

Project Category:

Sewer Fund

Project Number and Title:

S1. Utility Truck

Effect on Operating Budget:

\$1,200 per year gas, oil, preventative maintenance

\$3,000 first year crane attachment and beacon lights

Estimated effect of completed project on operating budget

Increased revenue	N/A
Decreased operating expenses	N/A
Number of new positions	N/A
Additional salary costs	N/A
Additional other expenses	Preventative Maintenance
Net effect on annual operating budget	\$1,200 annually

Time Frame Analysis:

FY 2003

Relation to Other Projects:

None

Other Information:

None

Project Category: Utilities	Project Number and Title: S2. Sewer Main Inspection
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Total Estimated Cost	Appropriation To Date	UNAPPROPRIATED SUBSEQUENT YEARS					
		Year 1 FY 2003	Year 2 FY 2004	Year 3 FY 2005	Year 4 FY 2006	Year 5 FY 2007	BEYOND FY 2007
\$350,000		\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	

DESCRIPTION

Project Description:

To clean and videotape 130,000 feet of sewer mains. The older areas and areas with known problems would be targeted to be cleaned and video taped first to assess the current condition of the pipe. As problems are identified from the videos, these would be repaired using various sealing, grouting and lining techniques. Major repairs needing trenching and pipe replacement would be identified for future CIP projects.

Project Status:

Identified in FY 2002 CIP.

Project Justification:

This project is needed to identify possible sources of infiltration into the City sewer system and to help establish more accurate system blueprints. This should help identify cracks and breaks before they become major failures. Blueprints would show dimensions and laterals. Locating damaged lines is important because damaged lines leak raw sewage out and rain water/ground water in. This additional flow overloads City and HRSD pump stations.

COST ANALYSIS		FINANCING ANALYSIS	
ACTIVITY	AMOUNT	SOURCE	AMOUNT
Equipment	<u>\$350,000</u>	Sewer Fund Appropriation	<u>\$350,000</u>

Project Category:

Utilities

Project Number and Title:

S2. Sewer Main Inspection

Effect on Operating Budget:

Estimated effect of completed project on operating budget

Increased revenue	N/A
Decreased operating expenses	N/A
Number of new positions	N/A
Additional salary costs	N/A
Additional other expenses	N/A
Net effect on annual operating budget	N/A

Time Frame Analysis:

Ongoing project.

Relation to Other Projects:

None.

Other Information:

None.

Project Category: Sewer Fund	Project Number and Title: S3. Rehabilitation of Pump Station Projects #9, #13
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Total Estimated Cost	Appropriation To Date	UNAPPROPRIATED SUBSEQUENT YEARS					
		Year 1 FY 2003	Year 2 FY 2004	Year 3 FY 2005	Year 4 FY 2006	Year 5 FY 2007	BEYOND FY 2007
\$300,000		\$300,000					

DESCRIPTION

Project Description:

To rebuild pump stations #9 and #13 that have become worn with age. Rebuilding to include new pumps, motors, controls, relining of wet wells and replacing piping.

Project Status:

This project has been planned for years, but was excluded from the FY 2000 CIP because projects were to be completed during FY 2000. The project was delayed with staff priority given to sewer extension. There are funds in the amount of \$300,000 remaining from the sewer bond issue. Design of the rehabilitation projects has started.

Project Justification:

This project is needed to retain the reliability of the sewer system and to help reduce maintenance and operational costs.

COST ANALYSIS		FINANCING ANALYSIS	
ACTIVITY	AMOUNT	SOURCE	AMOUNT
Design	\$ 30,000	Bond Issue	<u>\$300,000</u>
Construction	<u>270,000</u>		
Total	<u>\$300,000</u>		

Project Category:

Sewer Fund

Project Number and Title:

S3. Rehabilitation of Pump Station Projects #9, #13

Effect on Operating Budget:

Estimated effect of completed project on operating budget

Increased revenue	N/A
Decreased operating expenses	N/A
Number of new positions	N/A
Additional salary costs	N/A
Additional other expenses	N/A
Net effect on annual operating budget	N/A

Time Frame Analysis:

Project Schedule

Design Projects:	January 2002
Bid Construction:	July 2002
Construction Start:	September 2002
Construction Completion:	March 2003

Relation to Other Projects:

None

Other Information:

None

Project Category: Sewer Fund	Project Number and Title: S4. Pump Station Rehabilitation Projects
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Total Estimated Cost	Appropriation To Date	UNAPPROPRIATED SUBSEQUENT YEARS					
		Year 1 FY 2003	Year 2 FY 2004	Year 3 FY 2005	Year 4 FY 2006	Year 5 FY 2007	BEYOND FY 2007
\$570,000		\$570,000					
DESCRIPTION							

Project Description:

This would rehabilitate Pump Stations #5 - Wythe Creek Road, #7 - Little Florida Road, #8 - Poquoson Avenue, #10 - Ridge Road, and #11 - North Cedar Road. Work would include new pumps, shelters, controls, piping and relining of wet wells.

Project Status:

The projects were originally part of the rehabilitation projects that were identified in the 1994 bond issue and that were to be completed in FY 2000. The rehabilitation projects cost more than originally projected and the bond funds that were allocated to the project were used for other rehabilitation projects. The project has been moved from FY 2002 to FY 2003.

Project Justification:

Due to the age of these pump stations (approximately 30 years) the mechanical systems have become worn and the wet wells show signs of hydrogen sulfate attack.

COST ANALYSIS		FINANCING ANALYSIS	
ACTIVITY	AMOUNT	SOURCE	AMOUNT
Design	\$44,000	Sewer Fund Debt Issue FY 2003	<u>\$ 570,000</u>
Construction	440,000		
Mobilization	22,000		
Contingency	<u>64,000</u>		
Total	<u>\$570,000</u>	Debt issuances in the Sewer Fund would be necessary to pay for projects.	

Project Category:

Sewer Fund

Project Number and Title:

S4. Pump Station Rehabilitation Projects

Effect on Operating Budget:

Estimated effect of completed project on operating budget

Increased revenue	N/A
Decreased operating expenses	N/A
Number of new positions	N/A
Additional salary costs	N/A
Additional other expenses	N/A
Net effect on annual operating budget	N/A

Time Frame Analysis:

Project Schedule

Design Projects:	July 1, 2002
Bid Construction:	September 1, 2002
Construction Start:	December 1, 2002
Construction Completion:	August 1, 2003

Relation to Other Projects:

Completion of sewer rehabilitation projects started in 1995.

Other Information:

None