



**Construction Contract
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 20
AGENDA DATE: Thu 06/09/2005
PAGE: 1 of 3**

SUBJECT: Authorize execution of a construction contract with DIBCO UNDERGROUND, INC., Bolton, Ontario, Canada, for the Barton Creek Lift Station Relief Tunnel, Sections 1 and 2, as part of the Austin Clean Water Program in the amount of \$9,199,516.20 plus a \$460,000 contingency, for a total contract amount not to exceed \$9,659,516.20.

AMOUNT & SOURCE OF FUNDING: Funding in the amount of \$9,659,516.20 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: Stan Evans, 479-1636; Anne Scharlach, 703-6637; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: Public Hearings for Land Use Agreements, held on July 29, 2004 and on April 7, 2005.

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

PURCHASING: Lowest of three bids received.

MBE / WBE: 15.18% MBE and 6.72% WBE subcontractor participation.

This construction project will provide a gravity wastewater conveyance for the Barton Creek Wastewater Interceptor under Barton Creek. This improvement is needed to allow the existing deteriorated Barton Springs Lift Station (BCLS), which is located adjacent to Barton Springs Pool, to be taken off-line, cleaned and backfilled. The related force main line from the lift station, located under Barton Creek, will also be abandoned. This project will extend to a point along Toomey Road where a temporary lift station will discharge flows into the existing wastewater interceptor south of the river (South Austin Outfall) for conveyance to the treatment facility. This project will not increase the ability to collect wastewater from the Barton Creek sewage collection basin, as the wastewater line to be installed within the tunnel is sized (33-inch diameter) in accordance with the recommendations from a stakeholder group. Numerous meetings have been held to provide opportunities for input from the public, and the Environmental and Parks Boards. This input was incorporated into the project where appropriate. As a result of the stakeholder input, the original location proposed for the temporary lift station on Dawson Road was changed to an alternate location on Toomey Road. As a result of input from the Environmental Board in regard to the indigenous salamander population at Eliza Springs, extra measures for pipe installation have been incorporated into the design, and repairs to joints in the creek bypass box culvert at Barton Springs Pool will be done under a separate contract in order to protect the groundwater at Eliza Springs. In a related effort, existing wastewater collection system lines in the park will be relined. Finally, as part of the agreement for the Historical permit, an archeological investigation will be undertaken, under a separate proposal, to evaluate the cultural site within Zilker Park as mitigation for intrusion by the tunnel. The proposed improvements consist of two tunnel sections and a temporary lift station. The shallow Section 1 Tunnel will be about 20 feet deep and 91-inch diameter. It will be located in Zilker Park, and



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will extend 1,700 linear feet from a shaft located north of Barton Springs Drive (Zilker Shaft) to the end of an existing 42-inch pipe, which extends an additional 300 linear feet to the existing BCLS. The 33-inch wastewater line will be installed inside the portion of 42-inch pipe and inside the shallow tunnel for a total length of 2,000 linear feet of pipe. The Section 2 Tunnel is 70 feet deep and 96-inch diameter. It will extend 1,600 linear feet from the main shaft on Toomey Road, under Barton Creek, to the Zilker shaft north of Barton Springs Drive, where it will connect to the shallow tunnel line. The total length of 33-inch wastewater line installed and grouted in the two tunnel sections is 3,600 linear feet. The temporary lift station will be installed in a structure within the main shaft at Toomey. The lift station pumps will discharge to the existing South Austin Outfall. There will be minor ancillary facilities at the surface in a fenced area between the ball fields on Toomey to support the lift station operation.

Due to the potential for unknown subsurface conditions and utility conflicts, a 5% contingency in funding has been included to allow for the expeditious processing of any future change orders. The contract allows 390 calendar days for completion of this project. The Contractor is required to cease operations within Zilker Park during the park activities for July 4, Austin City Limits Festival and Trail of Lights (although work can continue at the main work site on Toomey).

