



Legislation Details (With Text)

**File #:** 050380      **Version:** 0      **Name:** Purchase Order for Cured-In-Place Pipe Installation Gravity Sanitary Sewer Rehabilitation (B)

**Type:** Staff Recommendation      **Status:** Passed

**File created:** 9/12/2005      **In control:** General Manager for Utilities

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**Title:** Purchase Order for Cured-In-Place Pipe Installation Gravity Sanitary Sewer Rehabilitation (B)

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Date	Ver.	Action By	Action	Result
9/12/2005	0	City Commission	Approved as Recommended	Pass

Purchase Order for Cured-In-Place Pipe Installation Gravity Sanitary Sewer Rehabilitation (B)  
 The GRU Wastewater Collection Department performs television inspection of GRU's gravity sanitary sewer system to identify areas that may require rehabilitation. The inspection of the existing vitrified clay pipe (VCP) gravity sanitary sewers identified six different locations within GRU's sanitary sewer service area which require rehabilitation, including approximately 327 feet of 10-inch and 2677 feet of 8-inch diameter gravity sanitary sewer. Without rehabilitation, the gravity sanitary sewers are subject to internal corrosion, breaks, and groundwater infiltration.

Due to the depth, location, and environmental considerations associated with rehabilitating these gravity sanitary sewers, it is not economically feasible to replace the gravity sanitary sewer using conventional open trench techniques. A proven and cost effective alternative is a trenchless technology which rehabilitates the gravity sanitary sewer with a cured-in-place resin impregnated lining. The lining provides renewed structural integrity to the gravity sanitary sewer, thereby eliminating internal corrosion and preventing infiltration of groundwater into the gravity sanitary sewer. Groundwater infiltration can cause the gravity sanitary sewer to exceed its capacity which can lead to failure of the system. In addition, infiltration significantly reduces the capacity of GRU's wastewater collection system and waste water treatment plants and increases pumping and treatment costs.

This project is part of an on-going program to reduce infiltration and inflow within the wastewater collection system and demonstrates GRU's proactive approach to spill prevention. In addition to lining the gravity sanitary sewer, the Contractor will televise the gravity sanitary sewer, perform heavy cleaning of the gravity sanitary sewer and install temporary wastewater bypass pumps and above ground force main as may be required.

Invitations for Bids for the Installation of Cured-In-Place Pipe (CIPP) Project were sent by Utilities Purchasing to the only two known companies that perform this application, with both responding. A tabulation of the bids is attached for your information. The recommended approval amount includes approximately 15% contingency funding for discovered contingencies or if more work is identified upon cleaning of targeted pipes for staff to procure other materials, equipment and services as required to complete the project. Any such purchases will be made in accordance with the Purchasing policies.

The City Commission authorize the General Manager, or his designee, to issue a purchase order to Insituform Technologies, Inc. for installation of Cured-In-Place Pipe (CIPP) lining to rehabilitate 8 and 10-inch diameter gravity sanitary sewers in an amount not to exceed \$122,035.

Funding for this work is in the approved FY 2005 Water/Wastewater Systems budget  
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Submitted by: Michael L. Kurtz, General Manager