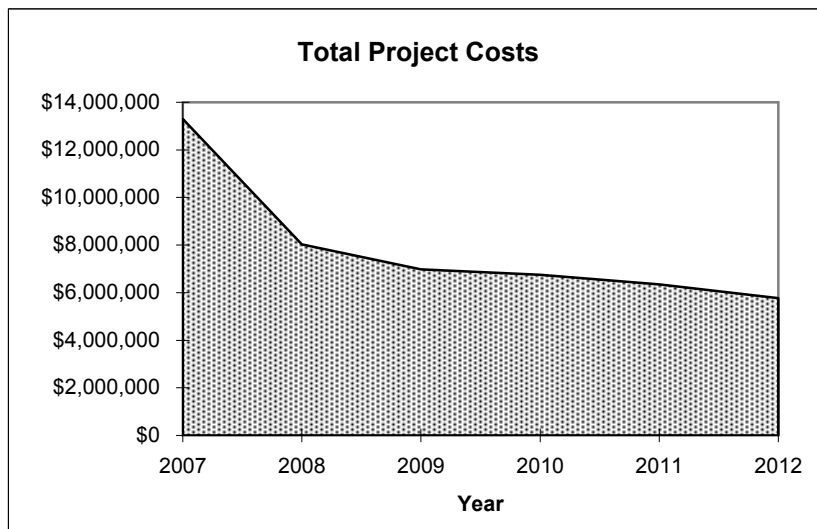


2007 Capital Budget Capital Improvement Program

Agency Name: **Sewer Utility**

Agency Number: **54**

| Project Name | Future Year Estimates | | | | | |
|---------------------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| 1 State Street Replacements - Phase 3 | \$ 400,000 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 2 In-Place Sewer Rehabilitations | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 |
| 3 Additions To Collection System | 725,000 | 725,000 | 250,000 | 250,000 | 250,000 | 250,000 |
| 4 Lift Station Rehabilitations | 125,000 | 325,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 5 Improvements In Sewer Study Areas | 200,000 | 200,000 | 200,000 | 0 | 0 | 0 |
| 6 Sewer With Reconstructed Streets | 5,464,485 | 5,035,515 | 4,500,000 | 4,500,000 | 4,500,000 | 4,500,000 |
| 7 Lead Service Replacements | 600,000 | 600,000 | 600,000 | 600,000 | 600,000 | 0 |
| 8 Hoard Area Sewer Replacements | 0 | 325,000 | 0 | 325,000 | 0 | 0 |
| 9 East Washington Avenue Sanitary | 1,575,000 | 25,000 | 500,000 | 100,000 | 0 | 0 |
| 10 Felland Area Sewer Extension | 475,000 | 0 | 0 | 0 | 0 | 0 |
| 11 Lower Badger Mill Creek | 2,975,000 | 0 | 0 | 0 | 0 | 0 |
| 12 Replacement Vehicles & Equipment | 380,000 | 500,000 | 525,000 | 575,000 | 600,000 | 625,000 |
| 13 ESB Garage - Energy Efficiency | 18,000 | 0 | 0 | 0 | 0 | 0 |
| 14 Trenchless Point Repair System | 65,000 | 0 | 0 | 0 | 0 | 0 |
| Total | \$ 13,302,485 | \$ 8,035,515 | \$ 6,975,000 | \$ 6,750,000 | \$ 6,350,000 | \$ 5,775,000 |



Capital Budget

Sewer Utility

State Street Replacements - Phase 3 Project No. 1 Acct. No. 0

GO \$ 0 This project is for the replacement of the existing sewer mains in the 500 and 600 Blocks of
Other 400,000 State Street. The project began in 2004 and is anticipated to be concluded in 2007 with the
\$ 400,000 reconstruction of the 500 and 600 Blocks of State Street and adjacent streets.

In-Place Sewer Rehabilitations Project No. 2 Acct. No. 810503

GO \$ 0 This project will rehabilitate failing sewers that meet certain criteria that does not necessitate
Other 300,000 the need for a complete replacement by means of open cutting. New technology allows the
\$ 300,000 lining of existing sewer mains using cameras and remote controlled tools. Some are also
rehabilitated (or lined) to address inflow and infiltration problems, where clear water flow
enters the sewer system reducing pipe capacity and increasing treatment costs. The main
line item will repair approx 1.5 miles of sewer main at a number of locations.

Additions To Collection System Project No. 3 Acct. No. 810335

GO \$ 0 This project is for construction of assessable sewer facilities for new development, including
Other 725,000 easement acquisition where applicable. Potential projects include the Siggelkow Road
\$ 725,000 Proposed Plat (design and acquisitions in 2007, construction 2008); future phases of the
Center for Industry & Commerce Plat and / or Interstate Commerce Park (\$100,000);
Elderberry Neighborhood Extension (\$375,000); and / or the Pumpkin Hollow Sewer
Interceptor Extension (\$375,000). These additions to the collection system will be
coordinated with the progress of private development. The Utilities costs will be recovered by
impact fees and / or special assessments. The challenge is to provide sewer facilities that
allows for development yet avoid over capitalization too far in advance of development.