Bid documents were distributed to 10 general (tunnel) contractors. Bids were opened on May 3, 2005. Dibco Underground, Inc of Ontario, Canada submitted the lowest of 3 bids received:

Dibco Underground, Inc, Ontario, Canada	\$9,199,516.20
KM&M Joint Venture, Solon, Ohio	\$11,070,439.50
BRH-Garver, Houston, Texas	(Non-Responsive)

The contractor's choice of work methodology provides for subcontracting opportunities in 15 areas, which are listed below. Project specific subgoals stated in the solicitation were 2.41% African American (MB); 12.36% Hispanic (MH); 0.13% Native American (MN); 0.24% Asian Americans (MA); 6.61% WBE. Total participation estimated on base bid amount of \$9,199,516.20:

NON M/WBE TOTAL – PRIME	\$4,693,428.20	51.03%
Dibco Underground, Inc, Bolton, Ontario, Canada	\$4,693,428.20	51.03%
MBE TOTAL – SUBCONTRACTORS	\$1,396,715.00	15.18%
African American Subtotal (MB)	\$222,600.00	2.42%
Kellough Trucking, Austin, TX (hauling)	\$214,000.00	2.33%
All Points Inspection, Austin, TX (inspection) (FB)	\$8,600.00	0.09%
Hispanic Subtotal (MH)	\$1,139,155.00	12.38%
Central Texas Barricades, Austin, TX (traffic control) (FH)	\$5000.00	0.05%
Benetiz Construction, Austin, TX (trench construction)	\$708,025.00	7.70%
Travis Paving & Excavation, Austin, TX (concrete work)	\$91,830.00	1.00%
Roland Edward Construction, Austin, TX (tunnel support)	\$115,000.00	1.25%
T. Morales Co., Austin, TX (electrical work)	\$219,300.00	2.38%

RCA Serial#: 8444 Date: 06/09/05 Original: Yes

Disposition:

Published:

Adjusted version published:



