

April 5, 2023

FY2024 DWSRF Projects

*Samuel A. Smalley, P.E, S-1, F-1,
Chief Operating Officer*



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DWSRF FY 2024 Water Main Replacement

- DWSD will be seeking low-interest Drinking Water State Revolving Fund (DWSRF) loan assistance for FY2024.
- The projects are titled WS-725 (Project A) and WS-7XX (Project B).
- Construction will include:
 - Excavation of existing water mains;
 - Installation of new pipes and rehabilitation of pipes;
 - Replacement of Lead (Pb) Service Lines;
 - Pressure testing;
 - Backfill of the excavation required for piping work; and
 - Restoration of each work site.
- All work to be performed within the existing road right-of-way. **The impact of the project will be improved customer satisfaction and provide safe, reliable service delivery of potable water to customers.**

DWSRF FY 2024 Water Main Replacement

- The temporary impact of construction activities will be minimized through mitigation measures specified in the contract documents.
- Adverse impacts on historical, archaeological, geographic, or cultural areas are not expected.
- This project is necessary to ensure that DWSD will consistently and reliably provide high quality potable water to Detroit residents.
- **The Project Plan describes water mains in critical need of replacement or rehabilitation.**
- The total project cost of this project is currently estimated at \$26 Million of which 100% is being requested through the DWSRF.
 - Approximately \$12.5 Million for Project A
 - Close to \$13.5 Million for Project B.

DWSRF Program Overview

Drinking Water State Revolving Fund (DWSRF)

- Low-interest state loan program

City of Detroit is well positioned to receive funding based on need.

- Disadvantaged community determination based on debt service on the upcoming loan will be charged to the City customers over time and built into the capital portion of the rate structure.
- DWSD's disadvantaged status allows for a 30-year or 40-year term option instead of 20-year.
- Principal forgiveness subsidy:
 - Previous loan for \$10,000,000 with 100% loan forgiveness for lead service line replacement.
 - Booker Funding from EGLE-State of Michigan.

Project Locations and Scope of Work

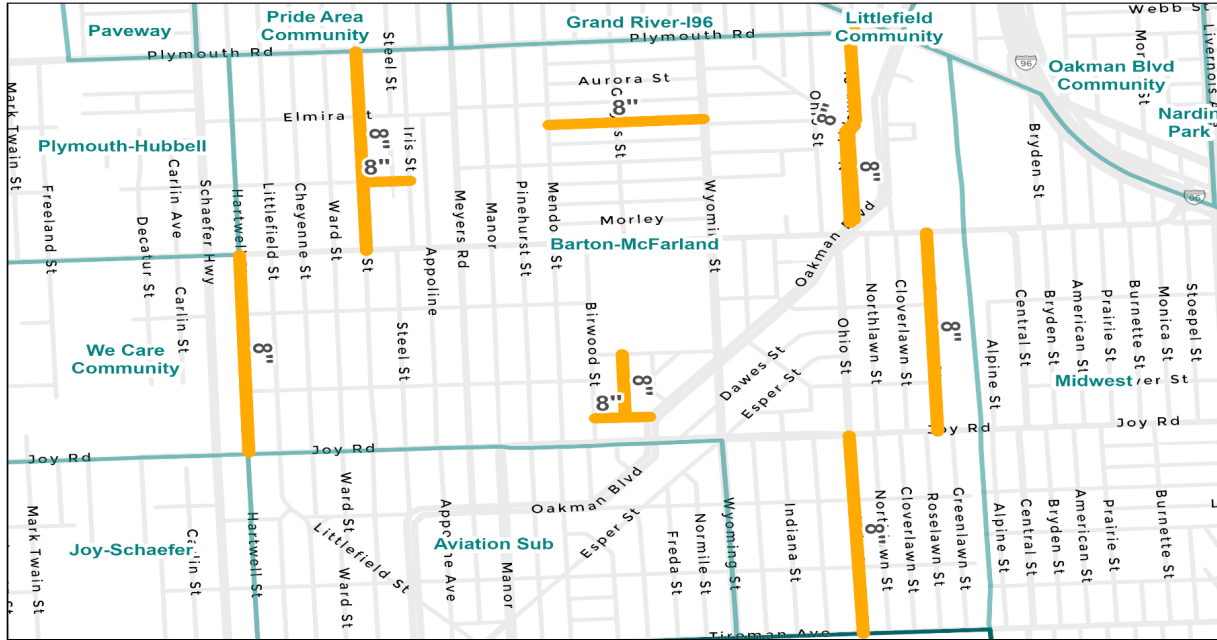


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WS-725: Water Main Replacement and Rehabilitation in Districts 5 and 7

