SUBJECT: Authorize negotiation and execution of a professional services agreement with LOCKWOOD, ANDREWS & NEWMAN, INC., Austin, TX, to provide engineering services for the Davis Water Treatment Plant Filter Process Improvements and Valve Replacements in an amount not to exceed $600,000.

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 DEPARTMENT: Public Works for Austin Water Utility;

DIRECTOR'S AUTHORIZATION: Sondra Creighton

FOR MORE INFORMATION CONTACT: Patricia Wadsack, 974-7199; James King, 972-1794; Felix Benavides, 974-7027; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: No recommendation by the Water and Wastewater Commission 01-05-05.

PURCHASING: Best qualification statement of six received.

MBE / WBE: 15.90% MBE and 14.20% WBE subcontractor participation.

The Davis Water Treatment Plant has a rated design treatment capacity of 120 million gallons per day. The plant is 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 is fed 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.

The selected consultant shall provide engineering services relative to the plant's filter valves replacements and evaluation of the filtering system to recommend modifications to enhance the treatment process. Improvements include replacement and automation of influent, effluent, waste, backwash, drain and surface wash valves. In addition, services are to include recommended improvements to filter system instruments for the measurement of loss of head, level, flow, turbidity, etc. necessary to achieve automation. At a minimum, automation is to include filter flow control, automated backwashing and sequencing.

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.

Notification of issuance of a Request for Qualifications (RFQ) for the subject services was sent to two hundred seventeen (217) firms on October 13, 2004. The RFQ was obtained by twenty three (23) firms.
and six (6) firms submitted qualification statements. None of the firms were certified M/WBE firms. The evaluation of the submittals of the six (6) firms results in the following recommendation.

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 that met the goals of the solicitation, which were approved by the Department of Small and Minority Business Resources.

**RECOMMENDED FIRM:** - LOCKWOOD, ANDREWS & NEWNAM, INC. - Total Participation:

**NON M/WBE TOTAL – PRIME**  50.90%
Lockwood, Andrews & Newnam, Inc., Austin, TX  50.90%

**MBE TOTAL – SUBCONTRACTORS**  15.90%

- **African American Subtotal**  1.70%
  (FB) CPM Engineering Consultants, Austin, TX  1.70%
  (blue printing services, project scheduling & construction, civil engineering)

- **Hispanic Subtotal**  9.50%
  (MH) Jose I. Guerra, Inc., Austin, TX  9.50%
  (structural, civil engineering)

- **Asian American Subtotal**  4.70%
  (MA) Hejl, Lee & Associates, Inc., Austin, TX  4.70%
  (civil engineering, land surveying)

- **WBE TOTAL – SUBCONTRACTORS**  14.20%
  (FR) Harutunian Engineering Inc., Austin, TX  12.20%
  (instrumentation, electrical)
  (FR) Dynamic Reprographics, Austin, TX  2.00%
  (blue printing services, copying services (reproduction))

- **NON M/WBE TOTAL – SUBCONTRACTORS**  19.00%
Brown and Caldwell, Austin, TX (civil engineering)  19.00%
ALTERNATE RECOMMENDATION: - BROWN AND CALDWELL - Total Participation:

NON M/WBE TOTAL - PRIME
Brown and Caldwell, Austin, TX 43.80%

MBE TOTAL - SUBCONTRACTORS
African American Subtotal 1.70%
CPM, Austin, TX (scheduling & inspection services) 1.70%

Hispanic Subtotal 9.50%
Jose Guerra, Austin, TX (structural, civil engineering) 9.50%

Asian American Subtotal 5.00%
Hejl, Lee & Associates, Austin, TX (surveying & CADD) 5.00%

WBE TOTAL - SUBCONTRACTORS 25.00%
(FR) Harutunian Engineering, Austin, TX 25.00%
(electrical, instrumentation & controls)

NON M/WBE TOTAL - SUBCONTRACTORS
Turner Collie & Braden, Inc., Austin, TX (rehabilitation) 5.00%
Lockwood, Andrews & Newnam, Inc., Austin, TX (mechanical) 10.00%
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Details</th>
<th>Stakeholders</th>
<th>Project Purpose</th>
<th>Project Scope</th>
<th>Project Timeline</th>
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</thead>
<tbody>
<tr>
<td>Project A</td>
<td>Description of Project A</td>
<td>Stakeholders A</td>
<td>Purpose A</td>
<td>Scope A</td>
<td>Timeline A</td>
</tr>
<tr>
<td>Project B</td>
<td>Description of Project B</td>
<td>Stakeholders B</td>
<td>Purpose B</td>
<td>Scope B</td>
<td>Timeline B</td>
</tr>
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</table>

**Evaluation Matrix**

<table>
<thead>
<tr>
<th>Evaluation Criteria</th>
<th>Project A</th>
<th>Project B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criterion 1</td>
<td>Value 1</td>
<td>Value 2</td>
</tr>
<tr>
<td>Criterion 2</td>
<td>Value 3</td>
<td>Value 4</td>
</tr>
</tbody>
</table>

**Notes:**
- All projects are compliant with regulations.
- Additional information available upon request.

**Contact Information:**
- Public Works Department
- Email: info@publicworks.gov
- Phone: 123-456-7890
DATE OF COUNCIL CONSIDERATION: 1/13/2005
WHERE ON AGENDA: Resolution
DEPARTMENT: Austin Water Utility

DESCRIPTION:
Authorize negotiation and execution of a professional services agreement with LOCKWOOD, ANDREWS & NEWNAM, INC., Austin, TX for providing engineering services for the Davis Water Treatment Plant Filter Process Improvements and Valve Replacements in an amount not to exceed $600,000.

FINANCIAL INFORMATION:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Current Appropriation</td>
<td>$298,783,739.00</td>
</tr>
<tr>
<td>Unencumbered Balance</td>
<td>$98,939,234.96</td>
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<tr>
<td>Amount of This Action</td>
<td>$(600,000.00)</td>
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<tr>
<td>Remaining Balance</td>
<td>$98,339,234.96</td>
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<tr>
<td>Current Available Balance</td>
<td>$102,513,832.96</td>
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<tr>
<td>Less Outstanding Commitments</td>
<td>$(3,574,598.00)</td>
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<tr>
<td>Estimated Unencumbered Balance</td>
<td>$98,939,234.96</td>
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</table>

Utility Finance: David Anders, Utilities Finance Manager
Date: 12/16/04

REF. # 3960 227 7140
No.010505-A

PROFESSIONAL SERVICES AGREEMENT WITH LOCKWOOD, ANDREWS & NEWNAM, INC., AUSTIN, TX FOR PROVIDING ENGINEERING SERVICES FOR THE DAVIS WATER TREATMENT PLANT FILTER PROCESS IMPROVEMENTS AND VALVE REPLACEMENTS IN AN AMOUNT NOT TO EXCEED $600,000

WATER AND WASTEWATER COMMISSION RESOLUTION
January 5, 2005
REGULAR MEETING
VOTE: 4-0-1-3

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

The Water and Wastewater Commission recommends the Council authorize negotiation and execution of a professional services agreement with LOCKWOOD, ANDREWS & NEWNAM, INC., Austin, TX for providing engineering services for the Davis Water Treatment Plant Filter Process Improvements and Valve Replacements in an amount not to exceed $600,000.

Commissioner Lee abstained on this item due to potential conflict of interest.

Michael Warner Chairperson
Water and Wastewater Commission

1/5/05
Date