



Thursday, November 02, 2006

Back Print

## Public Works

## ITEM No. 12

### RECOMMENDATION FOR COUNCIL ACTION

**Subject:** Authorize execution of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC, Austin, TX, for the Davis Water Treatment Plant – Process Improvements and Equipment Replacement/Rehabilitation Phase A, in the amount of \$2,224,000 plus a \$111,200 contingency, for a total contract amount not to exceed \$2,335,200

**Amount and Source of Funding:** Funding in the amount of \$2,335,200 is available in the Fiscal Year 2006-2007 Capital Budget of the Austin Water Utility

**Fiscal Note:** A fiscal note is attached

#### Additional Backup Material

(click to open)

- ☐ MAP
- ☐ M/WBE\_Sub\_Goals revised
- ☐ FISCAL NOTE
- ☐ COMMISSION RECOMMENDATION

**For More Information:** Keri R. Burchard-Juarez, PE, 974-7298, James W. King, PE, 972-1794, Laura Bohl, 974-7064

**Purchasing Language:** Lowest of two bids received

**MBE/WBE:** 23 83% MBE and 0 02% WBE subcontractor participation

**Boards and Commission Action:** Recommended by the Water and Wastewater Commission.

The Davis Water Treatment Plant (WTP) has a rated treatment capacity of 120 million gallons per day. The plant is a conventional lime softening plant, with rapid mix basins, flocculation basins, sedimentation basins, gravity filters, clearwell storage, and raw water and finished water pumping stations. Powdered Activated Carbon is added for taste and odor control, and settled water pH is adjusted with carbon dioxide. The plant was constructed in 1954 and expanded in 1961 and 1973, with additional improvements in 1986, 1993, 1997, 2000, 2002 and 2003.

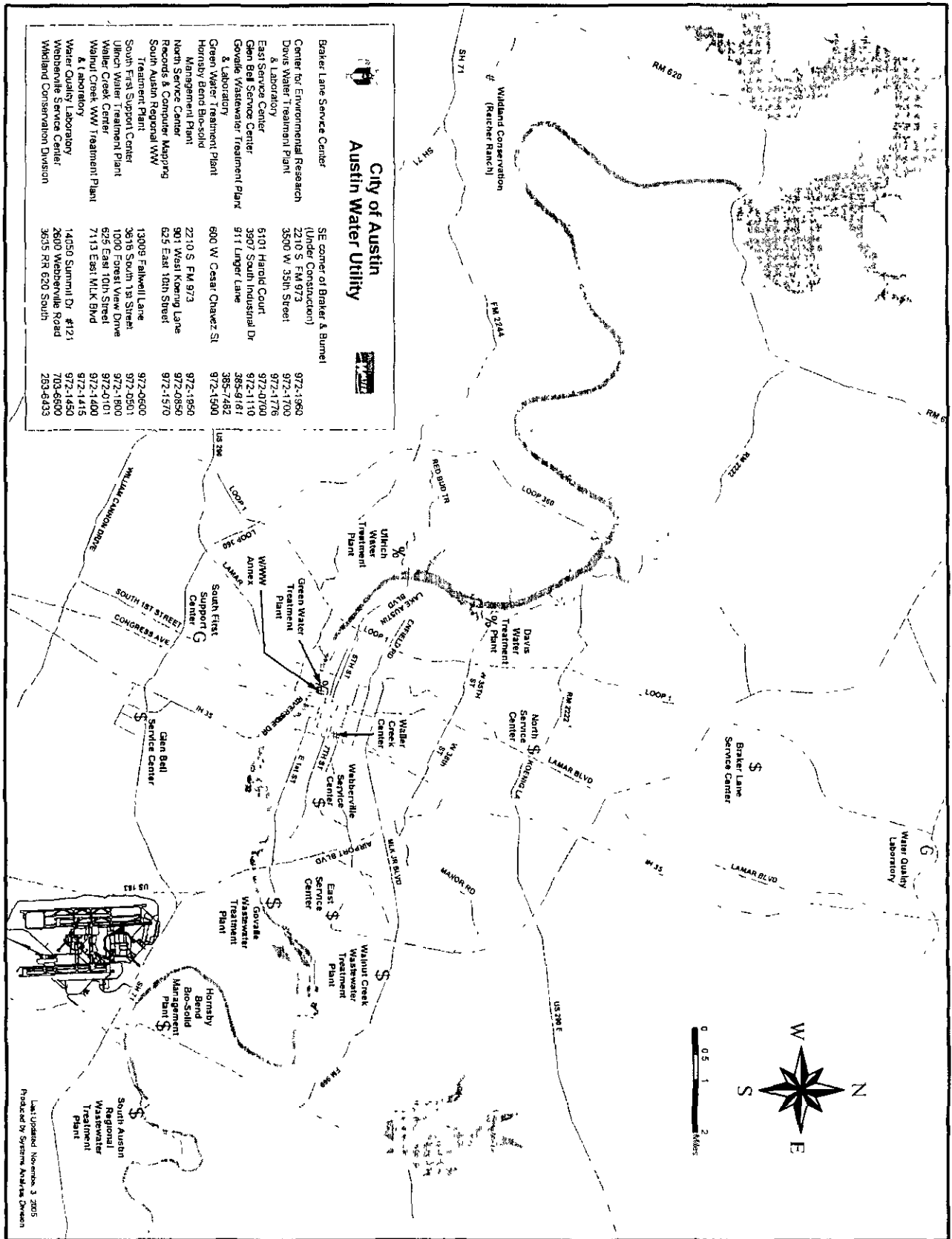
Much of the existing equipment at Davis WTP has exceeded its useful life and the integrity of certain components has been compromised by corrosion and age. Turner, Collie and Braden, Inc. was selected in late 2004 to evaluate current processes and the condition of existing equipment. They recommended improvements and equipment replacement and rehabilitation including:

