

Division of Water

**Request for Legislation**

**An ordinance authorizing the Division of Water to enter into a Public Improvement contract to renew a 42-inch transmission main underneath the Cuyahoga River near Harvard Avenue.**

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**Background/Purpose:**

Trunk, or transmission, mains are the primary arteries of the Cleveland water system, delivering large volumes of water over long distances. CWD's large First High pressure district extends from the Lorain County Line to the Lake County Line, and its east side portion is connected to the west side portion via two large transmission mains that cross the Cuyahoga River. One is near the Harvard Denison Bridge, and the other is near East 71<sup>st</sup> Street in Cuyahoga Heights. These river crossing mains help provide a high degree of reliability to the distribution system.

Iron and steel pipe are subject to corrosion and other modes of failure. The 42-inch Harvard river crossing main, a steel pipe installed in 1925, has failed and needs to be renewed. The repair difficulty is compounded by the main being inside a tunnel deep under the Cuyahoga River.

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

This legislation would authorize CWD to enter into a Public Improvement Contract to renew the Harvard-Denison transmission main, including valves and related appurtenances.

**Justification/Urgency:**

The Harvard-Denison 42-inch main is a critical component of the CWD transmission system with a direct impact on reliability.

**Anticipated Costs and funding source:**

The cost of the work is estimated at \$8,500,000.00.

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.

**Schedule or Term of Contract:**

This Public Improvement contract has an estimated duration of two years.

Current Contract(s):

<b>Vendor Information</b>	<b>Services/Work performed</b>	<b>Contract Info</b>	<b>CSB Participation Goal 30% (OEO Actual %'s)</b>

Previous Contract(s):

<b>Vendor Information</b>	<b>Services/Work performed</b>	<b>Contract Info</b>	<b>CSB Participation Goal 30% (OEO Actual %s)</b>
Terrace Construction 3965 Pearl Rd Cleveland, OH 44109	Transmission Water Main Renewal Phase I	Contract #: PI2014-020 Awarded Amt: \$418,978.34	30.000%
Corrpro Companies 1055 W. Smith Rd Medina, OH 44256	Kirtland-Baldwin Raw Water Main Cathodic Protection System	Contract #: PI2011-026 Awarded Amt: \$602,237.14	12.007%
Piping and Corrosion Specialties 8371 Jumpers Hole Rd Millersville, MD 21108	Highland Rd. 54" Steel Transmission Main Cathodic Protection System	Contract #: PI2015-029 Awarded Amt: \$385,382.75	40.973%
Terrace Construction 3965 Pearl Rd Cleveland, OH 44109	Large Valve Renewal Phase I	Contract #: PI2014-028 Awarded Amt: \$3,131,732.18	30.020%