

Revised
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**CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

AGENDA ITEM NO.: _____
AGENDA DATE: 04/04/02
RCA TYPE: Resolution
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SUBJECT: Authorize negotiation and execution of a professional services agreement with CAROLLO ENGINEERS, P.C., 6210 Highway 290 East, Suite 440, Austin, TX 78723, for engineering services for the Travis Water Treatment Plant, in an amount not to exceed \$3,500,000.

AMOUNT & SOURCE OF FUNDING: \$3,500,000 is available in the 1995-96 Amended Capital Budget of the Water & Wastewater Utility. A fiscal note is attached.

REQUESTING DEPT: Public Works for
Water & Wastewater Utility

DIRECTOR'S SIGNATURE: _____

FOR MORE INFORMATION CONTACT: Andrew Covar, P.E., 972-0174; Donna Orsatti 974-7047

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: 03/06/02 - Water & Wastewater Commission

-----REQUIRED AUTHORIZATION-----

LAW: John Tresnicky (for Martha Terry) **WWW FINANCE:** David Anders
SMBR: Lino Rivera **WWW DIRECTOR:** Chris Lippe

The City currently operates three surface water treatment plants to meet the needs of the City's residents and businesses: Green Water Treatment Plant, Davis Water Treatment Plant and Ullrich Water Treatment Plant. The City needs future incremental water treatment and distribution system capacity expansions to meet projected water demand growth.

The Water and Wastewater Utility projects a requirement for a new water treatment facility by Spring 2009 to meet a projected peak day demand for treated water of 281 million gallons per day (MGD) in the summer of 2009. The purpose (scope) of this project is to provide an additional, long-term municipal water treatment facility for the City of Austin. The necessary infrastructure will include water intake structures, treatment facilities and water transmission mains to deliver the treated water to the City's water distribution system. The source of water for this treatment plant will be Lake Travis. Use of the City of Austin's site near RM 2222 and River Place Boulevard acquired in 1984 for a new water treatment plant will be evaluated as one of the first project tasks to be conducted in the preliminary engineering phase.

This authorization provides for funding of preliminary engineering services including site assessment and environmental studies relative to the use of the existing treatment plant site, and other studies and services associated with the preliminary engineering phase. The total engineering services generally will be provided in three phases: preliminary engineering; engineering design; and construction phase services. Staff will return to Council for approval of additional funding for the selected firm for design and construction phase services at a later date. The consultant will prepare a project delivery plan, site evaluation, process evaluation, operations and systems analysis, permitting plan, cost estimates and other items under these requested services. The design of transmission mains related to the new treatment plant will not be a part of the services provided by the consultant selected for this project. The design and construction phase services for these transmission mains will be obtained through separate solicitation/s. Upon completion of the preliminary engineering phase, the Water and Wastewater Utility will consider the results and recommendations of the consultant and provide direction to the project team so that detailed design and construction can proceed.



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There are too many potential variables at this time to provide a reasonably accurate cost estimate. Depending on the ultimate configuration and size of the plant, total project costs could range from \$200 million to \$280 million. Engineering costs, accordingly, may range from \$35 million to \$50 million. A more accurate estimate of the project costs will be provided at the conclusion of this preliminary engineering phase.

This request allows for the development of a professional service agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed below.

Notification of issuance of a RFQ for the subject services was sent to two hundred thirty-eight firms on December 19, 2001. The RFQ was obtained by ninety-five firms and five firms submitted qualification statements. None of the submitting firms were certified M/WBE firms. The evaluation of the submittals of the five firms and subsequent interviews results in the following recommendation.

<u>NON M/WBE TOTAL - PRIME</u>	<u>\$UNKNOWN</u>	<u>36.83%</u>
Carollo Engineers, P.C., Austin, Tx	\$unknown	36.83%

<u>MBE TOTAL - SUBCONSULTANTS</u>	<u>\$UNKNOWN</u>	<u>12.30%</u>
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<u>MB/FB SUBTOTAL</u>	<u>\$UNKNOWN</u>	<u>2.69%</u>
(FB) Group Solutions RJW, Austin, TX (advertising/public relations)	\$unknown	1.15%
(MB) HVJ Associates, Inc., Austin, TX (geotechnical-soils)	\$unknown	1.54%

<u>MH/FH SUBTOTAL</u>	<u>\$UNKNOWN</u>	<u>7.30%</u>
(MH) Jose I. Guerra, Inc., Austin, Tx (structural engineering)	\$unknown	3.46%
(MH) Cotera, Kolar, Negrete & Reed, Austin, Tx (architectural)	\$unknown	2.31%
(MH) Macias & Associates, Inc., Austin, Tx (surveying)	\$unknown	0.77%
(MH) Canales, Martinez & Nash Surveying, Austin, Tx (blueprints)	\$unknown	0.38%
(FH) Kurkjian Engineering Corporation, Austin, Tx (drainage)	\$unknown	0.38%