- DWSD proposed to develop contract number WS-725 with a project scope that includes **replacing and rehabilitating approximately 30,877 linear feet of vintage cast iron water main** of pipe size 6-inches through 12-inches in diameter.
 - Full Lead service line replacements (approximately 458 lead services)
 - **Estimated cost: \$12.5M**
- **Project locations:** Midtown, Cultural Center, Medical Center (all in D5), and Barton-McFarland (D7).

WS-725 Overview Map D7



Detroit Westside - Council District 7 - Watermains on Beechdale, Griggs, Hartwell, Kramer, Northlawn, Ohio, Orangelawn, Roselawn, Sorrento



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WS-725 Overview Map D5



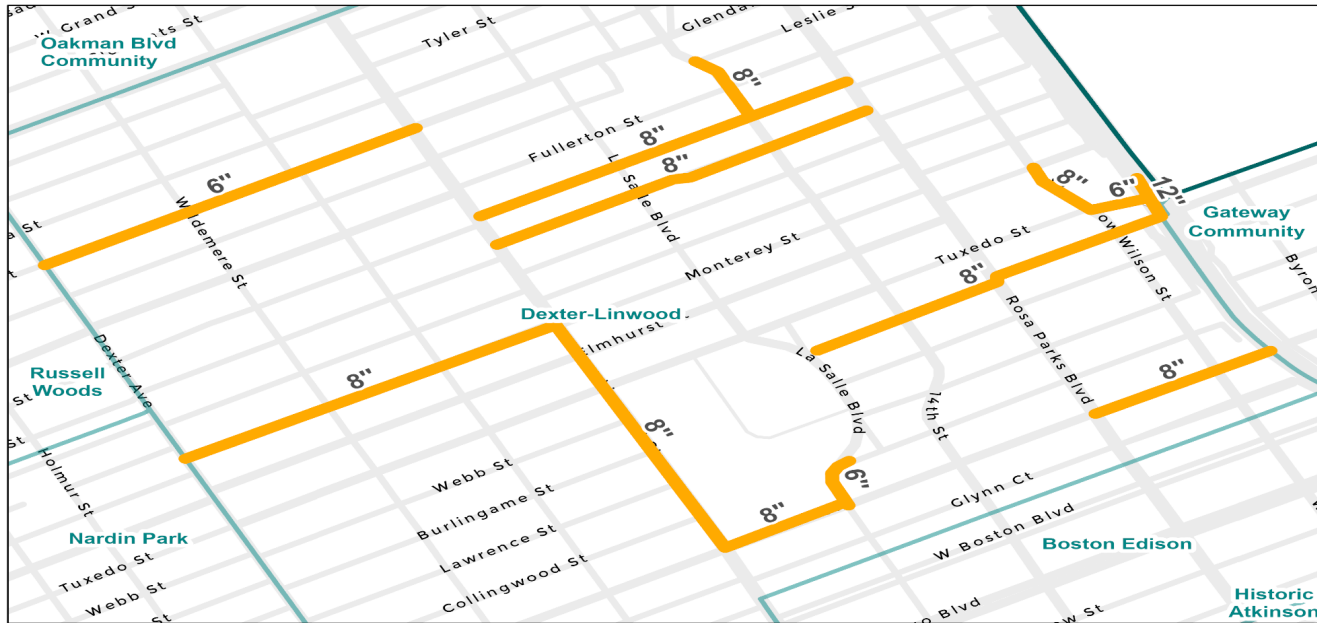
Detroit Core City - Council District 5 - Watermains on 2nd, 4th, 5th, Alexandrine, Canfield, Cass, Henry, John R, Selden, Willis,



WS-7XX: Water Main Replacement and Rehabilitation in Districts 3 and 7

- DWSD proposed to develop a contract number WS-7XX with a Project scope that includes **replacing and rehabilitating approximately 31,912 linear feet of vintage cast iron water main** of pipe size 6-inches through 12-inches in diameter.
 - Full Lead service line replacements (approximately 475 lead services)
 - **Estimated cost: \$13.5M**
- **Project Locations:** Dexter – Linwood, Davison and Buffalo-Charles.

