

**CITY COUNCIL COMMUNICATION 97-531  
NOVEMBER 3, 1997 AGENDA**

**SUBJECT:**

**PROFESSIONAL SERVICES AGREEMENT  
AMENDMENT NO. 1- WASTEWATER  
RECLAMATION AUTHORITY WASTEWATER  
TREATMENT PLANT PERSONNEL AND  
LABORATORY FACILITIES PROJECT**

**SUBMITTED BY:**

**HAROLD SMITH  
CITY ENGINEER**

**SYNOPSIS –**

Agreement Amendment No. 1 has been negotiated with the engineering organization of RUST/Metcalf & Eddy, a Joint Venture, to provide additional Engineering Construction Services for the Wastewater Reclamation Authority (WRA) Wastewater Treatment Personnel and Laboratory Facilities Project. The proposed agreement amendment for the additional Engineering Construction Services is \$11,600, which will increase the total fee of the original agreement from \$554,182.18 to \$565,782.18.

**FISCAL IMPACT –**

Funding for this project is provided for on page 241 of the 1997-98 Capital Improvements Program. The project is being funded using a State Revolving Fund (SRF) loan, which will be repaid by all the WRA constituent communities according to their respective percentage obligation provided in the ICA Agreement. Des Moines' share of the SRF loan debt retirement is 71.08 percent and is funded from an increment of the Des Moines sewer user fees already designated for this purpose. The total construction cost for this portion of the project is estimated to be \$5.9 million.

**RECOMMENDATION –**

**Approval of the proposed Engineering Agreement Amendment No. 1 with RUST/Metcalf & Eddy, a Joint Venture.**

## **BACKGROUND –**

On July 7, 1997, by Roll Call No. 97-2317, an agreement was executed by the City with the professional engineering organization of RUST/Metcalf & Eddy, a Joint Venture, to provide engineering construction services for the proposed Personnel and Laboratory Improvement Project at the Des Moines WRA Wastewater Treatment Plant.

At the time the agreement was negotiated with the consultant, the scope of work for materials testing had not been defined and it was determined that it would be in the best interest of the City to exclude provisions for such work from the Engineering Construction Services Agreement until the extent of the need for materials testing could be accurately identified. Construction work has progressed to the point where it is now necessary to provide for testing of certain materials used on the project. The consultant will subcontract with a materials testing firm by this agreement amendment to provide foundation observations and casting and strength testing of masonry mortar. Foundation observation activities will include hand auguring of soils below footings to determine soil bearing capacity. Masonry testing activities will include conducting masonry testing utilizing the ASTM C144 Test Method. The testing work will be performed on an as-needed basis determined at the site by the consultant.