



**CITY COUNCIL
COMMUNICATION:**

ITEM _____

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

00-258

SYNOPSIS -

AGENDA:

Council authorization to proceed is requested for the following projects:

JUNE 5, 2000

SUBJECT:

2000-2001 CIP
AUTHORIZATION
TO PROCEED ON
VARIOUS PROJECTS

- 1) Repainting Easton Boulevard Bridge over Four Mile Creek - City-Wide Bridges
- 2) Relining East 20th Street Sanitary Box Sewer - Relining Sanitary Trunk Sewers
- 3) Fifteenth Street Corridor Improvements - Martin Luther King, Jr. Parkway to Ingersoll Avenue
- 4) Park Avenue Widening - SW 42nd Street to Valley Drive

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

FISCAL IMPACT -

Total cost for these projects is estimated to be \$9,900,000.

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

RECOMMENDATION -

Approval.

BACKGROUND -

On March 6, 2000, by Roll Call No. 00-681, the City Council adopted the 2000-2001/2005-2006 Capital Improvement Program (CIP) and Operating Budgets. The City hereby requests Council authorization to proceed with the following projects:

- 1) Repainting of Easton Boulevard Bridge over Four Mile Creek - City-Wide Bridges - page BRV-4 in the 2000-2001 CIP - \$50,000 estimated cost

This project will provide for repainting of the Easton Boulevard Bridge over Four Mile Creek. This bridge needs to be repainted to protect the structural steel and handrails from further deterioration due to rusting.

2) Relining East 20th Street Sanitary Box Sewer - Relining Sanitary Trunk Sewers - page SAE-19 in the 2000-2001 CIP - \$6,000,000 estimated cost (two-year program)

The East 20th Street Box Sewer was built in the 1930s by the Works Progress Administration (WPA). This box sewer is a double chambered, poured-in-place concrete structure with a center wall that allows conveyance of sanitary flows on one side of the center wall and storm water flows on the other side. Deterioration of the center wall has occurred which allows transfer of sanitary sewer flows into the storm sewer side of the box sewer.

The City has been actively working with the Region 5 Office of the Iowa Department of Natural Resources (IDNR) to eliminate contamination of Deans Lake by making repairs to several sections of the box sewer where the center wall has deteriorated. The goal of this work is to attain and maintain compliance with the enforceable requirements of the Clean Water Act. In 1999, the City relined the upper sections of the sanitary side of the box sewer going south and east of East 14th Street and East Euclid Avenue for approximately 4,000 ft. and stopped the source of contamination in this section.

The City has applied for a transfer of the unused portion of the State Revolving Loan Fund, Project No. CS192001-05, to be used to reline the remainder of box sewer. There is currently \$3 million available in this fund. The City is proposing to budget \$1.5 million each year, in the fiscal years 2000-2001 and 2001-2002, to apply towards this sewer that is within the Sanitary Trunk Sewer Relining program. IDNR has approved the transfer of the remaining loan funds with the condition that the first \$1.5 million must be spent by January 1, 2001, and the second \$1.5 million must be under contract by that date. Continued relining of the sanitary sewer side of the box sewer will prevent crossover of sewer flows, thereby maintaining compliance with the requirements of the Clean Water Act.

The next phase of this project will be to clean and televise the remaining portion of this sanitary box sewer from Dean Avenue to East Hull Avenue so additional relining contracts can be prepared.

3) Fifteenth Street Corridor Improvements, page STR-25 in the 2000-2001 CIP - \$1,650,000 estimated cost (three-year project)

The 15th Street corridor has been identified as one of the important future north/south streets in the west end of the downtown area, providing a connection from Martin Luther King, Jr. Parkway on the south to Crocker/Cottage Grove on the north. As part of the Meredith expansion project, 16th Street will be eliminated between Grand Avenue and Locust Street. This closing was accommodated based on the future realignment of 15th Street.

4) Park Avenue Widening - SW 42nd Street to Valley Drive, page STR-42 in the 2000-2001 CIP - \$2,200,000 estimated cost (six-year project)

This project provides for widening Park Avenue between SW 42nd Street and Valley Drive into a three-lane roadway. Phase 1 of this project will include creation of turn lanes and signalization of the intersection at SW 42nd Street and Park Avenue. Phase 2 will include widening Park Avenue to three lanes. Valley Drive and SW 46th Street will be rebuilt on a new alignment, which would intersect Park Avenue at a new signalized intersection. This would be compatible with the future design of the Southwest Diagonal. State funds have been approved for Phase 1 of this project.

Since this project has been delayed due to negotiations with IDOT regarding I-235 reconstruction, \$30,000 will be transferred from the Pennsylvania Avenue and Buchanan Street Intersection project. This funding will allow for preliminary survey and some design to begin in Fiscal Year 2001.