

**Transmission Main Renewal and Corrosion Control**

**DEPARTMENT OF PUBLIC UTILITIES**

**Ordinance. No. 602-2026**

**Division of Water**

**Request for Legislation**

*An Ordinance authorizing Public Improvement and/or Professional Service contracts for the Division of Water to inspect, repair and replace transmission water mains, valves, and appurtenances from 2027 to 2031 and authorize cathodic protection improvements throughout the distribution system.*

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# **COUNCIL SUMMARY**

## **Transmission Main Renewal and Corrosion Control**

### **Background/Purpose:**

The Division of Water operates and maintains an extensive network of treatment plants, distribution mains, trunk mains, booster pump stations, elevated tanks, and ground-level storage. Strategic inspection, repair, replacement, and corrosion prevention are essential to maintaining system reliability.

Corrosion is a primary contributor to deterioration of steel and iron assets. To sustain reliability, the Division must mitigate corrosion throughout the distribution system and support both transmission main renewal efforts and the Corrosion Prevention and Control (CPC) program. This includes maintaining cathodic protection systems, coating systems, and performing evaluations, inspections, and repairs. These activities reduce long-term maintenance and operating costs.

### **Scope of Work/Commodities/Services:**

This legislation authorizes Public Improvement and/or Professional Service contracts to support:

- Inspection, repair, and replacement of transmission mains, valves, and appurtenances throughout the distribution system, including but not limited to replacing large valves.
- Cathodic protection (CP) improvements for systemwide infrastructure, including new installations, rehabilitation, and upgrades.
- Professional CP services including feasibility assessments, geotechnical evaluations, CP system design, and system inspections.
- Protective coating system services including coating design, application assistance, repairs, and inspection.

### **Justification/Urgency:**

Aging infrastructure remains a major concern. Transmission mains—primary arteries of the system—require ongoing inspection, repair, and replacement to prevent failures.

Additionally, cathodic protection and coatings are critical for extending asset life and preventing corrosion. Updated contracts allow the CPC program to monitor and document corrosion mitigation systems and access expertise needed for both current assets and facilities under construction.

### **Anticipated Costs and funding source:**

The cost of these projects is estimated as follows for a combined consolidated amount in excess of \$22.6M. This ordinance shall authorize both years of work.

The cost of the improvement and other authorized expenditures shall be paid from Fund 52, SF 001, and/or from the fund or sub fund to which are credited the proceeds of current and future bonds, if issued for this purpose, and other funding as approved by the Director of Finance.

• Transmission Main Renewal Program	\$12,000,000.00
• Phase II Cathodic Protection	\$2,500,000.00
• Phase III Cathodic Protection	\$5,600,000.00
• Little Met Transmission Main Liner	\$1,500,000.00
• Corrosion Engineering Services	\$1,000,000.00

### **Schedule or Term of Contract:**

## COUNCIL SUMMARY

### Transmission Main Renewal and Corrosion Control

The Transmission Main Renewal and Cathodic Protection program is planned for 2027 through 2031. Corrosion Engineering contracts are expected to occur over the next two years, supporting design, inspection, installation, maintenance, and repairs.

#### Current Contract(s):

<b>Vendor Information</b>	<b>Services/Work performed (current contract)</b>	<b>Contract Info</b>
CorrTech, Inc. 25 South Street Hopkinton, MA 01748	Cathodic Protection Improvements Phase I	Contract #: PIRC2024-0002 Awarded Amt: \$309,823.80
Terrace Construction 3965 Pearl Rd Cleveland, OH 44109	Large Valve Renewal Phase III	Contract #: PI2024-016 Awarded Amt: \$5,176,252.40
DRS Enterprises, Inc. 5339 Canal Road Garfield Heights, OH 44125	Transmission Main Corrosion Control I	Contract #: PI2025-005 Awarded Amt: \$4,516,175.99