WS-7XX Overview Map D5

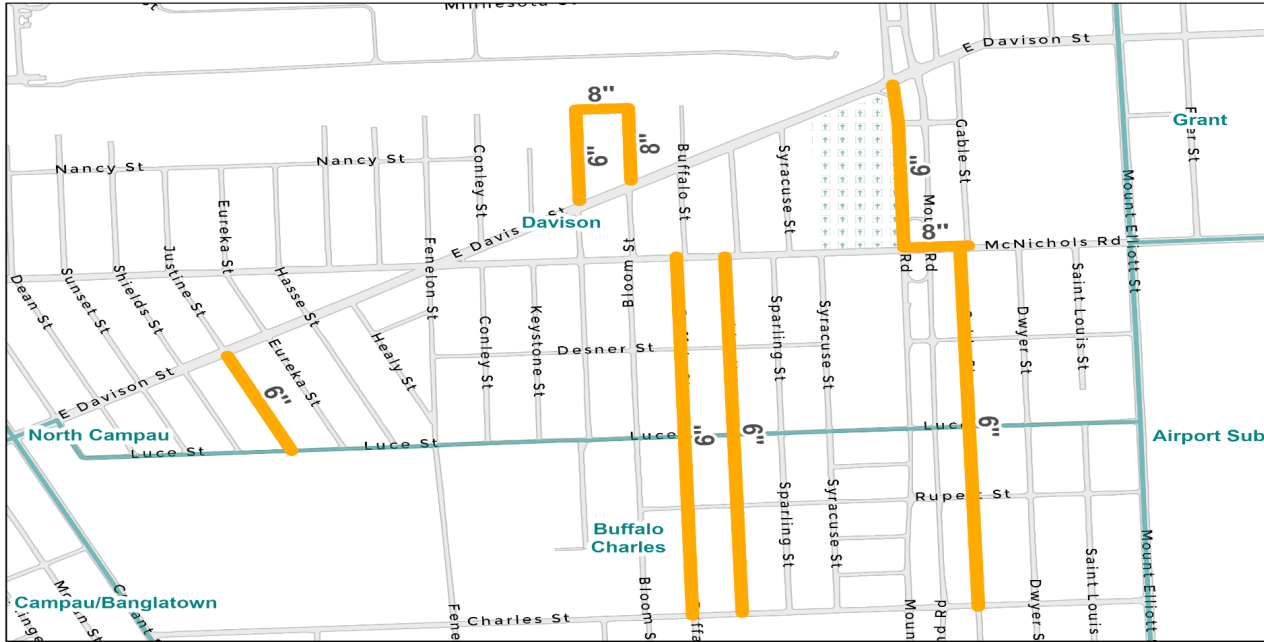


Detroit Westside - Council District 5 - Watermains on 14th, Calvert, Glendale, Highland, John C Lodge, La Salle, Linwood, Monterey, Sturtevant, Tuxedo, Webb, and Woodrow Wilson.



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WS-7XX Overview Map D3



Detroit Eastside - Council District 3 - Watermains on Bloom, Buffalo, Caldwell, Gable, Justine, McNichols, Moenart, Mound, and Phyllis.



Schedule

Project Plan, Design and Construction



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DWSRF Project Plan Schedule

Draft Project Plan Public Meeting and Board Resolution

• April 19, 2023

GLWA Board Meeting and Board Resolution

• May 24, 2023

Final Project Plan Submitted to EGLE

• May 2023

Bid Ad Published

• January 2024

Construction Begins

• April 2024

Finance Committee Action

Resolution Approving the Project Planning Document

- DWSD requests the Finance Committee approval to move forward with presenting the project planning document to BOWC on April 19, 2023.

Thank You



313-267-8000



dwsd-publicaffairs@detroitmi.gov



www.detroitmi.gov/dwsd



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