Lift Station Rehabilitations Project No. 4 Acct. No. 810334

GO \$ 0 This project is for capitalized repair and rehabilitation of the Utilities 29 wastewater lift stations
Other 125,000 (LS). Repair and rehabilitation planned for 2007 include the installation of telemetry
\$ 125,000 equipment at the Lois Lowry LS and the Debs Road LS; a fan replacement at Fremont LS;
design work at the Gettle Avenue LS, which is planned for a major electrical and mechanical
upgrade in 2008 and the de-commissioning of the Nelson Road and Hawks Woods Lift
Stations in 2008 (\$25,000 each); and unanticipated major repairs and equipment
replacement.

Improvements In Sewer Study Areas Project No. 5 Acct. No. 810333

GO \$ 0 This project is for the continuing work on Inflow and Infiltration problems in specific areas. A
Other 200,000 specific project is the sewer line relining and manhole rehabilitation in the Truax area to
\$ 200,000 reduce clear water inflow and infiltration. These facilities were installed with the US Army Air
Force construction at Truax Field early in the 1940s.

Sewer With Reconstructed Streets Project No. **6** Acct. No. 810332

GO \$ 0
Other 5,464,485
\$ 5,464,485

This project involves replacement of older, problematic sanitary sewers in conjunction with street reconstruction projects and street resurfacing. The work provides for the replacement of 6 inch diameter clay sewers, which are difficult to maintain and sewers nearing the end of their service life or determined to have a significant repair cost. Since 1997, the Utility has encouraged residents to replace the portion of their sewer lateral that lies within the public right-of-way by offering to pay for 75% of the cost. All 6 inch mains under 'reconstruction' streets will be replaced. Sewers beneath resurfaced streets are evaluated for replacement on a case-by-case basis. This work is coordinated with the Street Reconstruction and water main replacement priorities.

Lead Service Replacements Project No. **7** Acct. No. 810331

GO \$ 0
Other 600,000
\$ 600,000

The City has embarked upon a program to replace existing water services that were installed using lead pipe. The goal of the program and a requirement of the stipulation executed by the City with the Wisconsin Department of Resources is to replace all lead services within 10 years commencing in 2001. This requires the replacement of approximately 650 - 660 services per year at an estimated average cost to the property owner of \$1,400 per service of which one-half the cost (up to \$1,000) is rebated by the City. The benefit of this program to the Utility is the avoidance of placing phosphates in the drinking water supply which would then have to be removed during wastewater treatment. The total program costs are also offset by revenue from rental of space on the water towers.

Hoard Area Sewer Replacements Project No. **8** Acct. No. 810329

GO \$ 0
Other 0
\$ 0

In 1993 and again in 1996, residents residing in several blocks centering around Hoard and Kedzie Streets, suffered sanitary sewerage flooding into their basements. The City performed a detailed study to seek solutions to lessen the chance of future flooding. Implementation of the corrective action began with the replacement of the sewer interceptor on Johnson Street in 1997. Funding is requested in 2008 and 2010 for further work. Included streets are E Johnson from North Lawn to E Washington, E Washington from E Johnson to Oak, Oak from E Washington to Hoard, and Hoard from Oak to Street End. The budget requests under this item are only for sanitary sewer related costs. Street and Storm Sewer costs are budgeted separately. Replacements on East Washington will occur with that project in 2007. This budget provides for funding for further replacement.

East Washington Avenue Sanitary Project No. **9** Acct. No. 810330

GO \$ 0
Other 1,575,000
\$ 1,575,000

This project is the replacement of existing, aged sanitary sewer facilities in the East Washington Avenue street right-of-way and some adjoining side streets, in conjunction with a major street reconstruction project, over several years. It is anticipated that the project shall consist of a few sewer main abandonments and many main replacements. Design work was completed in 2006 for Phase 4 (Segment 3), with construction to start in 2007. Remaining phases are preliminarily identified in future years. Cost estimates shall be refined in future budgets as engineering work progresses.

Felland Area Sewer ExtensionProject No. **10** Acct. No. 810548

GO \$ 0
 Other 475,000
\$ 475,000

This project will acquire necessary easements and extend sanitary sewer service to the North of the Felland Neighborhood, and to Nelson Road. This will provide service to this developing area North of Burke Road and both East and West of Felland. This will also relieve the Nelson Road Lift Station which is nearing capacity and precluding further development. It is anticipated that an Impact Fee District shall be established to recover the costs of this project. The cost recovery shall occur over time as development occurs with pro-rata payments indexed to the Construction Cost Index. The land acquisitions and construction shall be linked with extension of an interim drainage system to also serve the area (budgeted separately). Design and the acquisition process began in 2006. Construction is budgeted with this item for 2007.

