


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	24-315	Meeting:	August 5, 2024
	Agenda Item:	10	Roll Call:	24-1050
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Approving Change Order No. 6 with Municipal Pipe Tool Company, Inc. for additional work on 2022 Sewer Lining Program, in the amount of \$477,265.80.

SYNOPSIS:

Recommend approval of Change Order No. 6 in the amount of \$477,265.80 with Municipal Pipe Tool Company, LLC (Mark Kaler, Manager, 515 5th Street, PO Box 398, Hudson, Iowa 50643) for additional work on 2022 Sewer Lining Program.

FISCAL IMPACT:

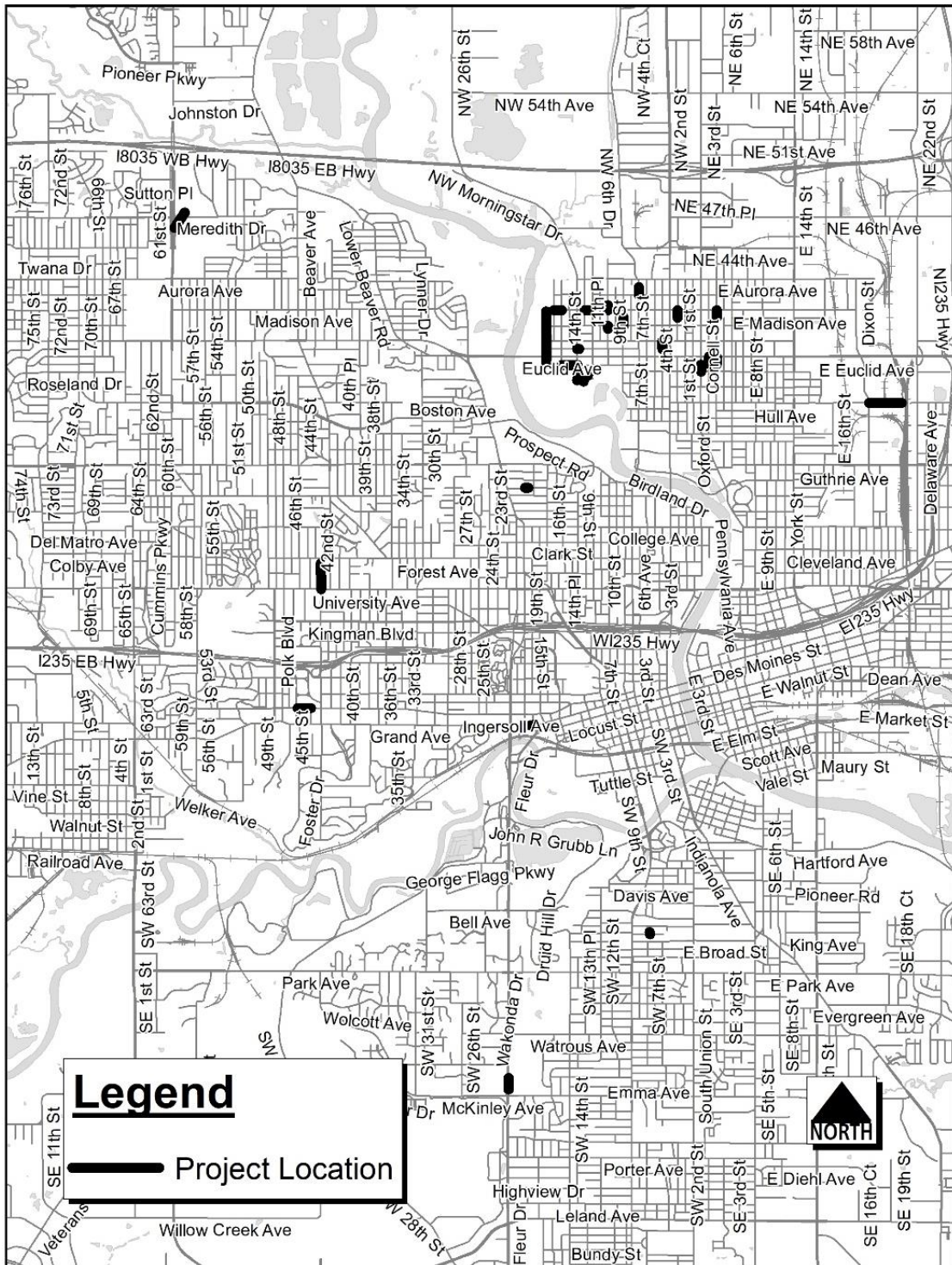
Amount: \$477,265.80

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 85, Sanitary Sewer Lining and Repairs, SS049, Being: \$117,126 Des Moines Water Works and the remaining American Rescue Plan Act (ARPA) and Sanitary Sewer Fund

