



CAPITAL IMPROVEMENT

PUBLIC HEARING NOTICE

AND SRF PROJECT PLAN

June 19, 2019

Public Hearing for Sewer Rehabilitation

FY20 State Revolving Fund (SRF) Project Plan

The Detroit Water and Sewerage Department (DWSD) announces a Public Hearing regarding its Project Plan for proposed Sewer Rehabilitation in the city of Detroit. DWSD will be seeking low interest State Revolving Fund (SRF) loan assistance for FY2020. The project is comprised of rehabilitating/limited replacement of aging sewers in multiple areas located within the city. Construction will include in-place rehabilitation of sewers and manhole structures, and in limited instances, excavation of existing sewers for replacement. Right-of-way restoration will be performed on any disrupted areas. The impact of the project will be improved customer satisfaction and safe reliable service delivery of sewage sewer conveyance to the Water Resource Recovery Facility. The temporary impact of construction activities will be minimized largely through extensive use of trenchless technologies, along with 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 sewer conveyance to the Water Resource Recovery Facility. The total cost of the loan eligible portions of these two (2) projects is currently estimated at approximately **\$25,628,000**, which is being sought through the SRF low interest loan program. The Sewer Rehabilitation projects are eligible for participating under the State of Michigan low interest SRF loan program.

Public Hearing for Sewer Rehabilitation

FY20 State Revolving Fund (SRF) Project Plan

- The Public Hearing will present a description of the recommended project, estimated costs, as well as the estimated cost per household impact for customers for the loan eligible loan. The typical residential customer bill for sewer disposal in the city of Detroit is expected to increase by no more than 0.64% assuming that low interest loans can be obtained through the SRF loan program. The purpose of the hearing is not only to inform, but to seek and gather input from people that will be affected. Comments and viewpoints from the public are encouraged.

THE MEETING WILL BE HELD ON:

DATE: WEDNESDAY, JUNE 19, 2019

PLACE: UNITY BAPTIST CHURCH

7500 TIREMAN AVENUE

DETROIT, MI 48204

TIME: 6 P.M.

Information on the Project Plan will be available at the following locations:

City Website: Detroitmi.gov/dwsd OR Detroit Water and Sewerage Department Water Board Building, 735 Randolph, First Floor Detroit, Michigan 48226

If you have questions or want to submit written statements for the Public Hearing Record, call or write:

(313) 964-9269, Monica Daniels

Detroit Water and Sewerage Department 735 Randolph, 7th Floor Detroit, MI 48226

Written comments will be accepted at the above address if received prior to 1:00 p.m. EST, Tuesday, June 18, 2019.

Advantages to DWSD



- Disadvantaged Community Determination based on debt service on the upcoming loan will be charged to the City customers
- DWSD's disadvantaged status allows for a 30-year term option instead of 20-year
- Possible principal forgiveness subsidy or other subsidy not yet defined
 - Last year DWSD applied for DWRF \$15.9M @ 2.5% rate with loan forgiveness offered \$4.7M.
 - 3 projects near completion funded by DWRF total of \$24.4M of which \$4M forgiven (incl: one joint project w/GLWA)

