

AUSTIN CITY COUNCIL

AGENDA



Thursday, July 27, 2006

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Public Works RECOMMENDATION FOR COUNCIL ACTION

ITEM No. 38

Subject: Authorize negotiation and execution of an amendment to the professional services agreement with CAROLLO ENGINEERS, P.C., Austin, TX, for preliminary site assessment work on the alternate Water Treatment Plant 4 site and professional preliminary engineering design services for the Water Treatment Plant 4, in an amount not to exceed \$10,000,000, for a total contract amount not to exceed \$14,496,729.10.

Amount and Source of Funding: Funding in the amount \$10,000,000 is available in the Fiscal Year 2005-2006 Amended Capital Budget of the Austin Water Utility.

Fiscal Note: A fiscal note is attached.

Additional Backup Material

(click to open)

- ☐ [M/WBE SUB GOALS](#)
- ☐ [AWU Fiscal Note](#)

For More Information: Jay Ulary, 974-7113; George Hill, 972-1953; Laura Bohl, 974-7064.

MBE/WBE: 17.06% MBE and 4.37% WBE subcontractor participation to date.

Prior Council Action: May 25, 2006, by Resolution No. 20060525-051

Based on current demand projections, the Austin Water Utility (AWU) has determined that a new water treatment facility must be on line by 2013 to meet future summer peak day demands. The needed infrastructure includes intake structures, treatment facilities and water transmission mains to deliver water to the City's distribution system. Consultants on the large diameter transmission main rotation list will design the transmission mains delivering water to the distribution system.

The Preliminary Site Assessment Report on the City-owned Water Treatment Plant (WTP) site located at the north end of River Place Boulevard concluded that this particular site is suitable for construction of new facilities capable of producing up to 300 million gallons per day (300MGD). At the request of the Environmental Board, a separate Alternate Land Acquisition or Exchange Site Evaluation for the new WTP 4 has concluded that there is a suitable, alternative site outside the Bull Creek Watershed for the proposed plant.

In their June 22, 2006, meeting Council directed staff to proceed immediately with the design of the new WTP 4 at the alternative site located on the Cortaño Tract near the intersection of RM 620 and RR 2222. As indicated to Council in May 2005, an additional, in-depth site assessment would be required for this alternate site. This amendment is for Carollo Engineers to perform the in-depth assessment of the new site, and to begin the preliminary engineering design on the new site.

Staff will return to Council for approval of additional funding to Carollo Engineers in the range of \$40-\$50 million for the completion of the design and construction phase services for the new WTP 4.

Amount	DATE	DESCRIPTION
\$3,500,000.00	03/21/02	Council authorization to negotiate and execute Professional Services Agreement for site assessment and environmental studies relative to the use of the existing WTP 4 plant site
\$1,000,000.00	05/12/05	Alternative Site Evaluation Assistance, and Development of Mitigation Best Management Practices (BMPs) for the existing WTP 4 site.
\$4,500,000.00		Total Contract Authorization

CONTRACT HISTORY

Amount	DATE	DESCRIPTION
\$ 377,949.00	06/07/02	Original Professional Services Agreement for initial authorization for site assessment and environmental studies relative to the use of the existing treatment WTP 4 plant site
\$ 1,227,320.00	09/18/02	SA#1- Preliminary Site Assessment of Existing WTP 4 Site. Improvements
\$ 103,500.00	02/03/03	SA#2 – Additional Surveying
\$ 231,070.00	09/02/03	SA#3 – Additional Technical Support
\$ 182,586.00	04/07/04	SA#4 – Transmission Main Modeling
\$ 1,377,409.10	12/10/04	SA#5 - Preparation of Concept Finalization Report
\$ 996,895.00	11/10/05	SA#6 - Assistance in Alternative Site Evaluation and Development of Mitigation BMPs for the existing WTP 4 site.
\$10,000,000.00	Proposed	SA#7 - Site Assessment Alternative WTP4 Site and Preliminary Engineering for WTP 4
\$14,496,729.10		

