

**CITY COUNCIL
COMMUNICATION:**

03-370

AGENDA:

JULY 28, 2003

SUBJECT:

WRF HAULED WASTE
RECEIVING STATION
DESIGN AND
CONSTRUCTION
PHASE SERVICES
AGREEMENT

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 —

An agreement amendment has been negotiated with the engineering firm of Black & Veatch, Corporation, a Delaware Corporation, Leonard C. Rodman, C.E.O., 8400 Ward Parkway, P.O. Box 8405, Kansas City, MO 64114, to provide Final Design Phase Services, Bid and Construction Phase Services for Tanker Unloading as part of the WRF Hauled Waste Receiving Station project for a lump sum amount not to exceed \$654,000.00.

FISCAL IMPACT —

Funding for this project is provided for on page WRA7 of the 2002-03 CIP, from Repair and Replacement funds, Fund: EN267, Org: PWK990000, Project: WRA 076, Activity ID 01-2002-012

RECOMMENDATION —

Approval of the proposed Engineering Agreement Amendment Number One with Black & Veatch.

BACKGROUND —

On August 6, 2001, by Roll Call No. 01-2373, City Council authorized the Mayor to sign an agreement with Black & Veatch to study the hauled waste facilities at the WRF. The study recommended that new facilities be constructed that would provide a higher level of customer service and operator flexibility.

On December 3, 2001, by Roll Call No. 01-3525, City Council authorized the Mayor to sign an agreement with Black & Veatch to design the Hauled Waste Receiving Station recommended in the study. On August 13, 2002, bids were received for the project. One bid was received which was in excess of the estimate; so on August 19, 2002, by Roll Call No. 02-2102, City Council rejected the bid.

The hauled waste facilities are still needed at the WRF. Staff recommends that the hauled waste facilities be combined with other facilities to make a more attractive construction package and reduce costs. The tanker unloading facilities can be designed and included with the hauled waste facilities. Due to the bidding climate, it is estimated that less expensive bids will be received when these two projects are included together. These

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facilities will eliminate hazardous conditions and reduce manpower requirements.

An agreement has been negotiated with the professional engineering firm of Black & Veatch to design the tanker unloading facilities and combine them with the WRF hauled waste facilities as a single bid package. The facilities being designed under this agreement include:

- A three bay concrete unloading station;
- Expand blended sludge wetwell #3 to 140,000 gallons;
- Add a hydraulic mixing grinder pump to blended sludge wetwell 1;
- A new access road and two new truck scales;
- A protective lining system for blended sludge wetwells and the special waste tanks; and
- Instrumentation and controls for new equipment.

This agreement includes the following services: design and construction contract documents, bid and pre-award services, construction phase services, resident services during construction, and operations and maintenance manual preparation with personnel training and startup services.

Black & Veatch was chosen as the consultant for this supplemental work, because it was the original design consultant on the hauled waste facility and because of the coordination issues with the WRF Dewatering System Improvements. Black & Veatch was chosen for the WRF Dewatering System based on proposals received from Black & Veatch and CH2MHill. Requests for proposals were sent to seven firms and only Black & Veatch and CH2MHill responded.

