



**Recommendation for
Water & Wastewater Commission**

Commission Meeting Date:	July 12, 2017
Council Meeting Date:	August 17, 2017
Department:	Public Works
SUBJECT	
<p>Authorize negotiation and execution of a professional services agreement with CAROLLO ENGINEERS, INC., (staff recommendation) or one of the other qualified responders for Request for Qualifications Solicitation No. CLMP215 to provide engineering services for the Northeast Wastewater Treatment Plant Expansion to 1.5 Million Gallons per Day project in an amount not to exceed \$500,000 for preliminary engineering phase services. (District 1)</p>	
AMOUNT AND SOURCE OF FUNDING	
Funding is available in the Fiscal Year 2016-2017 Capital Budget of Austin Water.	
Purchasing Language:	Staff recommendation is the most qualified firm out of 11 firms evaluated through the City's qualification-based selection process.
Prior Council Action:	N/A
For More Information:	Rolando Fernandez, 512-974-7749; Charles Celauro, 512-972-0208
Boards and Commission Action:	July 12, 2017- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract will be awarded in compliance with City Code Chapter 2-9B (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting goals with 15.90% MBE and 15.80% WBE participation.

The Northeast Wastewater Treatment Plant Service Area is east of Walter E. Long Lake and is bordered by the cities of Pflugerville and Manor to the north of the plant. The area also includes the watersheds of Harris Branch, Gilliland Creek, and portions of Wilbarger Creek. To accommodate ongoing development in the region along with increased flow due to population growth in Austin and Manor, and the diversion of the Harris Branch Wastewater Treatment Plant flows, the Northeast Wastewater Treatment Plant treatment capacity needs to be expanded.

The selected firm will provide preliminary engineering phase services for an amount not to exceed \$500,000, to include the following:

- Meeting with Austin Water Facility Engineering, Process Engineering, Treatment Support and Operation and Maintenance staff to receive information concerning existing operations and any previous investigations of possible solutions.
- Conducting preliminary field surveys and determine any site constraints
- Identification of permitting requirements (Federal, State, and Local)
- Evaluating existing hydraulic and organic loadings and compare to current treatment plant capacity
- Reviewing and commenting on plausible future effluent permit requirements from the TCEQ and the US Environmental Protection Agency (EPA)
- Identifying average daily flow expansion requirements to treat and process 1.5 MGD
- Evaluating all existing headwork's screen, grit channel, traveling bridge filters, sludge holding tank, SCADA control system, and rain capture system process equipment for effectiveness and efficiency
- Providing budgetary construction and engineering costs
- Providing a Facility Plan for a 10 MGD plant on approximately 20 acres of land, and
- Engineer shall, upon conclusion of review, investigation, and preliminary evaluation, prepare, present and publish details and summarization of their findings, solution options, budget constraints, cost estimates, recommendations, and a design and construction schedule for the recommended improvements in a report format.

The City intends to return to Council to request additional authorization for final design, bidding phase, construction phase, and warranty phase services, utilizing the selected firm to perform these additional services. The amount of authorization requested for the additional services will be determined after the preliminary engineering phase final recommendations are reviewed and approved by the City.

This authorization provides for funding of the above listed 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.

The Northeast Wastewater Treatment Plant is located within zip code 78653, City of Austin's District 1.

RECOMMENDED FIRM: CAROLLO, INC. is located in Austin, TX

ALTERNATE FIRM: HDR ENGINEERING, INC., is located in Austin, TX

M/WBE Summary

Participation subgoals stated in the solicitation were 1.90% African American; 9.00% Hispanic; 4.90% Native Asian; and 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.

Public notice was given for this solicitation, CLMP215 – Northeast Wastewater Treatment Plant Expansion to 1.5 MGD, through the City’s Vendor Connection web portal which resulted in 2863 firms receiving notification. 171 firms obtained the bid documents and 11 firms submitted qualification statements. Responses were opened on February 1, 2017. None of the responses received were from MBE/WBE certified firms. Of the 11 firms evaluated, 3 were short-listed and interviewed which resulted in the following recommendation:

RECOMMENDED FIRM: Carollo Engineers, Inc., Austin, TX – Total Participation:

<u>NON M/WBE TOTAL – PRIME</u>	43.30%
Carollo Engineers, Inc., Austin, TX	43.30%

<u>MBE TOTAL – SUBCONSULTANTS</u>	15.90%
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<u>African American Subtotal</u>	2.00%
(MB) Elston Johnson and Associates, Austin, TX (permitting services, environmental (regulatory assistance), laboratory and field testing services)	1.00%
(MB) HVJ Associates, Inc., Austin, TX (engineering consulting)	1.00%