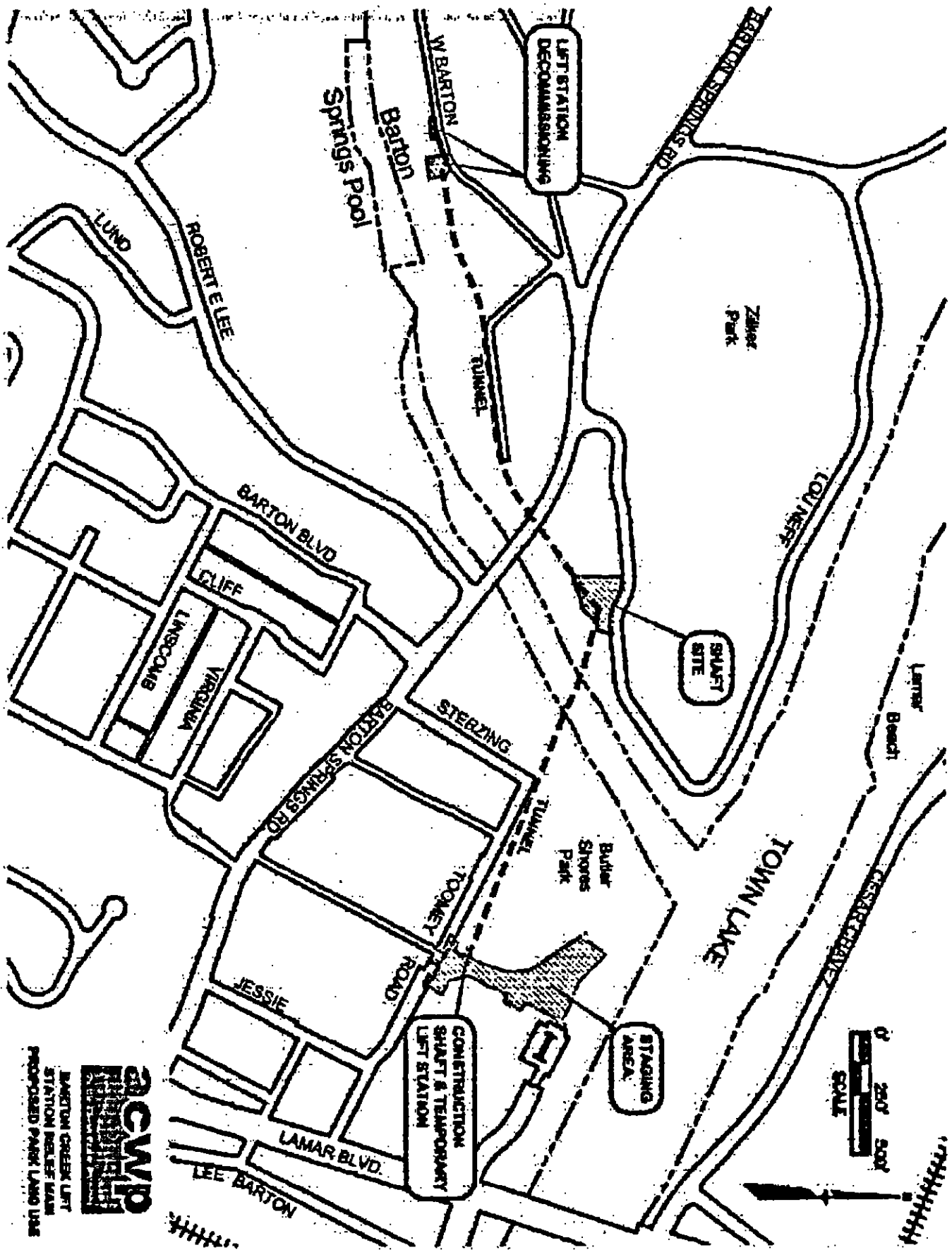
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Native American Subtotal (MN)	\$11,960.00	0.13%
Road Runner Mobile Welding, Austin, TX (welding)	\$11,960.00	0.13%
Asian American Subtotal (MA)	\$23,000.00	0.25%
Benquest LLC, Austin, TX (diesel supply)	\$23,000.00	0.25%
WBE TOTAL – SUBCONTRACTORS	\$618,246.00	6.72%
Moody Brothers, Inc, Austin, TX (hatch supplier)	\$2,163.00	0.02%
Metalink Corp, Austin, TX (fencing)	\$99,112.00	1.08%
Sediment & Erosion Control Inc., Austin, TX (E/S controls)	\$18,826.00	0.20%
McGray & McGray Surveyors, Austin, TX (survey)	\$127,000.00	1.38%
Conroe Wood Products, Conroe, TX (wood lagging)	\$142,460.00	1.55%
Lone Star Ready Mix, Austin, TX (concrete supply)	\$228,685.00	2.49%
NON M/WBE TOTAL – SUBCONTRACTORS	\$2,491,127.00	27.07%
American Commercial, Bristol, VA (tunnel and shaft linings)	\$398,960.00	4.34%
McKinney Drilling Co., Buda, TX (large augered shaft)	\$162,000.00	1.76%
Hughes Supply, Inc., Round Rock, TX (Vortex assembly)	\$50,000.00	0.54%
MGD Technologies Inc., Dallas, TX (flow monitoring)	\$33,120.00	0.36%
PEECO, Cedar Park, TX (submersible pump supplier)	\$202,000.00	2.20%
Whitenant & Lyle, Dripping Springs, TX (concrete work)	\$18,000.00	0.20%
Holt Power Systems, San Antonio, TX (rental equipment)	\$18,000.00	0.20%
Gleeson Reel, Mayville, WI (cable reel supplier)	\$22,800.00	0.25%
Cunningham, Inc., Dallas, TX (Line Seal supplier)	\$5,420.00	0.06%
Proserve Anchor Crane, Irving, TX (crane supplier)	\$21,500.00	0.23%
Hobas Pipe USA, Houston, TX (fiberglass pipe supplier)	\$434,117.00	4.72%
Lonestar Prestress Manuf., Austin, TX (prefab building)	\$12,520.00	0.14%
Environmental Treatment Tech, Pflugerville, TX (odor control)	\$54,340.00	0.59%
Griffin Dewatering, Houston, TX (dewatering pumps)	\$112,000.00	1.22%
JCF Bridge & Concrete, Austin, TX (concrete installation)	\$498,100.00	5.41%
Raba-Kistner-Brytest, Austin, TX (geotechnical support)	\$35,000.00	0.38%
HWZ Contracting, Cincinnati, OH (cellular foam contract)	\$413,250.00	4.49%

The Contractor submitted an M/WBE Compliance Plan that met the goals of the solicitation and was approved by the Department of Small and Minority Business Resources. Second low bidder information is provided.

SECOND BIDDER – KM&M Joint Venture, Solon, Ohio - \$11,070,439.50
66.83% Non M/WBE prime participation; 2.44% MB; 12.44% MH; 0.14% NA; 0.24% AA; 6.63% WBE;
11.28% Non M/WBE subcontractor participation.



acwmp
 ANTON CREEK LIGHT
 STATION BELEEF WASH
 PROPOSED PARK LAND USE

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

06/09/05
Resolution
Austin Water Utility

DESCRIPTION:

Authorize execution of a construction contract with DIBCO UNDERGROUND, INC., Bolton, Ontario, Canada for the Barton Creek Lift Station Relief Tunnel, Sections 1 and 2, as part of the Austin Clean Water Program in the amount of \$9,199,518.20 plus a \$460,000 contingency, for a total contract amount not to exceed \$9,659,518.20.