Subconsultant participation stated in the original agreement was 2.69% African American, 7.3% Hispanic, 2.31% Native/Asian American and 18.35% WBE. Participation for this amendment:

NON M/WBE TOTAL – PRIME	32.47 %
Carollo Engineers, P.C., Austin, TX	32.47 %
MBE TOTAL – SUBCONTRACTORS	15.66%
African American Subtotal	6.50%
(FB) Group Solutions RJW, Austin, TX (advertising/public relations, communications, public relations consulting)	5.00%
(MB) HVJ Associates, Inc., Austin, TX (geotechnical-soils)	1.50%
Hispanic Subtotal	6.92%
(MH) Jose I. Guerra, Inc., Austin, TX (structural engineering)	2.24%
(MH) Macias & Associates, Inc., Austin, TX (surveying)	1.20%
(MH) Canales, Martinez & Nash Surveying CMN, Austin, TX (Mapping & Blueprinting)	0.60%
(MH) Kolar & Associates, Austin, TX (Architects)	1.60%
(FH) Kurkjian Engineering Corp, Austin, TX (Civil)	1.28%

Native/Asian American Subtotal	2.24%
Frank Lam & Associates, Inc., Austin, TX (structural engineering)	2.24%

WBE TOTAL – SUBCONTRACTORS	10.48%
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(FR) Harutunian Engineering, Inc., Austin, TX (electrical engineer cost estimating)	8.50%
(FR) A. K. Young Associates, Austin, TX (landscape architecture)	0.64%
(FR) Hicks & Company, Austin, TX (analytical studies & surveys)	0.30%
(FR) Susan Kane Booth Consulting Engineer, Austin, TX (water supply)	1.04%

NON M/WBE TOTAL – SUBCONTRACTORS	41.39%
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Turner, Collie & Braden, Inc., Austin, TX (civil engineering, computer assisted design, drainage, environmental, mechanical, water supply)	18.00%
Chang, Patel & Yerby, Inc., Dallas, TX (buildings, structures & components, consulting, civil engineering, communications, designing, electrical, fire protection, structural, water supply)	1.50%
Fugro South, Inc., Austin, TX (geotechnical-soils, testing, laboratory & Field testing, boring, drilling, testing & soundings)	6.20%
Brierley Associates, Somerville, MA (geotechnical-soils)	3.28%
Crux, Austin, TX (Geotechnical)	12.41%

Overall subconsultant participation, including this amendment: 6.47 % MB; 7.04 % MH; 1.70 % NA; 9.47% WBE and 75.32 % Non M/WBE.

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

07/27/06
Resolution
Austin Water Utility

DESCRIPTION:

Authorize negotiation and execution of an amendment to the professional services agreement with CAROLLO ENGINEERS, P.C., Austin, TX, for preliminary site assessment work on the alternate Water Treatment Plant 4 site and professional preliminary engineering design services for the Water Treatment Plant 4, in an amount not to exceed \$10,000,000, for a total contract amount not to exceed \$14,496,729.10.

FINANCIAL INFORMATION:

Parent Project Name:	1984 Water Improvements Prop. 4
Project Authorization:	1995-96 Amended Capital Budget
Funding Source:	1984 Revenue Bonds
Number:	3840 227 1008

Current Appropriation	\$ 147,100,183.00
Unencumbered Balance	89,860,606.57 *
Amount of This Action	<u>(10,000,000.00)</u>
Remaining Balance	<u><u>79,860,606.57</u></u>
 Current Available Balance	 \$ 89,860,606.57
Less Outstanding Commitments	0.00
Estimated Unencumbered Balance	<u><u>\$ 89,860,606.57</u></u> *

Utility Finance: _____


David Anders, Utilities Finance Manager

Date: 7/7/06

REF. # 3840 227 0951