



**Professional Services Agreement
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

AGENDA ITEM NO.: 11
AGENDA DATE: Thu 02/10/2005
PAGE: 1 of 4

SUBJECT: Authorize negotiation and execution of a professional services agreement with TURNER COLLIE & BRADEN, INC., Austin, TX, for providing professional preliminary engineering and design services for the Davis Water Treatment Plant process improvements, equipment replacements and rehabilitations, in an amount not to exceed \$800,000.

AMOUNT & SOURCE OF FUNDING: Funding is included in the Fiscal Year 2004-2005 Capital Budget of the Austin Water Utility.

FISCAL NOTE: A fiscal note is attached.

REQUESTING Public Works
DEPARTMENT: for Austin Water Utility; **DIRECTOR'S AUTHORIZATION:** Sondra Creighton

FOR MORE INFORMATION CONTACT: Patricia Wadsack, 974-7199; James King, 972-1794; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: Recommended by the Water and Wastewater Commission.

PURCHASING: Best qualification statement of nine received.

MBE / WBE: 15.90% MBE, 17.20% WBE subconsultant participation.

The Davis Water Treatment Plant has a design treatment capacity of 120 million gallons per day (MGD). The plant uses a conventional lime softening design, with rapid mix basins, flocculation basins, sedimentation basins, gravity filters, clearwell storage, and raw water and finished-water pumping stations. Powdered activated carbon (PAC) is fed for taste and odor control and settled water pH is adjusted with carbon dioxide. This plant was constructed in 1954 and expanded in 1961 and 1973, with additional improvements in 1986, 1993, 1997, 2000, 2002 and 2003. This project will address required process improvements and replace failing equipment to ensure continued treatment capacity and regulatory compliance.

The selected consultant will provide engineering services relative to the process improvements and equipment replacements / rehabilitations at the Davis Water Treatment Plant. Improvements generally include 1) raw water valves replacement and modifications to the raw water header to improve reliability and flexibility, 2) rapid mix and distribution channel improvements to allow treatment flexibility and improved mixing, 3) sludge pumping modifications and sludge system improvements including improved flow and density / flow monitoring, 4) modifications to the chemical building area including to chemical feed systems, 5) improved re-carbonation efficiency, and 6) various process control modifications and numerous equipment replacement or rehabilitation items.

This authorization provides for funding of services related to preliminary engineering and design services in the amount of \$800,000. Staff anticipates returning to Council for additional funding to the selected firm for construction phase services in an estimated amount of \$400,000.



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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.

Participation subgoals stated in the solicitation were 1.7% African-American, 9.5% Hispanic, 4.7% Native/Asian-American, and 14.2% WBE. The recommended and alternate firms both provided M/WBE Compliance Plans, which were approved by the Department of Small and Minority Business Resources.

Notification of issuance of a Request for Qualifications (RFQ) for the subject services was sent to two hundred thirty (230) firms on October 29, 2004. The RFQ was obtained by twenty-eight (28) firms, and nine (9) firms submitted qualification statements. None of the firms were certified M/WBE firms. The evaluation of the submittals of the nine (9) firms results in the following recommendation:



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RECOMMENDED FIRM: - TURNER COLLIE & BRADEN, INC., AUSTIN, TX –
Total Participation:

<u>NON M/WBE TOTAL – PRIME</u>	61.90%
Turner Collie & Braden, Inc., Austin, TX	61.90%

<u>MBE TOTAL – SUBCONSULTANTS</u>	15.90%
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<u>African American Subtotal</u>	1.70%
(FB) Group Solutions RJW, Austin, TX (advertising/public relations, communications, public relations consulting, community development consulting)	1.70%

<u>Hispanic Subtotal</u>	9.50%
(MH) Macias & Associates, Inc., Austin, TX (drafting, utility location service, surveying)	3.00%
(MH) Jose I. Guerra, Inc., Austin, TX (structural engineering)	6.50%

<u>Asian American Subtotal</u>	4.70%
(MA) Encotech Engineering Consultants, Inc., Austin, TX (air conditioning, heating, ventilation, civil engineering, design, mechanical, cost estimating)	4.70%

<u>WBE TOTAL – SUBCONSULTANTS</u>	17.20%
(FR) Susan Kane Booth Consulting Engineer, Austin, TX (designing, municipal, water supply)	3.00%
(FR) Harutunian Engineering, Inc., Austin, TX (designing, electrical, instrumentation, municipal, water supply)	14.20%

<u>NON M/WBE TOTAL – SUBCONSULTANTS</u>	5.00%
Carollo Engineers, Austin, TX (analytical studies & surveys, engineering consulting, environmental consulting, finance/economics consulting, civil engineering, designing, water supply, cost estimating, hydrological services)	5.00%



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ALTERNATE RECOMMENDATION: - BLACK & VEATCH, INC., AUSTIN, TX - Total Participation:

<u>NON M/WBE TOTAL – PRIME</u>	<u>69.90%</u>
Black & Veatch, Inc., Austin, TX	69.90%

<u>MBE TOTAL – SUBCONSULTANTS</u>	<u>15.90%</u>
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<u>African American Subtotal</u>	<u>1.70%</u>
(MB) Foster CM Group, Inc., Austin, TX (project scheduling)	1.70%

