

Rule of Thumb –

Sewer Trunk Mains

Sewer trunk mains were designed to last 50 years!

- Our sewer trunk mains that carry sewage from the middle of our city to the Wastewater Treatment Plant (WWTP) are comprised of concrete pipe and corrugated metal piping..
- With approximately 10 miles or so of neighborhood mains in the O'Fallon system, the need is to replace or line about 1/50th (0.20 miles or 1,000 ft) of the system per year.
- Average cost around \$200 per foot dependent upon location, most pipe is in riparian areas or near stream banks.
- At \$200 per foot, replacement or lining (if possible) would be about \$200,000 per year.

No repairs or maintenance have been done to the trunk mains since they were put in the ground in 1968 – 41 years ago.

We know from an extensive inspection in 2005 that many sections of the trunk mains need replaced or lined.

Rule of Thumb –

Wastewater Treatment Plant (WWTP) Upgrade

WWTP needs to be upgraded in 15 years!

- In 1997, when the plant was last upgraded, it was anticipated that the upgrade would get the City through the next 15 years.
- Cost of upgrade in 1997 was \$7,600,000.
- WWTP Upgrade should begin no later than 2012, estimated cost is about \$30,000,000 in 2008 dollars.
- Assuming the build out of the 2012 era upgrade will take 10 years, the set aside since 1997 should have been about \$1,200,000 per year to cover design and construction based on **\$30,000,000**.

Funding spent and/or shortfall of funding for Upgrades at the WWTP:

- **CY 2008 - \$239,600 Shortfall - \$960,400**
- **CY 2007 - \$31,200 Shortfall - \$1,168,800**
- **CY 2006 - \$65,800 Shortfall - \$1,134,200**
- **CY 2005 - \$6,000 Shortfall - \$1,194,000**
- **CY 2004 - \$4,400 Shortfall – \$1,195,600**
- **CY 2003 - \$0 Shortfall – \$1,200,000**
- **For CYs 2002 to 1998 no significant amount was recorded on an upgrade of the facility, nor was any funding set aside for a future upgrade.**

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