ADDITIONAL INFORMATION:

- This project provides for the rehabilitation of sanitary and storm sewers that have not yet failed but are in an advanced state of deterioration due to age, with some up to 100 years old. Lining of sewers has proven to be a cost effective and less disruptive method for rehabilitating deteriorated sewers compared to excavating and replacing them with new sewers.
- On September 12, 2022, under Roll Call No. 22-147, the City Council approved plans and specifications for the 2022 Sewer Lining Program project and designated the lowest responsible bidder as Municipal Pipe Tool Company, Inc. for \$2,945,436.19.
- Change Order No. 1 for \$27,020, approved by the City Engineer on October 26, 2022, increased the quantity for Pipe Lining Patches and Pipe Lining. Additional spot repair linings were needed after reviewing the video of repair locations. This change did not alter the completion date of the project.

- Change Order No. 2 for \$79,500, approved by the City Engineer on March 24, 2023, added a bid item for heavy cleaning. While trying to televise a 30" sanitary sewer line on E. Seneca Avenue, a large amount of debris was encountered. Heavy cleaning with heavy duty equipment and bypass pumping was needed to clear the line. This change did not alter the completion date of the project.
- Change Order No. 3 for \$79,790, approved by the City Engineer on October 10, 2023, added Pipe Lining. The Public Works Department requested to add some lining on 24th Street north of College Avenue, and an additional 700 LF of lining was added for other locations directed by the Engineer. Due to numerous sewer lining additions to this contract, the new completion date was modified to April 1, 2024.
- Change Order No. 4 for \$92,625, approved by the City Engineer on December 8, 2023, included increasing the heavy cleaning and manhole enlargement. The work was in preparation for lining a 100-year-old deteriorated sanitary sewer located on E. 1st Street near the Des Moines Police Department. There had been a previous sewer collapse in the area, so additional heavy cleaning was required prior to lining the sewer. This change did not alter the completion date of the project.
- Change Order No. 5 for \$98,725, approved by the City Engineer on March 15, 2024, included increasing the quantity for manhole and sewer repairs on Kingman Blvd. Prior to lining the sanitary sewer on 40th Street the sewer was televised. The televising revealed a collapsing manhole at the downstream end and some missing sewer pipe. To complete this repair, additional pavement removal was needed to relocate utilities including three (3) water mains. This change did not alter the completion date of the project.
- While cleaning and televising the sanitary sewer on 40th Street prior to lining, a couple of holes were discovered in the pipe. These holes were just outside of a highly deteriorated, undersized brick sanitary manhole in the intersection 40th Street and Kingman Blvd. A large void at the bottom of the manhole also revealed that some sections of the incoming sewer pipes were also missing. Repairing the manhole and pipe are required prior to performing the lining. In order to replace this undersized manhole, three (3) water mains (two {2} eight-inch {8"} mains and a 20" feeder main) that are in conflict need to be relocated. Change Order No. 6 will add the aforementioned water main relocations and the manhole and sewer pipe replacement at 40th Street and Kingman Blvd. to the scope of project. The relocation of the eight-inch (8") water mains will be funded by Des Moines Water Works. Also, additional shoring needs to be installed by the contractor due to the close proximity of numerous utilities (phone, electric, gas, and fiber optics).



PREVIOUS COUNCIL ACTION(S):

Date: September 12, 2022

Roll Call Number: [22-1471](#) and [22-1472](#)

Action: On 2022 Sewer Lining Program: Resolution approving plans, specifications, form of contract documents, engineer's estimate, receive and file bids, and designating the lowest responsive, responsible bidder as Municipal Pipe Tool Company, LLC (Mark Kaler, Manager), \$2,945,436.19. ([Council Communication No. 22-410](#)) Moved by Boesen to adopt. Second by Gatto. Motion Carried 7-0.

(A) Approval of contract and bond and permission to sublet. Moved by Boesen to adopt. Second by Gatto. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Partial payments to the contractor and final acceptance of work. Potential Change Orders if additional work is determined to be required.

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