



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

**AGENDA ITEM NO.: 23  
AGENDA DATE: Thu 01/26/2006  
PAGE: 1 of 3**

**SUBJECT:** Authorize negotiation and execution of an amendment to the professional services agreement with PARSONS WATER & INFRASTRUCTURE, INC., Austin, TX, for engineering services for the final design and bid phase for the Downtown Wastewater Tunnel project, in the amount of \$4,200,000 for a total contract amount not to exceed \$4,753,198.53.

**AMOUNT & SOURCE OF FUNDING:** Funding in the amount of \$4,200,000 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  
**DEPARTMEN** for Austin Water Utility;  
**T:**

**DIRECTOR'S  
AUTHORIZATION:** Sondra Creighton

**FOR MORE INFORMATION CONTACT:** Stan Evans, P.E., 479-1636; Anne Scharlach, P.E., 703-6637, Gopal Guthikonda, P.E., 703-6649; Laura Bohl, 974-7064

**PRIOR COUNCIL ACTION:** Authorization for professional services agreement, Nov. 9, 2000.

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

**PURCHASING:** N/A

**MBE / WBE:** 17.1% MBE and 17.6% WBE subcontractor participation to date.

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A study by Parsons Engineering Science was authorized in 2000 - 2002 to examine the status of the wastewater collection system discharging into the Shoal Creek Lift Station, located on the old Seaholm power plant site. The study determined that the existing collection system leading to the lift station as well as the lift station itself and the downstream North Austin Outfall interceptor were rapidly approaching capacity. The recommended solution was to construct a tunnel between the Shoal Creek Lift Station site and the Govalle Wastewater Tunnel, thereby removing the lift station from the system, and relieving the problems with the interceptor.

Since that initial study, additional information has been obtained, and additional collection system challenges have been identified. The Utility has forecasted that the major wastewater collector on the south shore (South Austin Outfall) will reach capacity in 2010. Parsons Water & Infrastructure Inc. (PWI), a successor to the original contract, was authorized in 2005 to develop an amendment to the 2002 report to identify potential tunnel alignments to relieve the downtown wastewater collection lines and the lift stations on the north and south shores. Their report confirmed that a tunnel solution is feasible and identified a tunnel route, extending 17,200 linear feet from Toomey Road to the Govalle Tunnel at the Kreig ball fields, with a 1,300 linear foot tunnel segment to relieve the Shoal Creek Lift Station. The proposed project will be called the Downtown Wastewater Tunnel. The Utility now wishes to undertake final design with a goal to complete the proposed tunnel by the year 2010.

The proposed Downtown Wastewater Tunnel will improve wastewater collection and operations for all of the downtown area as well as the neighborhoods immediately south of Town Lake by diverting current



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flows to the proposed tunnel, eliminating two lift stations, and making capacity available in the existing wastewater collection lines for future downtown development.

This request is for additional contract authorization to fund the estimated cost of final design services. The final design phase will provide for necessary investigations and design for the tunnel segments, four construction shafts, and the associated appurtenances. The services will include an extensive geotechnical investigation program and survey scope. In about one year, an additional request for authorization will be submitted for the construction phase services, which will include inspection services.

The contract history is listed below along with the proposed authorization for the contract amendment.

ACTION	DESCRIPTION	AMOUNT
11/09/2000	Professional Services Agreement	\$454,410.53
06/25/03	Supplemental Amendment No 1	\$12,788.00
02/21/05	Supplemental Amendment No 2	<u>\$86,000.00</u>
	Total of current contract amount	\$553,198.53
Proposed	Supplemental Amendment No 3 for Final Design Phase Services for the Downtown WW Tunnel	<u>\$4,200,000.00</u>
	<b>TOTAL ADJUSTED CONTRACT AMOUNT</b>	<b>\$4,753,198.53</b>

Subconsultant participation stated in the original agreement was 1.10% African American, 5.90% Hispanic, 1.70% Native/Asian American and 18.20% WBE. Participation for this amendment:

