



Legislation Text

File #: 2019-0581, **Version:** 1

Title

Crystal Tree Subdivision Water Main Lining Stage II - Proposal Award

History

Crystal Tree Subdivision was developed in the late 1980s. The ductile iron pipe water main that was installed during development was, and still is, the standard for water main installation in the village. However, in the late 1990s, manufacturers started recommending a polyvinyl wrap when installing a new water main to prevent corrosion to the exterior of the pipe. Crystal Tree Subdivision water main, having been installed prior to this change, has been prone to water main breaks due to deterioration of the exterior of the pipe.

Two different methodologies of rehabilitation have been explored: pipe replacement and cured in place structural slip lining. Both methods offer positive and negative attributes. In 2009 2,632 linear feet of water main in Crystal Tree was replaced with PVC pipe. That replacement was completed in advance of a homeowners association planned street rehabilitation project. After evaluation, it was later determined that cured in place structural slip lining proved to be a more cost-effective and less invasive option. Staff recommends the use of a structural liner with the service connection mechanically joined to the liner. This process eliminates reliance on the host pipe which continues to deteriorate.

Following a 2018 request for proposals and subsequent evaluation, the Board approved a contract with Fer-Pal Construction for phase one of the Crystal Tree water main lining. Currently, Fer-Pal is lining pipe on Lake Ridge Road, Golf Road, and a portion of Hollow Tree Road. A total of 2,555 linear feet of water main is being lined and fifty-nine (59) 1" services reinstated.

Based on available 2019 funding, a request for proposals was advertised on May 29, 2019 for phase two of the Crystal Tree water main lining. This second phase will complete the water main lining in the remaining townhome area of the subdivision where the majority of breaks have been. This area will include the completion of Hollow Tree Road, Hollow Tree Court, Golf Road, Pine Tree Drive, and Greenview Terrace. 217 vendors were notified through Bidnet. Twelve (12) companies downloaded the specifications. The proposal opening was conducted on June 7, 2019, and the village received one (1) proposal for consideration. Fer-Pal Construction USA LLC, of Elgin, Illinois submitted a proposal in the amount of \$922,722.50.

Staff recommends accepting the proposal submitted by Fer-Pal Construction USA, LLC of Elgin, Illinois for the Crystal Tree Water Main Lining phase two project in the amount of \$982,722.50 (\$922,722.50 plus \$60,000.00 contingency).

On August 5, 2019, this item was reviewed by the Public Works Committee and recommended for approval and referred to the Village Board of Trustees for consideration.

Financial Impact

Funds for this project are available from the water account rollover funds in the water capital account and additional funds budgeted in FY2019. The water capital account, 031-6002-470500 will be utilized for the funding.

Recommended Action/Motion

I move to approve accepting the proposal from Fer-Pal Construction USA, LLC, of Elgin, Illinois in the amount of \$982,722.50 (\$922,722.50 plus \$60,000.00 contingency).