

CITY COUNCIL
COMMUNICATION:

03-392

AGENDA:

AUGUST 11, 2003

SUBJECT:

PROFESSIONAL
SERVICES
AGREEMENT
AMENDMENT NO. 1
WRA SECONDARY
TREATMENT
AERATION SYSTEM
IMPROVEMENTS

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

SUBMITTED BY:

JEB E. BREWER, P.E.
CITY ENGINEER

WILLIAM G. STOWE
PUBLIC WORKS
DIRECTOR

ITEM _____

**OFFICE OF THE CITY MANAGER
CITY OF DES MOINES, IOWA**

SYNOPSIS —

A Professional Services Agreement Amendment No. 1 has been negotiated with the professional engineering firm of Brown and Caldwell, Environmental Engineers & Consultants (Craig A. Goehring, CEO, 55 East Fifth Street, Suite 1500, Saint Paul, Minnesota 55101) to provide design and construction phase services for the Wastewater Reclamation Authority (WRA) Secondary Treatment Aeration System Improvements project.

FISCAL IMPACT —

Agreement is not to exceed \$64,402. Funding for this project is provided for on page WRA14 of the 2002-03 Capital Improvement Program (CIP) Index Code 397265, Wastewater Reclamation Facility (WRF)— Aeration Blowers, Account 521020, Fund EN267, Organization PWK990000, Project WRA072, Activity ID 01-2003-015.

RECOMMENDATION —

Approval.

BACKGROUND —

The 2002/03 CIP for the WRA included the WRF Secondary Aeration System Improvements. During preliminary design of the secondary aeration improvements, the WRF experienced a failure in the secondary aeration system. An expansion joint failed in the 66-inch airline. With the failed expansion joint, the aeration system has only one blower that can be used.

In order to repair the system, it will be necessary to design an alternate piping system that will be utilized during the replacement of the expansion joints in the aeration system. The alternate piping system will be used in the future and will provide the WRF with operational flexibility that it currently does not have.

Brown & Caldwell was originally selected through an RFP process for the Aeration Blower Preliminary Design. Since Brown & Caldwell was working on this design and are familiar with the aeration system they were selected for the expansion joint repairs. Because of the urgency of the project, the consultant will need to complete the design early this fall so the project can be bid this fall and construction can be completed by December 31. The

	construction cost for the Alternate Aeration Piping and Expansion Joint Replacement is expected to be \$450,000.
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