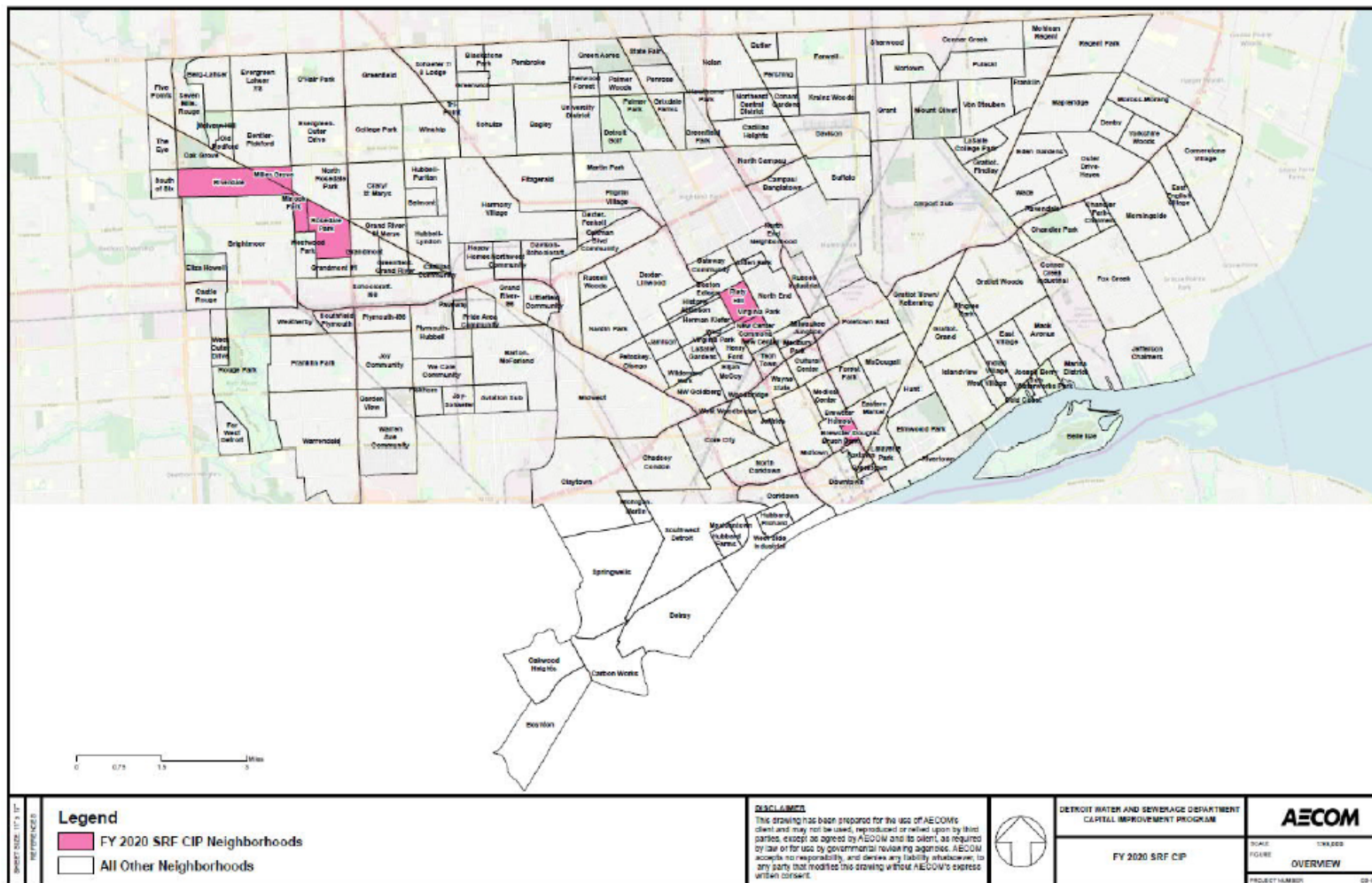
Study Area and Project Zone

- **Location**
- **Project A – Five High Priority Neighborhoods**
- These neighborhoods comprise:
 - 1. Piety Hill
 - 2. New Center Commons
 - 3. Virginia Park
 - 4. Brewster Douglass
 - 5. Brewster Homes
- **Project B – Four Westside Neighborhoods**
- These neighborhoods comprise:
 - 1. Riverdale
 - 2. Miller Grove
 - 3. Minock Park
 - 4. South Rosedale Park

>>Excerpt from *page 7* of the Project Plan



DETROIT
Water & Sewerage
Department



>>Excerpt from [page 8](#) of the Project Plan

6/14/2019

Need for the State Revolving Fund (SRF) Project

- Pipe and manhole interventions determined by condition assessment
- Field data collection and evaluation following National Association of Sewer Service Company (NASSCO) processes and ratings
 - Sewer pipes
 - Manholes
- Primary criterion used to determine candidates for rehabilitation and replacement is structural integrity
- Eligible assets for SRF funding must have been identified with the following structural defect classification:
 - Grade 4 (Significant)
 - Grade 5 (Most Significant)

>>Excerpt from *page 13* of the Project Plan

Project A – Five High Priority Neighborhoods

- There are approximately **10 miles** of pipe in Project A neighborhoods in total needing an intervention, ranging in size from 10-inch to 54-inch.
 - Approximately **4.5 miles are loan eligible** based upon SRF structural defect requirements.
- The pipe material includes brick, concrete, crock, PVC, reinforced concrete, vitrified clay, unknown and CIPP lined.

>>Excerpt from **page 9** of the Project Plan

Project B – Four Westside Neighborhoods



- It is estimated approximately 28 miles of pipe in Project B neighborhoods in total needing an intervention, ranging in size from 8-inch to 180-inch.
 - It is estimated approximately *11 miles are loan eligible* based upon SRF structural defect requirements.
- The pipe material includes brick, concrete, crock, PVC, vitrified clay, unknown and CIPP lined.
- Not all of the pipe in Project B has been televised.

