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**DEPARTMENT OF PUBLIC WORKS**


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TO: Utilities Committee

FROM: Mark Kilheffer, Staff Engineer 

SUBJECT: Edison Avenue River Crossing – Water Main repair

DATE: June 16, 2016

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An existing 12" cast-iron-pipe water main (circa 1920's) developed a significant leak on April 8, 2016. Properties adjacent to Olde Oneida St., N. Island St., Eagle Flats Parkway, & Lawe Street experienced substantial pressure loss until valves were isolated and the leak was determined to be on the water main in the Fox River between the west end of Edison Avenue and Water Street near the former Water Treatment Facility property. (See attached map.) An estimate of 3-4 million gallons of lost water per day was occurring. The main was isolated from the rest of the system and currently is not being used.

Department of Public Works sought four companies for quotes on making repairs to this section of water main. This work requires divers who are experienced in making pipe repairs. The request asked for a cost to 1) install a clamp, 2) cost to replace up to 20 lineal feet of main if the pipe has a substantial crack/split, and 3) date they could mobilize to make said repairs.

Of the four companies, two responded to the request for quotes.

Global Infrastructure out of Griffith, Indiana provided a quote of \$13,499.20 for installation of a clamp, and \$21,969.35 for pipe replacement. Start date was flexible for June, July, or in August of 2016 and take 3-5 days.

Ballard Marine, out of Neenah, Wisconsin provided a quote of \$5,685.00 for installation of a clamp, and \$13,660.00 for pipe replacement. Start date was early part of August of 2016, and take 2.5 to 5 days.

Based on the above quotes, the Department of Public Works hired Ballard Marine to repair the Edison Avenue River water main crossing.

Attachment

