



**CITY COUNCIL
COMMUNICATION:**

ITEM _____

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

99-127

SYNOPSIS -

AGENDA:

Council authorization to proceed is requested for the following projects:

APRIL 5, 1999

- 1) Bridge Deck Restoration Projects
- 2) Public Works Street Maintenance Program.

SUBJECT:

FISCAL YEAR 2000 CIP
AUTHORIZATION TO
PROCEED ON VARIOUS
PROJECTS

FISCAL IMPACT -

Total cost for these projects is estimated to be \$1,895,000, provided in the adopted Capital Improvement Program (CIP).

TYPE:

RECOMMENDATION -

RESOLUTION
ORDINANCE
RECEIVE/FILE

Approval.

SUBMITTED BY:

BACKGROUND -

FLOYD BENTZ, P. E.
ACTING CITY ENGINEER

On March 1, 1999, by Roll Call No. 99-604, the City Council adopted the Fiscal Year (FY) 2000 CIP and Operating Budgets. Council authorization to proceed is requested on the following projects.

1) Bridge Deck Restoration Projects:

1a) Design of Williams Street Bridge over Four Mile Creek Deck Restoration - Bridge Deck Restoration Project - page 81 in the FY2000 CIP - \$10,000 estimated design cost.

This project will provide for restoration of the deck surface of the Williams Street Bridge over Four Mile Creek. This bridge deck has experienced delamination of

the concrete surface which has led to severe spalling.

It is anticipated that the entire deck will be ground down approximately 1½ inches and replaced with a high-density concrete wearing surface. The construction cost is estimated to be \$80,000.

1b) Analysis of University Avenue Bridge over Des Moines River - page 81 in the FY2000 CIP - \$10,000 estimated cost.

This project will provide for structural analysis of the deck of the University Avenue Bridge over the Des Moines River. The expansion joints of this bridge are deteriorating rapidly. A structural analysis of the deck needs to be completed to determine the condition of the entire superstructure to determine if this bridge could be eligible for Federal Bridge Replacement/Rehabilitation funds. If the bridge were found to be eligible for federal funds, 80 percent of the project cost, up to a maximum of \$1,000,000, would be available from the Federal Transportation Efficiency Act for the 21st Century (TEA-21).

2) Public Works Street Maintenance Program:

2a) Asphaltic Overlay and Curb Replacement Program - page 278 in the FY2000 CIP - \$100,000 estimated project cost.

2b) Asphaltic Paving Restoration Program - page 279 in the FY2000 CIP - \$600,000 estimated project cost.

2c) Concrete Curb and Median Island Replacement Program - Public Works - page 283 in the FY2000 CIP - \$450,000 estimated project cost.

2d) Concrete Paving Restoration Program - Public Works - page 284 in the FY2000 CIP - \$600,000 estimated project cost.

2e) Seal and Slurry Coat Programs - Operating Budget project, Public Works Street Maintenance - \$125,000 estimated project cost.

The 1999 Street Maintenance Program as proposed by the Public Works Department includes Portland Cement Concrete (PCC) curb replacement, concrete pavement restoration, seal coat, slurry seal, and Asphaltic Cement Concrete (ACC) overlay programs. Attached to the roll

call is a list of the proposed streets included in each program.

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