

OFFICE OF THE CITY MANAGER  
DES MOINES, IOWA

CITY COUNCIL COMMUNICATION 96-330  
AUGUST 5, 1996 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
WRA SOUTHWEST OUTFALL RELIEF SEWER - PHASE 1 PROJECT	◆ RESOLUTION ORDINANCE RECEIVE/FILE	HAROLD E. SMITH CITY ENGINEER

**SYNOPSIS —**

An agreement has been negotiated with the engineering firm of Veenstra & Kimm, Inc. to provide Engineering Design Services for the WRA Southwest Outfall Relief Sewer - Phase 1 construction project. The proposed agreement is on a cost plus fixed fee arrangement and provides for Engineering Design Services and certain other design-related services. The proposed fee for such Engineering Services is \$105,070.40 plus a fixed fee of \$14,708.98 which results in a total maximum fee of \$119,779.38 for this agreement.

**FISCAL IMPACT —**

Funding for this project is provided for on page 231 of the 1995-96 Capital Improvements Program. Funds for the City of Des Moines share of the project will be provided by cash on hand from the Des Moines Sewer Replacement Fund. Funds for the WRA constituent community's share of the project will be provided by such communities to Des Moines according to the provisions of the ICA Agreement.

**RECOMMENDATION —**

Approval of the proposed Engineering Agreement with Veenstra & Kimm, Inc.

**BACKGROUND —**

The 1992 Western Area Facility Plan describes certain improvements that are necessary to implement the facility plan and also incorporates a schedule for such implementation. One of the improvements described in the plan is construction of the Southwest Outfall Relief Sewer project. The plan shows this project to be separated into two segments. Segment One is scheduled in the Western Area Facility Plan to be implemented in 1997. Segment Two of the project is currently under construction and is nearing completion. In order for implementation to occur in 1997, it is necessary to begin design work on the Segment One project this year.

The proposed Southwest Outfall Relief Sewer - Phase One project is located east of Fleur Drive along the north side of the Raccoon River and is parallel to the existing Southwest Outfall Sewer. The proposed sewer is approximately 8,300 feet in length and will be located in an area that is considered to be industrial in nature. Construction of the upstream portion of the sewer may encounter existing groundwater contamination areas where previous trichloroethylene problems were encountered by others. Construction work in the underground contaminated area could increase the cost of the project over the estimate shown in the facility plan.

Design and construction costs of the proposed sewer project would be allocated to the following WRA communities according to the Fourth Supplement to the ICA Agreement:

Des Moines	20.57%
West Des Moines	37.00%
Clive	10.15%
Urbandale Sanitary Sewer District	20.65%
Urbandale-Windsor Heights Sanitary District	11.63%

The cost of this project as estimated in the Western Area Facility Plan is \$2,542,640. This estimate of cost was prepared in 1992 and will need to be adjusted after actual design of the project to take into account today's prices and known site conditions.

This project was approved by the WRA Management Agency to proceed with design and construction on March 12, 1996.

The proposed design and construction of this project is consistent with the schedule in the Western Area Facility Plan and will avoid potential conflict with the ML King, Jr. Parkway contemplated for construction in this area.