



# Detroit Water and Sewerage Department

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## Legislation Text

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**File #:** 2023-56, **Version:** 1

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The Board of Water Commissioners for the City of Detroit, Water and Sewerage Department authorizes the Director to approve **DWSD Contract 6005120 for Project CS-1947 with M.E. Simpson, Inc. for Water Main Condition Assessment services with a total contract amount not-to-exceed \$400,000 and a term of one year.** This also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

### **Agenda of March 15, 2023**

#### **Item No. 2023-56**

#### **Contract No. 6005120 / CS-1947**

**Contractor: M.E. Simpson, Inc., 3406 Enterprise Avenue, Valparaiso, IN 46383**

**Contract Amount: \$400,000**

**Contract Term: 3/27/23 - 3/26/24 (1 year)**

**TO:** The Honorable  
Board of Water Commissioners  
City of Detroit, Michigan

**FROM:** Gary Brown, Director  
Water and Sewerage Department

**RE:** Proposed DWSD Contract 6005120 / CS-1947  
Water Main Assessment Services

### **MOTION**

Upon recommendation of Marqaiha Welch, Procurement Manager, the Board of Water Commissioners for the City of Detroit, Water and Sewerage Department authorizes the Director to approve **DWSD Contract 6005120 for Project CS-1947 with M.E. Simpson, Inc. for Water Main Condition Assessment services for a total contract amount not-to-exceed \$400,000 and a term of one year.** This also authorizes the Director to take such other action as may be necessary to accomplish the intent of this vote.

### **BACKGROUND / JUSTIFICATION**

DWSD project No. CS-1947 is part of an ongoing condition assessment to prioritize water system improvements to City neighborhoods and select streets throughout the City of Detroit. The median age of the distribution water network within the City of Detroit ranges from eighty to one hundred years.

The water network is subject to the seasonal freeze-thaw cycle. The thermal stresses on the pipe and the varying soil loads act upon the piping until it ruptures. Also, chemistries of the native soils damage the pipe exterior and result in loss of pipe wall thickness. Additionally, water flow in the pipe erodes the interior of the pipe and dissolved oxygen in the water stream contributes to a build-up of rust within the pipe (the technical term is tuberculation).

The change in the pipe interior diameter and the disruption of smooth water flows consumes valuable energy from the water stream and manifests at the customer faucet as reduced water pressure and reduced flow. Classically, water main work was prioritized through the number of breaks in a pipe for areas of Detroit that are well populated. In contrast, the assessment of the water pipes across multiple neighborhoods allows DWSD to better prioritize water main replacement work and not be restricted to break histories and local populations. The initial step of a proactive water system improvement program is the performance of a condition assessment on the water assets in order to determine what improvements (e.g. water main lining, replacement, etc.) need to be performed.

Proposed Contract 6005120, for Project CS-1947, will continue the rehabilitation of water main to provide better services to citizens of Detroit and meet the needs of future City development.

Assessments will be performed in the following neighborhoods:

- Michigan-Martin
- Joy- Schaefer
- Greenfield-Grand River
- Harmony Village
- Davison-Schoolcraft
- Moross-Morang
- Grandmont#1

## **PROCUREMENT METHOD**

This procurement was competitively solicited through a Request for Proposals (RFP) per Requisition 501082, which was fully approved on 9/20/22. The RFP was advertised on the Michigan Inter-Governmental Trade Network (MITN) BidNet website for 42 calendar days (10/27/22 - 12/8/22). MITN published this opportunity to 504 companies and 34 firms downloaded the bid package.

The Engineer's Estimate for the project is \$900,000.

Two (2) proposals were received. Benesch, Inc. received equalization credit for being a certified Detroit Based Business.

<b>Bidder</b>	<b>Bid Total</b>	<b>Equalizations</b>	<b>Equal. Total</b>
M.E. Simpson, Inc.	\$294,187.84	N/A	\$294,187.84
Benesch, Inc.	\$1,489,869.20	DBB	\$1,460,071.82

The Proposals were first evaluated for responsiveness by the DWSD Procurement Department. M.E. Simpson and Benesch were both determined to be responsive.

The Evaluation Committee was comprised of a Water Design Assistant Manager, an Engineer, a Maintenance & Repair Manager, and the Finance Asset Manager. Evaluations were based on the following criteria:

- Ability to perform work
- Work plan & organization
- Staff Experience

- Pricing
- Local Economic Development
- Bona-fide Detroit Resident Participation

Each voting member of the Evaluation Committee independently reviewed, evaluated, and scored the two (2) responsive proposals based on the criteria listed above (pricing info was withheld until the technical portion was scored). The proposals were reviewed by the committee and there was no objection to their contents. Presentations were done by both Proposers further ensuring their understanding of the contract scope and requirements.

Procurement took the scores and tallied up the rankings based on the scores. Once that was finalized, the pricing information was opened, and the Proposers were scored on their pricing. Procurement then determined the highest ranked responsive and responsible Proposer based upon the total equalized scores.

Rank	Proposer	Score
1	M.E. Simpson	5170.00
2	Benesch	4437.71

The Evaluation Committee and Procurement recommended the highest-ranked responsive & responsible Proposer, M.E. Simpson be awarded Contract 6005120 (CS-1947) for a term of 1 year and a total not-to-exceed contract amount of \$400,000.

M.E. Simpson's clearances expire on 12/13/23 and the formal contract document has been routed to M.E. Simpson for review and signature.

## SUMMARY

- A. Contract No.: 6005120 / CS-1947
- B. Contractor: M.E. Simpson
- C. Contract Term: 3/27/23 - 3/26/24 (1 year)
- D. Contract Amount: \$400,000
- E. Anticipated FY Breakdown: FY 23-24: \$200,000  
FY 24-25: \$200,000
- F. Funding Source: O&M Funds
- G. GL String: 5721-20244-487711-617900-900352-30129-0000-000000 - 100% Water

This proposed amendment was presented to the BOWC Finance Subcommittee on March 1, 2023. Per DWSD procurement protocol, Mayoral Review will also be obtained.