



Council Communication

Office of the City Manager

Date

March 26, 2007

Agenda Item No. 7A
Roll Call No. 07-
Communication No. 07-160
Submitted by: Jeb E. Brewer, P.E.
City Engineer

AGENDA HEADING:

Ordering construction of the following: 2007 Box Sewer Rehabilitation Program - Receiving bids, (4-10-07), and Setting date of hearing, (4-23-07). (Construction Estimate - \$395,000).

SYNOPSIS:

Recommend the City Council proceed with construction of the improvement utilizing the method of financing referenced below. This project provides for the lining of storm and sanitary box sewers that have deteriorated due to age. These two box sewers will be lined using the “shotcrete” method, which is a field process whereby concrete with fine aggregate is sprayed from a nozzle onto newly installed reinforcing steel on the inside of an existing sewer to construct a new pipe or box sewer inside the old sewer; thereby adding structural strength to the sewer and creating a new inside wearing surface. This method has proven to be a less disruptive and cost effective way of rehabilitating aging large box sewers.

FISCAL IMPACT:

Amount: \$395,000 City Engineer's Estimate

Funding Source: 2007-2008 CIP, Page Storm-5, City-wide Storm Water Utility Projects, STE057, Various Funding, Being: \$58,750 in Storm Water Utility Funds from STE057 for box culvert lining on E. Indianola Avenue, and \$336,250 in Sanitary Sewer Funds for box sanitary sewer lining on High Street from Page Sanitary-11, Lining Sanitary Trunk and Lateral Sewers, SAE049

ADDITIONAL INFORMATION:

The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer’s estimate for the construction of the 2007 Box Sewer Rehabilitation Program, 08-2007-003. The improvement includes lining with “Shotcrete” and restoration of 70 LF of 8’x10’ box culvert on E. Indianola Avenue between Olinda Avenue and E. Gray Street as well as lining of 700 LF of 5’ x 10’ box sanitary sewer on High Street between 22nd and 24th Streets in Des Moines, Iowa; all in accordance with the contract documents including Plan File Nos. 472-070/072.

The estimated construction cost is \$395,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the City Engineer's Office.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also partial payments to the contractor and final acceptance of work.