- piping and structural modifications in the Rapid Mix Basins
- piping and sluice gate modifications in the Distribution Channels
- equipment, piping and structural modifications to the Sludge Equalization system
- HVAC modifications to the Chemical Building ventilation system
- mechanical modifications and replacement of protective coatings on the exterior of the lime silos and structural steel located in the Chemical Building
- equipment modifications to improve drainage in the Flocculation Gallery

Work is anticipated to start November 2006 and continue until June 2007.

Due to the potential for unexpected factors when constructing plant rehabilitation projects, a 5% contingency in funding has been included to allow for the expeditious processing of any change orders. The contract allows 240 calendar days for completion of this project.

City of Austin Austin Water Utility		
Braker Lane Service Center	SE corner of Braker & Burnet	972-1960
Center for Environmental Research	(Under Construction)	
Davis Water Treatment Plant	2210 S. FM 973	972-1700
& Laboratory	3500 W. 35th Street	972-1776
East Service Center	5101 Harold Court	972-0700
Gen Bell Service Center	3907 South Industrial Dr	972-1110
Govale Wastewater Treatment Plant	811 Linger Lane	385-6161
& Laboratory		972-1500
Green Water Treatment Plant	600 W. Cesar Chavez St	972-1556
Hornby Bend Bio-solid		972-0850
Management Plant	2210 S. FM 973	972-1570
North Service Center	901 West Koenig Lane	
Records & Computer Mapping	625 East 10th Street	972-1570
South Austin Regional WW		
Treatment Plant	13009 Fairwell Lane	972-0800
South First Support Center	3618 South 1st Street	972-1800
Water Quality Laboratory	14050 Summit Dr #121	703-8600
Water Creek Center	1000 Forest View Drive	972-1400
Water Creek WW Treatment Plant	925 East 10th Street	972-1415
& Laboratory	7113 East Milk Blvd	972-1415
Water Quality Laboratory		703-8600
Wastewater Service Center	2600 Wedzerville Road	703-8600
Wetland Conservation Division	3535 RR 620 South	253-8433



Last Updated: November 3, 2005  
 Produced by: Systems Analysis Division

Bid documents were distributed to 10 general contractors. Bids were opened September 25, 2006. Excel Construction Services, LLC submitted the lowest bid:

Excel Construction Services, LLC, Austin, TX	\$2,224,000
Matous Construction, Ltd , Temple, TX	\$2,301,600

The contractor's choice of work methodology provides for subcontracting opportunities in seven areas which are listed below. Participation subgoals stated in the solicitation were 7.67% MBE and 4.50% WBE. Total participation estimated on base bid amount of \$2,224,000.