<u>MA SUBTOTAL</u>	<u>\$UNKNOWN</u>	<u>2.31%</u>
Frank Lam & Associates, Inc., Austin, Tx (structural engineering)	\$unknown	2.31%

<u>WBE TOTAL - SUBCONSULTANTS</u>	<u>\$UNKNOWN</u>	<u>18.35%</u>
(FR) Harutunian Engineering, Inc., Austin, Tx (electrical eng., cost est.)	\$unknown	15.38%
(FR) A. K. Young Associates, Austin, Tx (landscape architecture)	\$unknown	0.77%
(FR) Hicks & Company Consultants, Austin, Tx (analytical studies/surveys)	\$unknown	0.08%
(FR) Susan Kane Booth Consulting Engineer, Austin, Tx (water supply)	\$unknown	2.12%

<u>NON M/WBE TOTAL - SUBCONSULTANTS</u>	<u>\$UNKNOWN</u>	<u>32.52%</u>
Turner, Collie & Braden, Inc., Austin, Tx (civil eng., computer assisted design)	\$unknown	27.00%
Metcalf & Eddy, Inc., Austin, Tx (mechanical, water supply)	Included w/ TCB%	
Chiang, Patel & Yerby, Inc., Dallas, Tx (structures/components consulting)	\$unknown	2.31
Fugro South, Inc., Austin, Tx (geotechnical-soils testing, boring, drilling)	\$unknown	0.77%
Brierley Associates, Somerville, MA (geotechnical-soils)	\$unknown	1.54%

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NON M/WBE TOTAL – SUBCONSULTANTS	\$UNKNOWN	32.52%
<i>[continued from page two]</i>		
Mike Warton & Associates, Cedar Park, Tx (environmental consulting)	\$unknown	0.08%
Species In Features, Austin, Tx (environmental consulting)	\$unknown	0.08%
Conveying Systems & Equipment Co., Chesterfield, MO (lime feed expertise)	\$unknown	0.08%
Dr. Eva C. Nieminski, Logan, UT (water supply)	\$unknown	0.08%
James C. Snyder, Ph.D., Ann Arbor, MI (security analysis expertise)	\$unknown	0.29%
Mitchell J. Rycus, Ph.D., Ann Arbor, MI (security analysis expertise)	\$unknown	0.29%

ALTERNATE RECOMMENDATION:

NON M/WBE TOTAL – PRIME	\$UNKNOWN	71.20%
CH2M Hill, Inc., Austin, TX	\$unknown	71.20%

MBE TOTAL – SUBCONSULTANTS	\$UNKNOWN	9.80%
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FB SUBTOTAL	\$UNKNOWN	1.30%
Group Solutions RJW, Austin, TX (public relations consulting)	\$unknown	1.30%

MH SUBTOTAL	\$UNKNOWN	6.50%
Jose I. Guerra, Inc., Austin, TX (civil and structural engineering)	\$unknown	2.50%
Macias & Associates, Austin, TX (surveying)	\$unknown	1.00%
Martinez, Wright & Mendez, Austin, TX (civil engineering)	\$unknown	3.00%

MA SUBTOTAL	\$UNKNOWN	2.00%
CAS Consulting & Services, Inc., Austin, TX (geotechnical, testing)	\$unknown	2.00%

WBE TOTAL – SUBCONSULTANTS	\$UNKNOWN	19.00%
(FR) A. K. Young & Associates, Austin, TX (environmental consulting)	\$unknown	1.00%
(FR) Baer Engineering & Consulting, Austin, TX (environmental consulting)	\$unknown	3.00%
(FR) Brigid Shea & Associates, Austin, TX (communications, public relations)	\$unknown	1.30%
(FR) Ginny's Copying & Printing, Austin, TX (copying)	\$unknown	0.40%
(FR) Hicks & Company, Austin, TX (environmental impact and consulting)	\$unknown	3.00%
(FR) Holt Engineering, Austin, TX (laboratory testing)	\$unknown	3.00%
(FH) Kurkjian Engineering Corporation, Austin, TX (civil engineering)	\$unknown	1.00%
(FR) Parshall + Associates Architects, Austin, TX (architectural services)	\$unknown	4.00%
(FR) Tateaustin, Austin, TX (communications – public relations consulting)	\$unknown	1.30%
(FH) Wendy Lopez & Associates, Austin, TX (civil and environmental engrg.)	\$unknown	1.00%

NON M/WBE TOTAL – SUBCONSULTANTS	\$0.00	0.00%
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Participation subgoals stated in the solicitation were 1.1% African American, 5.9% Hispanic, 1.7% Native/Asian American and 18.2% Women-owned Business Enterprise (WBE). The recommended and alternate firms both provided M/WBE Compliance Plans that were approved by the Department of Small and Minority Business Resources.

1.3% of \$3,500,000
is \$45,500.