility locator service)	2.00%

<u>Hispanic Subtotal</u>	9.00%
(FH) CADD Studio, Inc., Round Rock, TX (drafting services; CAD services)	3.20%
(MH) Negrete & Kolar Architects, LLP, Austin, TX (professional architect services)	2.60%
(MH) Zamora, LLC, Buda, TX (surveying services; land surveying)	3.20%

<u>Native/Asian Subtotal</u>	5.00%
(MA) CAS Consulting & Services, Inc., Austin, TX (civil engineering, permitting services)	5.00%

ALTERNATE FIRM: HPI, LLC, Houston, TX – Total Participation: 68.20%

<u>NON M/WBE TOTAL – PRIME</u>	68.20%
HPI, LLC, Inc. Houston, TX	68.20%

<u>MBE TOTAL – SUBCONSULTANTS</u>	16.00%
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<u>African American Subtotal</u>	2.00%
(FB) FFG Strategic Consulting, LLC, Houston, TX (electrical engineering)	2.00%

<u>Hispanic Subtotal</u>	9.00%
(MH) Signature Automation, LLC, Addison, TX (control systems engineering)	9.00%

Native/Asian Subtotal	5.00%
(MA) Team One Integration, LLC, Carrollton, TX (control systems engineering)	5.00%
WBE TOTAL – SUBCONSULTANTS	15.80%
(FW) LKC-ES, Richardson, TX (control systems engineering)	15.80%

Capital Contracting Office Evaluation of Consultant Qualifications

**COMPOSITE
EVALUATION MATRIX**

Received: 10/12/16

Project: CLMP208 - Walnut Creek WWTP Control System Upgrade

Project Manager: Eric Bailey

Firm (or Joint Venture)	Item 1	Item 2	Item 3a	Item 3b	Item 4			Item 5	Item 6	Item 7	Item 8	SUB TOTAL	Item 9	TOTAL POINTS	RANK
	[Yes or No]	[Yes or No]	[10]	[20]	[20]			[15]	[15]	[10]	[10]		[15]		
	MBE/WBE Procurement Program	Turned in all Required Documents	Team's Structure	Team's Project Approach	Project Manager, Project Professional and Project Principal Experience			Prime Firm's Comparable Project Experience	Major Scopes of Work Comparable Project Experience	Team's Experience with Austin Issues	COA Experience with Prime		Optional Interview		
				PM [10]	Ppro [6]	PP [4]									
Harutunian Engineering, Inc. (FW/WBE)	Y	Y	9.20	18.80	10.00	6.00	4.00	14.80	15.00	8.20	10.00	96.00	-	96.00	1
HPI, LLC	Y	Y	4.20	13.00	5.80	3.80	3.00	9.40	8.40	3.70	9.97	61.27	-	61.27	2
Doris USA, Inc.	Y	Y	6.60	7.60	5.80	3.80	2.80	7.60	8.80	7.50	9.97	60.47	-	60.47	3