FINANCIAL INFORMATION:

Parent Project Name:	1998 Wastewater Imps. Prop. 9
Project Authorization:	2002-03 Amended Capital Budget
Funding Source:	1998 Revenue Bonds
Number:	4530 237 2020

Current Appropriation	\$ 66,802,000.00
Unencumbered Balance	27,395,425.24 *
Amount of This Action	<u>(3,939,000.00)</u>
Remaining Balance	<u>\$ 23,456,425.24</u>
 Current Available Balance	 \$ 27,864,849.79
Less Outstanding Commitments	<u>(469,424.55)</u>
Estimated Unencumbered Balance	<u>\$ 27,395,425.24 *</u>

Utility Finance: _____

David Anders, Utilities Finance Manager

Date: 5/17/05

REF. # 4530 237 8403

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

06/09/05
Resolution
Austin Water Utility

DESCRIPTION:

Authorize execution of a construction contract with DIBCO UNDERGROUND, INC., Bolton, Ontario, Canada for the Barton Creek Lift Station Relief Tunnel, Sections 1 and 2, as part of the Austin Clean Water Program in the amount of \$9,199,516.20 plus a \$460,000 contingency, for a total contract amount not to exceed \$9,659,516.20.

FINANCIAL INFORMATION:

Parent Project Name:	Wastewater Improvements- Citywide
Project Authorization:	2004-05 Approved Capital Budget
Funding Source:	Current Revenue
Number:	4480 237 2016

Current Appropriation	\$ 109,530,829.00
Unencumbered Balance	14,667,275.31 *
Amount of This Action	<u>\$ (197,804.00)</u>
Remaining Balance	<u>\$ 14,469,471.31</u>
 Current Available Balance	 \$ 14,746,610.31
Less Outstanding Commitments	<u>(79,335.00)</u>
Estimated Unencumbered Balance	<u>\$ 14,667,275.31 *</u>

Utility Finance:


David Anders, Utilities Finance Manager

Date:

5/17/05

REF. # 4480 237 8688

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

06/09/05
Resolution
Austin Water Utility

DESCRIPTION:

Authorize execution of a construction contract with DIBCO UNDERGROUND, INC., Bolton, Ontario, Canada for the Barton Creek Lift Station Relief Tunnel, Sections 1 and 2, as part of the Austin Clean Water Program in the amount of \$9,199,516.20 plus a \$480,000 contingency, for a total contract amount not to exceed \$9,659,516.20.

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	158,774,915.96 *
Amount of This Action	<u>(5,522,912.20)</u>
Remaining Balance	<u>\$ 153,252,003.76</u>
 Current Available Balance	 \$ 172,834,516.61
Less Outstanding Commitments	<u>(14,159,600.65)</u>
Estimated Unencumbered Balance	<u>\$ 158,774,915.96 *</u>

Utility Finance:



David Anders, Utilities Finance Manager

Date:

5/17/05

REF. # 4570 237 4586

No.060105-A
WATER AND WASTEWATER COMMISSION RESOLUTION
CONSTRUCTION CONTRACT WITH DIBCO UNDERGROUND, INC. FOR THE BARTON CREEK LIFT
STATION RELIEF TUNNEL, IN THE AMOUNT OF \$9,199,516.20 PLUS A \$460,000 CONTINGENCY, FOR A
TOTAL CONTRACT AMOUNT NOT TO EXCEED \$9,659,516.20

June 1, 2005
REGULAR MEETING
VOTE: 7-0-1-1

Motion made by: Coleman
Commissioners Consenting: Raun, Friese, Warner, Chan, Lee, Scott-Ryan
Commissioners Dissenting:
Commissioners Abstaining: Gonzalez
Commissioners Absent: Pool

The Water and Wastewater Commission recommends the Council authorize the negotiation and execution of a construction contract with DIBCO Underground, Inc. for the Barton Creek Lift Station Relief Tunnel, in the amount of \$9,199,516.20 plus a \$460,000 contingency, for a total contract amount not to exceed \$9,659,516.20

Commissioner Gonzalez abstained on this item because he works on the Austin Clean Water Program


Michael Warner Chairperson
Water and Wastewater Commission

6/1/05
Date