

CITY COUNCIL
COMMUNICATION:

03-006

AGENDA:

JANUARY 6, 2003

SUBJECT:

AUTHORIZATION TO
PROCEED WITH
DESIGN PROCESS
ON VARIOUS
PROJECTS

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

SUBMITTED BY:

JOHN F. MCKEE, P.E.
ACTING CITY
ENGINEER

ITEM _____

OFFICE OF THE CITY MANAGER
CITY OF DES MOINES, IOWA

SYNOPSIS —

Authorization to proceed with the design process on the following projects:

- 1) Clark Sanitary Station
- 2) East 20th Street Connector Trunk Sewer
- 3) Des Moines River Outlet
- 4) Southeast Ridge Trunk Sanitary Sewer (Connection Fee)

FISCAL IMPACT —

An estimated total project cost for all projects is \$26,923,827. Funding for the design of projects 1-4 and construction/project management of projects 1 and 2 is included in the adopted 2002-03/2007-08 Capital Improvements Program (CIP). Construction and project management of projects 3 and 4 is included in the Proposed 2003-04/2008-09 CIP.

RECOMMENDATION —

Approval.

BACKGROUND —

On March 4, 2002, by Roll Call No. 02-602, the City Council adopted the 2002-03/2007-08 CIP. Council authorization is needed to proceed with the following CIP projects.

- 1) Clark Sanitary Station - This project provides for the relocation or replacement of the aging Clark Sanitary Station. The station will be relocated near the existing station, yet away from the turning traffic at 2nd Avenue and Clark Street to help increase visibility. This station will provide service to residents and businesses in the Central Place area.
- 2) East 20th Street Connector Trunk Sewer - This project provides for construction of approximately 9,500 linear feet of 48-inch diameter sanitary trunk sewer in the area from East 20th Street, north of Dean Avenue, to the Wastewater Reclamation Facility at Southeast 30th Street and Vandalia Road. This proposed sewer would transport the existing separate sanitary sewer flow from the East 20th Street Interceptor to the Wastewater Reclamation Facility. Currently, the East 20th Street Interceptor transports the separate sanitary sewer flow into a combined sewer system prior to reaching the Wastewater Reclamation Facility. Construction of the

proposed East 20th Street Connector will reduce flows in the combined sewer system, which should reduce basement backups in the Logan area and also reduce the amount and frequency of discharges from the combined sewer overflows.

- 3) Des Moines River Outlet - This project is in the combined sewer system and provides for the construction of a large outfall sewer along the west side of the Des Moines River from Grand Avenue to south of Elm Street and along the east side of the Des Moines River from Raccoon Street to the south side of Scott Avenue, a river crossing from the west side to the east side of the Des Moines River. This project would eliminate several combined sewer overflows and related structures in the proposed Riverwalk area, and construct one new combined sewer overflow structure south of Scott Avenue near SE 4th that will allow meeting the nine minimum requirements included in the current National Pollutant Discharge Elimination System (NPDES) permit that was issued to the City of Des Moines in December of 2001. This project is not in the current adopted CIP; however it is proposed in the 2003/04 CIP to be designed in 2002/03 and constructed in 2003/04. Funding for 2002/03 design will be transferred from General Sanitary Studies - Fund EN101, Organization PWK074004, Project EN-064, Activity ID 17-2003-007. The schedule must be accelerated to coordinate with the proposed Riverwalk and allow this outfall sewer to be constructed before the Riverwalk construction begins.
- 4) Southeast Ridge Trunk Sanitary Sewer (Connection Fee) - This project provides for the construction of a trunk sanitary sewer system to provide sanitary sewer service to an area proposed for annexation in Warren County lying south of County Line and in Polk County east of Southeast 36th Street and south of Southeast 57th Avenue. This trunk sewer will allow the area to develop at the densities required to make the area an asset and to provide for the growth that is projected associated with the relocation of Highway No. 5/65. A trunk sewer connection fee district will be established to provide for the collection of fees to reimburse the City for the construction cost associated with the Southeast Ridge Trunk Sanitary Sewer, as the area develops.

