



Rochelle Municipal Utilities

333 Lincoln Highway
P.O. Box 456
Rochelle, Illinois 61068
Tele: (815) 562-4155
Fax: (815) 562-5861

To: Edward Carr

From: Kathy Cooper

Date: March 21, 2011

Re: Lakeview Sewer Lining Bids

A \$350,000 Community Development Assistance Grant, known as CDAP, was secured to line the sanitary sewer system in Lakeview. The CDAP Grant is a matching fund grant, and the City must appropriate \$120,000 to receive \$350,000 in grant funds. The grant was pursued because the sewers in Lakeview area have many offsets and cracks and as a result, during wet weather conditions, we see significant inflow and infiltration into the lines. Lining of the existing pipe is a cost effective measure to rehabilitate aging sanitary sewer infrastructure and to reduce inflow and infiltration.

According to the Water Environment Research Foundation, on average 24% (range of 7% to 80%) of the I/I into a sewer system comes from private laterals. By definition in the City Code, laterals are considered to be customer responsibility and the City does not, as a rule, perform work on a customer's lateral. As a demonstration project, we decided to line those laterals that had broken connections at the main or had roots obstructing the flow, as this would be a major source of I/I.

In January 2010, The City Council approved an engineering agreement with Fehr-Graham to prepare the project documents. The project was submitted to DCEO, and in October 2010, the City received notice that the grant was awarded. Fehr-Graham then prepared the bid documents for the project. The project scope of the base bid was to line approximately 8000 feet of 8-inch sewer, 285 feet of 12-inch sewer, and to replace 12 brick sanitary manholes. The alternate bid was to install 20 cleanouts and then line the laterals.

Subsequent to the required public notice, bids were opened on March 16, 2011. Three bids were received, and Insituform of Brownsville, Wisconsin is the apparent low bidder for the base and alternate bid.

	<u>Base Bid</u>	<u>Alternate</u>	<u>Total</u>
Hoerr Construction, Peoria	\$386,684.75	\$142,900.00	\$529,584.75
Insituform, Brownsville, WI	\$387,638.90	\$124,628.50	\$512,267.40
Visu-Sewer, Pewaukee, WI	\$437,589.00	\$133,205.00	\$570,794.00
Engineer's Estimate	\$487,862.50	\$ 80,000.00	\$527,862.50

Terry Heitkamp and the RMU staff reviewed the bids and confirmed that Insituform of Brownsville, WI is the apparent qualified low bidder. Insituform lined a section of main on Fourth Avenue last year, and staff was very satisfied with their work.

The alternate bid item is for cleaning and lining twenty (20) sewer laterals, and to keep within budget, the scope of the alternate bid proposal was scaled back to install eight (8) cleanouts and line eight (8) laterals.

The project is scheduled to start in late April or early May, beginning with the manhole replacement. After completion of that work, the contractor will line the sewer main. Customers will be minimally inconvenienced with the work, and we plan to keep the residents informed of the work that will be occurring in their neighborhood.

I recommend that the City Council accept the lowest responsible bid from Insituform of Brownsville, WI for \$512,267.40. A change order reducing the number of laterals from twenty to eight will reduce the overall cost of the project to \$451,029.60.

Please put this on the Council Agenda for March 28, 2011.