

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

**CITY COUNCIL COMMUNICATION 96-428
OCTOBER 7, 1996 AGENDA**

SUBJECT:	TYPE:	SUBMITTED BY:
WASTEWATER TREATMENT PLANT BIO-SOLIDS FACILITIES PROJECT	◆ RESOLUTION ORDINANCE RECEIVE/FILE	HAROLD E. SMITH CITY ENGINEER

SYNOPSIS —

An agreement amendment has been negotiated with the engineering organization of RUST/Metcalf & Eddy, a Joint Venture, to provide additional out-of-scope engineering design services for the WRA Wastewater Treatment Bio-Solids Facilities project.

FISCAL IMPACT —

The proposed agreement amendment for such out-of-scope additional engineering design services is \$48,460, plus a fixed fee of \$6,780, which results in a total increase of \$55,240 in the maximum fee for this amendment. This amendment will increase the total fee of the original agreement from \$148,752 to \$203,992.

Funding for this project is provided for on page 265 of the 1996-97 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.

RECOMMENDATION —

Approval of the proposed Engineering Agreement with RUST/Metcalf & Eddy, a Joint Venture.

BACKGROUND —

On January 23, 1996, by Roll Call No. 95-328, an agreement was executed by the City of Des Moines with the professional engineering organization of RUST/Metcalf & Eddy, a Joint Venture, to provide preliminary design services for the proposed Bio-Solids Improvement Project at the Des Moines WRA Wastewater Treatment Plant. The agreement was executed as a result of recommendations in an amendment to the Des Moines ICA Facilities Plan for construction of certain improvements necessary to comply with federal sludge use and disposal regulations (40 CFR Part 503).

The preliminary design work included selection and recommendation of a site best suited to accommodate new Bio-Solids Facilities. The recommended site is located west of the existing WRA Wastewater Treatment Facilities at East 30th Street and Vandalia Road on the north side of the Des Moines River. The recommended site was formerly the location of several sand pits. The sand pits were filled with unknown materials over the years and ultimately covered with soil.

It has been determined necessary to have a substantial number of soil samples taken at this location in order to determine the extent of the excavation and disposal of undesirable material work necessary

and to determine the bearing capacity of the supporting material needed for construction of the Bio-Solids Facilities.

This agreement amendment provides for work and materials necessary to perform the soils analysis at this site, to recommend action to be implemented, and to prepare an estimate of the cost thereof to allow for construction of the recommended facilities.