


COUNCIL COMMUNICATION

	Number:	22-137	Meeting:	March 21, 2022
	Agenda Item:	5C	Roll Call:	22-391
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: Western Ingersoll Run Sewer Separation Phase 3 - Receiving bids, (4-5-22), and Setting date of hearing, (5-9-22). Construction Estimate - \$5,400,000.

SYNOPSIS:

Recommend the City Council order construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. This project provides for the separation of storm water flows from the existing combined storm and sanitary sewer system as part of the Long-Term Control Plan to meet the requirements of the Iowa Department of Natural Resources (IDNR) and the 2010 IDNR issued Consent Order, Judgment, and Decree. The project will separate sewer flows generally between Grand Avenue on the south, 40th Street on the west, 35th Street on the east and Rollins Avenue to the North. This is the third and final phase of the Western Ingersoll Run Sewer Separation project.

FISCAL IMPACT:

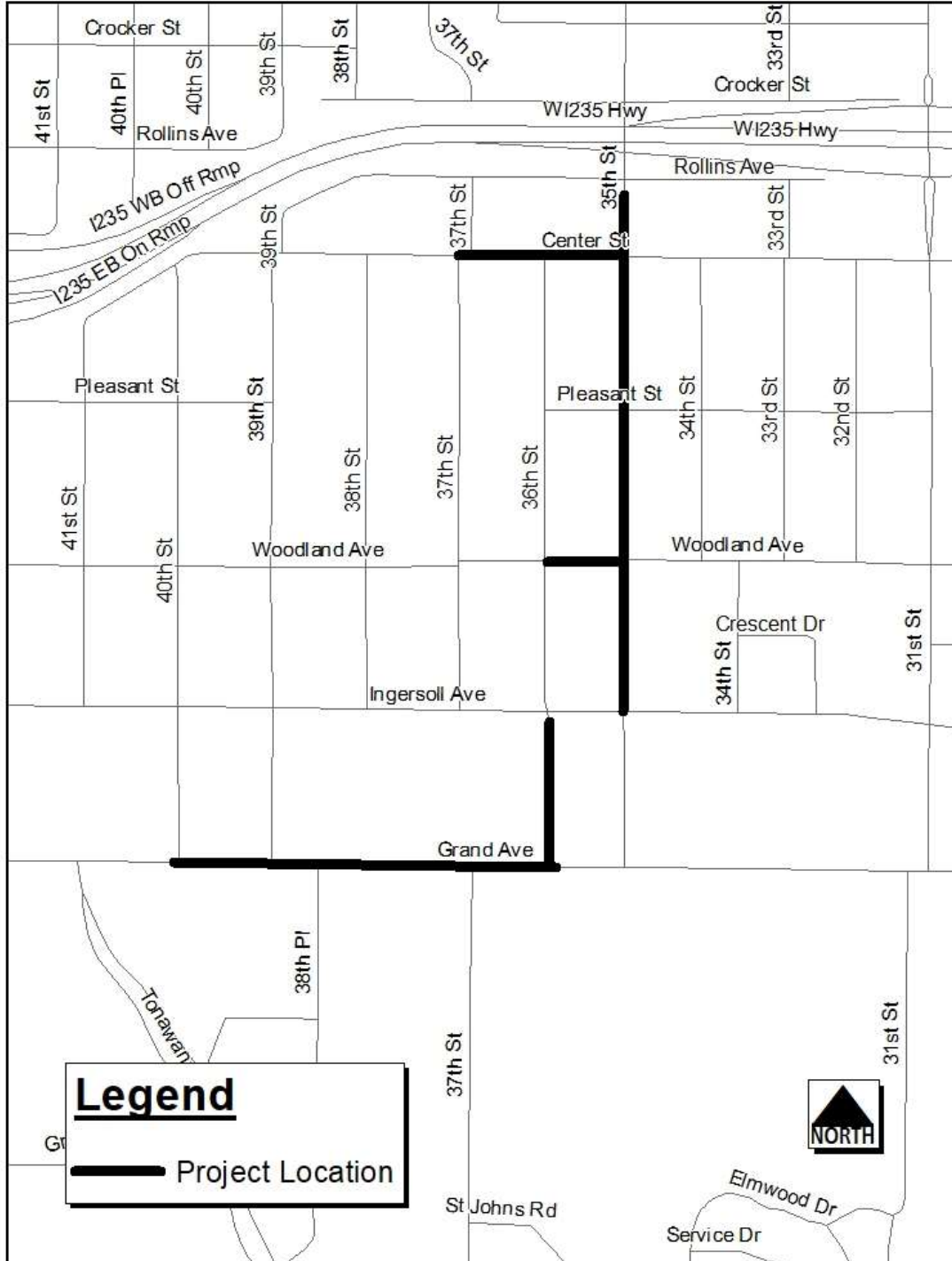
Amount: \$5,400,000 City Engineer's Estimate

Funding Source: 2021-2022 CIP, Page 94, Western Ingersoll Run Sewer Separation, SS139 , Being: \$5,143,619 SRF Funding and the remaining \$256,381 from Des Moines Water Works.

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Western Ingersoll Run Sewer Separation Phase 3, Activity ID 07-2021-002. The improvements include 15-inch to 36-inch storm sewer pipe, 24-inch to 30-inch trenchless storm sewer pipe, storm sewer manholes, storm sewer intakes, sanitary sewer spot repairs, sanitary service adjustments, water main alterations, water services, Hot-Mix-Asphalt (HMA) pavement, Portland Cement Concrete (PCC) curb and gutter, PCC sidewalks, PCC driveways, earthwork, pavement markings, erosion control, and other incidental items; all in accordance with the contract documents, including Plan File No. 642-001/140, located on 35th Street from Ingersoll Avenue to Rollins Avenue, Woodland Avenue from 36th Street to 35th Street, Center Street from 37th Street to 35th Street, 36th Street from Grand Avenue to Ingersoll Avenue, and Grand Avenue from 36th Street to 40th Street.

- The estimated construction cost is \$5,400,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- The Western Ingersoll basin is located in the western part of the City of Des Moines generally bounded on the east by 31st Street, on the south by Grand Avenue, on the west by a line located between 44th Street and 45th Street, and on the north by an irregular line located between University Avenue and Forest Avenue.
- The sewers in the Western Ingersoll basin are tributary to the Ingersoll Run Combined Sewer. The Ingersoll Run Combined Sewer is tributary to the Wastewater Reclamation Authority's (WRA) Combined Sewer Overflow (CSO) at 22nd and High Street. The City, the WRA and the IDNR have entered into a consent decree that requires the WRA to eliminate the CSO at 22nd and High Street by December 31, 2023.
- The total area of the Western Ingersoll basin is approximately 820 acres; however, the Western Ingersoll basin consists of two (2) separate sub-basins. One (1) sub-basin is north of I-235 and one (1) sub-basin is south of I-235. Several storm sewer systems exist in the northern part of the Western Ingersoll basin (located north of I-235); therefore, the northern part of the Western Ingersoll basin is only partially combined. North of I-235, there are approximately 20 existing storm intakes connected to the combined sewer system.
- Phase 1 construction began in May 2021 and is scheduled to be complete in summer 2023.
- Phase 2 construction is anticipated to begin in spring 2022 and scheduled to be complete by summer 2023.
- A public meeting was held on October 7, 2021, to present the Western Ingersoll Run Sewer Separation Phase 3 design to the public.
- Construction of this project is anticipated to begin in late spring 2022, with most of the construction complete by end of 2023, and surface restoration work complete by spring 2024.



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.

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