>>Excerpt from *page 11* of the Project Plan

Sample Manhole Defect from a Manhole in the Five High Priority Neighborhoods



>>Excerpt from *page 14* of the Project Plan

Alternatives Considered

Alternative 1 – Continued Repair of Existing Sewers

- Time consuming, costly and a drain on DWSD resources
- Pose a potential increase in public health risk
- Emergency repairs are not “pre-scheduled”, and crews must respond
- Emergency point repairs to fix the immediate failures do not address other “at risk” locations on the same pipe
- Continued repair is not a sustainable means for preserving an aging buried asset
- Alternative 1 is not considered a viable alternative

>>Excerpt from [page 16](#) of the Project Plan

Alternatives Considered (continued)

Alternative 2 – Sewer Main Selected Rehabilitation/Replacement

- Rehabilitation by cured-in-place (CIPP) methods have a 50 year useful life
- CIPP is a trenchless technology and is a cost effective intervention
- CIPP can be performed on entire pipe sections or point repairs
- Pipe replacements will be utilized where hydraulic modeling identifies a need for increased capacity to handle existing flows
- Alternative 2 is a viable alternative

>>Excerpt from *page 16* of the Project Plan

Alternatives Considered (continued)

Alternative 3 – Sewer Main Replacement Only

- Replacement would have a 50+ year useful life
- Replacement would be performed by traditional “open cut” construction
- Exclusive replacement would be the most expensive to implement
- Exclusive replacement would create the most disruption during construction
- Alternative 3 is a viable alternative

Based upon the alternative that can be most easily implemented with the least disruption to the utility and the rate payers, and the cost analysis, Alternative 2, selected rehabilitation/replacement is the recommended alternative.

>>Excerpt from *pages 16 and 17* of the Project Plan

Public Notification

- News Publications-**Wednesday, May 29, 2019**
 - Detroit Legal News
 - Detroit News & Detroit Free Press
 - Michigan Chronicle
- DWSD Website

Item 7 – Environmental Preview/ Review

- The environmental setting for the proposed project is within the city limits and will be done in local urban neighborhoods.
- There is minimal environmental impact as the majority of work will occur within the public right-of-way, where multiple utilities and infrastructure already exists.
- This work includes interventions such as cured-in-place lining (CIPP), trenchless point repairs, external point repairs, full section replacements, and cementitious lining of manholes. Trenchless technologies will be used extensively on a majority of this project.
- The proposed project will not detrimentally affect the water quality of the area, air quality, wetlands, endangered species, wild and scenic rivers or unique agricultural lands.
- Noise and dust will be generated during construction of the proposed improvements. The contractor will be required to implement efforts to minimize noise, dust and related temporary construction byproducts.
- Street congestion and disruption of vehicular movement may occur for short periods of time on the roads where work is actively being done.

>>Excerpt from *page 41* of the Project Plan

Notices Sent/Mailed

- Letters with the notice of public hearing were mailed to the following offices and:
 1. City of Detroit Mayor's Office
 2. Wayne County Dept of Health
 3. Wayne County Dept of Public Services
 4. Wayne County Executive Office
 5. SEMCOG
 6. US Coast Guard
 7. US Army Corp of Engineers
 8. US Department of Homeland Security

Item 10 – Public Involvement

- The project team has pursued contact with the neighborhoods in the Project A and B areas during the initial planning and condition assessment phases leading up to the project plan development.
- Several of the techniques that have been progressively incorporated include: door-to-door outreach; door hangers; movable lawn signs while condition assessment work was being performed; informational meeting with neighborhood association presidents; information provided to the City's Department of Neighborhoods,
- Detroit Economic Growth Corporation District Liaisons and Detroit City Council. A key, required component of this public involvement will be a public hearing outlined in the following sections.
- Notice for the public hearing will be advertised in local publications and will be posted electronically on various websites, social media and through email.
- Comments from the public during the Public Hearing will be addressed and answered by the project team.

Next Steps

- **May 29, 2019** Publish Public Notice
- **June 19, 2019** Public Hearing (ends 30 day public review)
- **June 26, 2019** Incorporate Public Hearing materials and BOWC approval certification; then submit final to GLWA
- **June 26-June 28, 2019** – Obtain GLWA CEO Signature on Project Plan Submittal form
- **June 26, 2019**-GLWA present to their Board
- **June 26-28, 2019** – Obtain GLWA Board approval certification
- **June 30, 2018** – Submit to MDEQ (via overnight mail)
- **July 1, 2019** –Deadline to submit to MDEQ

Thank You



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[@detroitwatersewerage](https://instagram.com/detroitwatersewerage)