<u>Hispanic Subtotal</u>	9.00%
(MH) Garza EMC, Austin, TX (civil engineering)	4.00%
(MH) Negrete & Kolar Architects, Austin, TX (architectural services)	2.50%
(MH) Zamora LLC, Buda, TX (surveying services)	2.50%

<u>Native/Asian Subtotal</u>	4.90%
(MA) CAS Consulting and Services, Inc., Austin, TX (drainage engineering, environmental permitting services)	4.90%

<u>WBE TOTAL – SUBCONSULTANTS</u>	15.80%
(FW) Harutunian Engineering, Inc., Austin, TX (electrical engineering, instrumentation engineering)	15.80%

<u>NON M/WBE TOTAL – SUBCONSULTANTS</u>	25.00%
AECOM, Austin, TX	25.00%

(civil engineering, drainage engineering, mechanical engineering, municipal engineering, waste water treatment engineering, water supply, treatment and distribution engineering)

ALTERNATE FIRM: HDR Engineering, Austin, TX – Total Participation:

NON M/WBE TOTAL – PRIME **68.00%**

HDR Engineering, Austin, Texas 68.00%

MBE TOTAL – SUBCONSULTANTS **16.00%**

African American Subtotal **2.00%**

(MB) Foster CM Group, Inc., Austin, TX 2.00%

(project scheduling, general construction management, scheduling and cost estimating)

Hispanic Subtotal **9.00%**

(MH) Garza EMC LLC, Austin, TX 7.00%

(civil engineering, drainage engineering, environmental engineering, waste water treatment engineering)

(MH) Zamora LLC, Buda, TX (surveying services) 2.00%

Native/Asian Subtotal **5.00%**

(MA) CAS Consulting and Services, Inc., Austin, TX 5.00%

(civil engineering, environmental permitting services, environmental engineering)

WBE TOTAL – SUBCONSULTANTS **16.00%**

(FW) Harutunian Engineering, Inc., Austin, TX 15.00%

(electrical engineering, instrumentation engineering, control systems engineering)

(FW) HOLT Engineering, Inc., Austin, TX 1.00%

(geotechnical soils engineering, laboratory and field testing services)

Capital Contracting Office
Evaluation of Consultant Qualifications

**COMPOSITE
EVALUATION MATRIX**

Received: February 15, 2017

Project: CLMP215, Northeast Wastewater Treatment Plant Expansion to 1.5 MGD

Project Manager: Charles Celauro

Firm (or Joint Venture)	Item 1	Item 2	Item 3a	Item 3b	Item 4			Item 5	Item 6	Item 7	Item 8		Item 9		
	[Yes or No]	[Yes or No]	[10]	[20]	[20]			[15]	[15]	[10]	[10]	[100]	[15]	[115]	
	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	SUB TOTAL	Optional Interview	TOTAL POINTS	RANK
					PMgr [10]	PProf [6]	PPrin [4]								
Carollo Engineers, Inc.	Y	Y	9.60	17.80	9.00	5.60	3.60	13.90	14.20	9.80	10.00	93.50	14.40	107.90	1
HDR Engineering, Inc.	Y	Y	9.80	18.90	9.40	5.40	3.40	13.80	14.20	9.80	10.00	94.70	11.30	106.00	2
Freese and Nichols, Inc.	Y	Y	9.40	18.40	8.40	5.60	3.60	13.60	13.40	9.60	9.90	91.90	12.10	104.00	3
Alan Plummer Associates, Inc.	Y	Y	9.60	16.00	9.80	5.00	3.60	13.30	13.60	9.50	10.00	90.40	-	90.40	4
Atkins North America, Inc.	Y	Y	8.60	19.00	9.20	4.20	3.20	12.60	13.50	9.60	10.00	89.90	-	89.90	5
CDM Smith, Inc.	Y	Y	9.20	15.40	9.60	4.80	3.60	12.50	14.00	9.70	9.83	88.63	-	88.63	6
Stantec Consulting Services, Inc.	Y	Y	9.20	15.20	8.00	5.00	3.20	12.70	13.40	9.60	10.00	86.30	-	86.30	7
CP&Y, Inc.	Y	Y	8.60	15.60	7.00	5.40	3.80	11.80	14.00	9.80	10.00	86.00	-	86.00	8
Dannenbaum Engineering Co. - Austin, LLC	Y	Y	8.20	14.00	7.60	4.60	3.00	9.90	13.20	9.90	9.19	79.59	-	79.59	9
Thonhoff Consulting Engineers, Inc.	Y	Y	7.60	12.00	7.60	4.40	2.80	9.60	11.50	8.20	10.00	73.70	-	73.70	10
Doris USA, Inc.	Y	Y	6.00	8.00	3.60	2.40	2.20	5.10	8.80	6.50	9.19	51.79	-	51.79	11