<u>Hispanic Subtotal</u>	<u>9.50%</u>
(MH) Martinez Wright & Mendez, Inc. Austin, TX (civil engineering)	9.50%

<u>Asian American Subtotal</u>	<u>4.70%</u>
(MA) Hejl, Lee & Assoc., Inc., Austin, TX (computer assisted design, civil engineering, designing, cost estimating)	4.70%

<u>WBE TOTAL – SUBCONSULTANTS</u>	<u>14.20%</u>
(FR) Harutunian Engineering, Inc., Austin, TX (instrumentation, electrical engineering)	9.20%
(FR) Susan Kane Booth Consulting Engineer, Austin, TX (water supply, designing)	5.00%

No.020205-D
WATER AND WASTEWATER COMMISSION RESOLUTION
**PROFESSIONAL SERVICES AGREEMENT WITH TURNER COLLIE & BRADEN, INC. FOR
PROVIDING PROFESSIONAL PRELIMINARY ENGINEERING AND DESIGN SERVICES FOR
THE DAVIS WATER TREATMENT PLANT PROCESS IMPROVEMENTS, EQUIPMENT
REPLACEMENTS AND REHABILITATIONS IN AN AMOUNT NOT TO EXCEED \$800,000**

February 2, 2005
REGULAR MEETING
VOTE: 7-0-0-1

Motion made by: Warner
Commissioners Consenting: Coleman, Friese, Raun, Lee, Chan, Pool
Commissioners Dissenting:
Commissioners Abstaining:
Commissioners Absent: Kirfinan

The Water and Wastewater Commission recommends the Council authorize negotiation and execution of a professional services agreement with Turner Collie & Braden, Inc. for providing professional preliminary engineering and design services for the Davis Water Treatment Plant process improvements, equipment replacements and rehabilitations in an amount not to exceed \$800,000.


Michael Warner Chairperson
Water and Wastewater Commission

2/2/5
Date

**Public Works Department
Evaluation of Consultant Qualifications**

Received:

December 2, 2004

Composite

Project:

Davis Water Treatment Plant Process Improvements and Equipment
Replacements / Rehabilitation

EVALUATION MATRIX

Project Manager:

Patricia Wadsack

Firm (or Joint Venture)	Item 1 [Yes or No] MWBDE Goals met or G.F.E.	Item 2 [Yes or No] Prime Firm's EEO Program	Item 3 [24] Experience of Project Manager (10) Principal (6) Engineer (8)	Item 4 [15] Experience and Availability of Proposed Staff	Item 5 [15 w/subs] [30 w/o subs] Prime Firm's Comparable Project Experience	Item 6 [15 w/subs] [0 w/o subs] Subconsultant Firm's Comparable Project Experience	Item 7 [8] Team's Experience with Austin Issues	Item 8 [12] Team's Structure and Project Approach	Item 9 [11] COA Experience with Prime	Item 10 [100] SUB TOTAL	Optional Interview [25]	TOTAL POINTS [125]
Turner Collie & Braden, Inc.	Yes	Yes	20.8	13	13.4	13	6.6	9.6	11	87.4		87.4
Black & Veatch Corporation	Yes	Yes	19.2	11.8	12.6	12	5.8	10	11	82.4		82.4
Camp Dresser & McKee, Inc.	Yes	Yes	18.2	12	12.4	11.6	6.2	9.8	11	81.2		81.2
Freese & Nichols, Inc.	Yes	Yes	18.2	11	12.8	11.6	5.8	10.2	11	80.6		80.6
URS Corp., A Nevada Corp.	Yes	Yes	16.8	13	11.4	11.2	6.6	10	11	80		80
Brown & Caldwell	Yes	Yes	17.6	11	12.2	11.6	6.6	9.2	11	79.2		79.2
Kellogg Brown & Root, Inc.	Yes	Yes	16	10.6	11.2	11.6	5.4	8.8	11	74.6		74.6
Hunter Assoc. Texas, LTD (A TRC Company) JV	Yes	Yes	16.4	10.8	9.6	11.2	5.4	8	11	72.4		72.4
Lockwood, Andrews & Newman, Inc.	Yes	Yes	0	0	0	0	0	0	0	0		0

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

2/10/2005
Resolution
Austin Water Utility

DESCRIPTION:

Authorize negotiation and execution of a professional services agreement with TURNER COLLIE & BRADEN, INC., Austin, TX for providing professional preliminary engineering and design services for the Davis Water Treatment Plant process improvements, equipment replacements and rehabilitations, in an amount not to exceed \$800,000.

FINANCIAL INFORMATION:

Parent Project Name:	Water Unfunded Future
Project Authorization:	2004-05 Approved Capital Budget
Funding Source:	Commercial Paper
Number:	3960 227 1019

Current Appropriation	\$ 298,783,739.00
Unencumbered Balance	97,940,706.41 *
Amount of This Action	<u>(800,000.00)</u>
Remaining Balance	<u>\$ 97,140,706.41</u>
 Current Available Balance	 \$ 100,180,504.41
Less Outstanding Commitments	<u>(2,239,798.00)</u>
Estimated Unencumbered Balance	<u>\$ 97,940,706.41 *</u>

Utility Finance: _____


David Anders, Utilities Finance Manager

Date: 1/25/05

REF. # 3960 227 7143