<b>NON M/WBE TOTAL – PRIME</b>	<b>\$1,646,543.00</b>	<b>39.2%</b>
Parsons Water & Infrastructure, Austin, TX	\$1,646,543.00	39.2%
<b>MBE TOTAL – SUBCONSULTANTS</b>	<b>\$769,649.00</b>	<b>18.3%</b>
African American Subtotal (MB)	\$135,790.00	3.2%
HVJ Associates, Houston, TX (geotech services)	\$135,790.00	3.2%
Hispanic Subtotal (MH)	\$262,029.00	6.2%
Arizpe Group, Austin, TX (civil engineering services)	\$262,029.00	6.2%
Native/Asian American Subtotal (MA)	\$371,830.00	8.9%
ENCOTECH, Austin, TX (structural, electrical)	\$322,090.00	7.7%
Frank Lam, Austin, TX (structural)	\$49,740.00	1.2%
<b>WBE TOTAL – SUBCONSULTANTS</b>	<b>\$767,173.00</b>	<b>18.3%</b>
Group Solutions, Austin, TX (public outreach)	\$61,488.00	1.5%
KEC, Austin, TX (civil engineering services)	\$484,204.00	11.5%
McGray & McGray, Austin, TX (survey, field notes)	\$221,481.00	5.3%



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<b>NON M/WBE TOTAL – SUBCONSULTANTS</b>	<b>\$1,016,635.00</b>	<b>24.2%</b>
Espey Consultants, Austin, TX (civil engineering services)	\$277,545.00	6.6%
Fugro, Austin, TX (geotechnical services)	\$638,518.00	15.2%
Brierley, Austin, TX (geotech services)	\$100,572.00	2.4%

Overall subconsultant participation, including this amendment: 3.4% MB, 5.6% MH, 8.0% NA, 17.6% WBE and 21.8% Non M/WBE.

## CIP FISCAL NOTE

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

07/28/05  
Resolution  
Austin Water Utility

**DESCRIPTION:**

Authorize negotiation and execution of an amendment to the professional services agreement with PARSONS WATER & INFRASTRUCTURE, INC., Austin, TX, for engineering services for final design, bid phase and construction phase services for the Downtown Wastewater Tunnel project, in the amount of \$4,200,000 for a total contract amount not to exceed \$4,753,198.53.

**FINANCIAL INFORMATION:**

Parent Project Name:	Wastewater Unfunded Future
Project Authorization:	2004-05 Approved Capital Budget
Funding Source:	Commercial Paper
Number:	4570 237 2017

Current Appropriation	\$ 494,673,293.00
Unencumbered Balance	138,634,062.01 *
Amount of This Action	<u>(4,200,000.00)</u>
Remaining Balance	<u>\$ 134,434,062.01</u>
 Current Available Balance	 \$ 159,061,078.56
Less Outstanding Commitments	<u>(20,427,016.55)</u>
Estimated Unencumbered Balance	<u>\$ 138,634,062.01 *</u>

Utility Finance: \_\_\_\_\_

David Anders, Utilities Finance Manager

Date: 7/7/05

REF. # 4570 237 8711

No. 011106-C

**WATER AND WASTEWATER COMMISSION RESOLUTION**

**AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT WITH PARSONS  
WATER & INFRASTRUCTURE, INC., FOR THE DOWNTOWN WASTEWATER TUNNEL  
PROJECT.**

**January 11, 2006  
REGULAR MEETING**

**VOTE:**

**9-0-0-0**

**Motion made by:** Coleman

**Commissioners Consenting:** Warner, Lee, Friese, Gonzalez, Scott-Ryan, Raum, Pool, Chan

**Commissioners Dissenting:**

**Commissioners Abstaining:**

**Commissioners Absent:**

Authorize negotiation and execution of an amendment to the professional services agreement with PARSONS WATER & INFRASTRUCTURE, INC., Austin, TX, for engineering services for final design, bid phase and construction phase services for the Downtown Wastewater Tunnel project, in the amount of \$4,200,000 for a total contract amount not to exceed \$4,753,198.53.

  
Michael Warner, Chairperson  
Water and Wastewater Commission

1/11/06  
Date