NON M/WBE TOTAL – PRIME	\$859,119	38.63%
Excel Construction Services, LLC, Austin, TX	\$859,119	38.63%
MBE TOTAL – SUBCONTRACTORS	\$530,000	23.83%
T Morales Co., Florence, TX (Electrical)	\$530,000	23.83%
WBE TOTAL – SUBCONTRACTORS	\$381,000	0.02%
ABC Erosion Control (FH), Austin, TX (Erosion Control)	\$381,000	0.02%
NON M/WBE TOTAL – SUBCONTRACTORS	\$834,500	37.52%
Blastco, Houston, TX (Painting)	\$468,890	21.09%
Thermal Mechanical, Manor, TX (HVAC)	\$10,972	0.49%
Ferguson Waterworks, San Antonio, TX (Pipe & Fittings)	\$85,000	3.82%
HRM Environmental, Bedford, TX (Water Treatment)	\$184,638	8.30%
Seguin Fabricators, Seguin, TX (Fabricated Steel)	\$85,000	3.82%

The Contractor submitted an M/WBE Compliance Plan that demonstrated a Good Faith Effort and was approved by the Department of Small and Minority Business Resources. Second low bidder information is provided.

SECOND BIDDER – Matous Construction, Ltd , Temple, TX - \$2,301,600  
 49.80% Non M/WBE prime participation; 23.03% MBE, 0.25% WBE; 26.92% Non M/WBE subcontractor participation

## CIP FISCAL NOTE

**DATE OF COUNCIL CONSIDERATION:**  
**WHERE ON AGENDA:**  
**DEPARTMENT:**

11/02/06  
Resolution  
Austin Water Utility

**DESCRIPTION:**

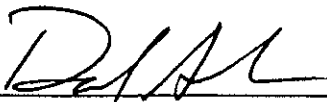
Authorize execution of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC, Austin, TX, for the Davis Water Treatment Plant – Process Improvements and Equipment Replacement/Rehabilitation Phase A, in the amount of \$2,224,000 plus a \$111,200 contingency, for a total contract amount not to exceed \$2,335,200

**FINANCIAL INFORMATION:**

Parent Project Name	Water Unfunded Future
Project Authorization	2006-07 Approved Capital Budget
Funding Source	Commercial Paper
Number	3960 227 1019

Current Appropriation	\$ 352,445,739 00
Unencumbered Balance	122,101,917 99 *
Amount of This Action	<u>(2,235,200 00)</u>
Remaining Balance	<u>\$ 119,866,717 99</u>
Current Available Balance	\$ 125,039,168 70
Less Outstanding Commitments	<u>(2,937,250 71)</u>
Estimated Unencumbered Balance	<u>\$ 122,101,917 99 *</u>

Utility Finance



David Anders, Utilities Finance Manager

Date

10/16/06

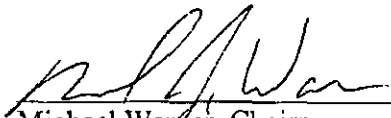
REF. # 3960 227 7143

No. 102506-A  
**RECOMMEND AUTHORIZATION TO EXECUTE A CONSTRUCTION CONTRACT  
 WITH EXCEL CONSTRUCTION SERVICES, LLC, AUSTIN, TX, FOR THE DAVIS  
 WATER TREATMENT PLANT.**

October 25, 2006  
**REGULAR MEETING  
 VOTE**

Motion Made By	Commissioner's Vote				
	Consenting	Dissenting	Abstaining	Absent	
Michael Warner (Chairperson)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chien Lee, P E , (Vice Chair)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ronnie Jones	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leslie Pool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karen Friese, P.E.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Laura Raun	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cheryl Scott-Ryan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The Water and Wastewater Commission recommend authorization to execute a construction contract with EXCEL CONSTRUCTION SERVICES, LLC, Austin, TX, for the Davis Water Treatment Plant – Process Improvements and Equipment Replacement/Rehabilitation Phase A, in the amount of \$2,224,000 plus a \$111,200 contingency, for a total contract amount not to exceed \$2,335,200

  
 Michael Warner, Chairperson  
 Water and Wastewater Commission

10/25/06  
 Date