Lower Badger Mill CreekProject No. **11** Acct. No. 810550

GO \$ 0
 Other 2,975,000
\$ 2,975,000

This project shall extend sanitary sewer service to the Lower Badger Mill Creek Watershed, from a proposed lift station at Mid Town Road to just North of Mineral Point Road. Final plans were completed in 2006, and property acquisitions were begun. Lift station design will overlap into 2007. Construction of the interceptor is dependent on the property owner support and documentation of the development investments.

Replacement Vehicles & EquipmentProject No. **12** Acct. No. 810323

GO \$ 0
 Other 380,000
\$ 380,000

This project is for the replacement of existing vehicles and equipment which have exceeded their useful life. Vehicles proposed for replacement include #1256 (2001 Ford Focus Station Wagon), 1851 (2000 Ford Explorer), 2002 and 2003 (2002 GMC Sierra pick up trucks), 2098 (1999 Chevrolet Silverado pick up truck), 2702 (2001 Chevrolet S10 4WD pick up truck), 3910 (1994 Freightliner Tandem dump truck), and 3116 (2001 Vactor Combination Sewer Cleaning Module mounted on Sterling LT9500 Chassis). Life cycle cost analysis and fuel efficiency are important considerations in the specification of replacement vehicles. Cost represents Sewer Utility portion only.

ESB Garage - Energy EfficiencyProject No. **13** Acct. No. 0

GO \$ 0
 Other 18,000
\$ 18,000

This project is to perform energy saving improvements to the Engineering Service Garage. Improvements including: replacement of existing High Pressure Sodium light fixtures with T-5 or Super T-8 high-bay fluorescent fixtures operated by occupancy sensors; and replacement of exterior pedestrian metal doors and frames. Cost represents Sewer Utility portion only.

Trenchless Point Repair SystemProject No. **14** Acct. No. 0

GO \$ 0
 Other 65,000
\$ 65,000

This project would provide the equipment and training necessary for Engineering crews to perform trenchless repairs to sanitary sewer mains. This method of construction is less disruptive to residents and traffic as it does not require any excavation.

Other funding may derived from Sewer Utility reserves, revenue bonds, or special assessments.

**2007
Capital Budget
Summary**

Agency Name: Sewer Utility

Agency Number: 54

| Project Name | Agency Request | CIRC | Executive | Executive | | |
|---------------------------------------|----------------------|----------------------|----------------------|-------------|----------------------|----------------------|
| | | | | G.O. Debt | Other Funding | Total |
| 1 State Street Replacements - Phase 3 | \$ 400,000 | \$ 400,000 | \$ 400,000 | \$ 0 | \$ 400,000 | \$ 400,000 |
| 2 In-Place Sewer Rehabilitations | 300,000 | 300,000 | 300,000 | 0 | 300,000 | 300,000 |
| 3 Additions To Collection System | 725,000 | 725,000 | 725,000 | 0 | 725,000 | 725,000 |
| 4 Lift Station Rehabilitations | 125,000 | 125,000 | 125,000 | 0 | 125,000 | 125,000 |
| 5 Improvements In Sewer Study Areas | 200,000 | 200,000 | 200,000 | 0 | 200,000 | 200,000 |
| 6 Sewer With Reconstructed Streets | 6,000,000 | 5,464,485 | 5,464,485 | 0 | 5,464,485 | 5,464,485 |
| 7 Lead Service Replacements | 600,000 | 600,000 | 600,000 | 0 | 600,000 | 600,000 |
| 8 Hoard Area Sewer Replacements | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 East Washington Avenue Sanitary | 1,575,000 | 1,575,000 | 1,575,000 | 0 | 1,575,000 | 1,575,000 |
| 10 Felland Area Sewer Extension | 475,000 | 475,000 | 475,000 | 0 | 475,000 | 475,000 |
| 11 Lower Badger Mill Creek | 2,975,000 | 2,975,000 | 2,975,000 | 0 | 2,975,000 | 2,975,000 |
| 12 Replacement Vehicles & Equipment | 380,000 | 380,000 | 380,000 | 0 | 380,000 | 380,000 |
| 13 ESB Garage - Energy Efficiency | 18,000 | 18,000 | 18,000 | 0 | 18,000 | 18,000 |
| 14 Trenchless Point Repair System | 65,000 | 65,000 | 65,000 | 0 | 65,000 | 65,000 |
| Total | \$ 13,838,000 | \$ 13,302,485 | \$ 13,302,485 | \$ 0 | \$ 13,302,485 | \$ 13,302,485 |