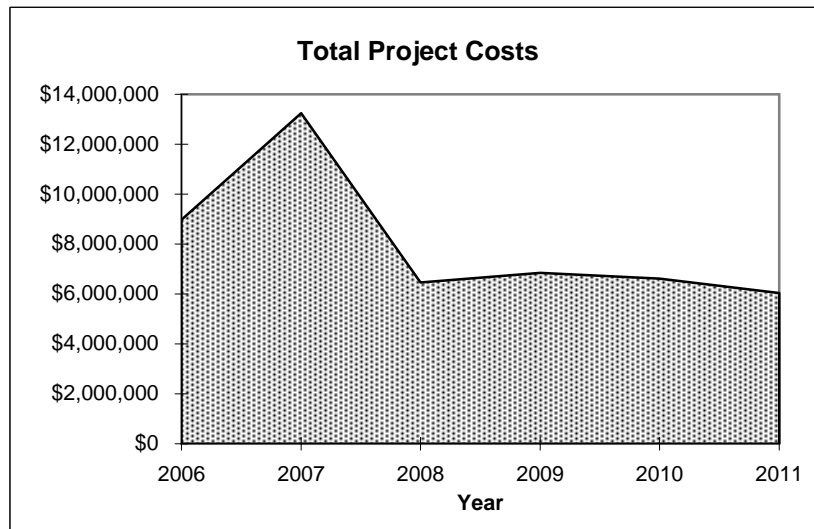


2006 Capital Budget Capital Improvement Program

Agency Name: **Sewer Utility**

Agency Number: 54

Project Name	Capital Budget	Future Year Estimates				
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
1 Field Operations Vehicle & Equip.	\$ 370,000	\$ 495,000	\$ 425,000	\$ 525,000	\$ 550,000	\$ 550,000
2 State Street Replacements	375,000	400,000	0	0	0	0
3 In-Place Sewer Rehabilitations	300,000	300,000	300,000	300,000	300,000	300,000
4 Hudson Park/Lake Monona-Phase 2	250,000	0	0	0	0	0
5 Additions To Collection System	820,000	500,000	500,000	500,000	500,000	500,000
6 Lift Station Rehabilitations	82,500	50,000	125,000	125,000	375,000	100,000
7 Improvements to Sewer Study Areas	200,000	200,000	200,000	200,000	200,000	200,000
8 Sewer with Reconstructed Streets	3,775,000	3,905,000	4,025,000	4,145,000	4,265,000	4,385,000
9 Lead Sewer Replacements	504,840	519,985	535,585	551,652	0	0
10 Hoard Area Sewer Replacements	0	0	325,000	0	325,000	0
11 E. Washington Ave. San. Sewer Repl.	1,550,000	1,025,000	25,000	500,000	100,000	0
12 Felland Area Sewer Ext. to Nelson Rd.	120,000	492,500	0	0	0	0
13 Lower Badger Mill Creek Sewer Ext.	500,000	5,350,000	0	0	0	0
14 Furnishings and Equipment	123,000	0	0	0	0	0
Total	\$ 8,970,340	\$ 13,237,485	\$ 6,460,585	\$ 6,846,652	\$ 6,615,000	\$ 6,035,000



Capital Budget

Sewer Utility

Field Operations Vehicle & Equip. Project No. 1 Acct. No. 810323

GO \$ 0 This project is for the replacement of vehicles and equipment which have exceeded their
Other 370,000 useful life. Some items scheduled to be replaced include #7816, a forklift purchased in 1991;
\$ 370,000 #2638, the TV equipped van for doing TV work in sanitary and storm sewers; #3114, a 1997
Vactor; #2939, 2940, 2 Heavy duty pick up trucks. These items will also have funding from
Stormwater Utility and Landfill capital budgets.

State Street Replacements Project No. 2 Acct. No. 810284

GO \$ 0 This item is shown separately for budget purposes, as it is a multi-year, multi-phase project.
Other 375,000 Also, replacement unit costs are much higher due to the nature of the construction, methods
\$ 375,000 required, and allowable time to complete the work. The project began in 2004 and continues
through 2007. The schedule calls for the 300 & 400 blocks in 2006, and the 500 & 600
blocks in 2007.

In-Place Sewer Rehabilitations Project No. 3 Acct. No. 810503

GO \$ 0 This project shall rehabilitate failing sewers that meet certain criteria that do not necessitate
Other 300,000 the need for a complete replacement by means of open cutting. New technology allows
\$ 300,000 greater lengths of sewer at a much lower cost under this program, and postpones indefinitely
the need to make a full replacement of these sewers. Some are also rehabilitated (or lined)
to address inflow and infiltration problems, where clear water flow enters the sewer system,
stealing capacity and increasing treatment costs. This item includes \$50,000 for smaller
'point' repairs and \$250,000 for main lines rehabilitation. The main line item will repair
approximately 1.5 miles of sewer main, on a prioritized basis. To replace an equivalent
amount of sewer with conventional construction practices would cost \$1,000,000.

Hudson Park/Lake Monona-Phase 2 Project No. 4 Acct. No. 810336

GO \$ 0 This project is a continuation of a project begun in 2005 to repair and/or replace an aged,
Other 250,000 leaking sewer along the Lake Monona Shoreline. Phase 1 rerouted a large portion of the
\$ 250,000 sewer to Olbrich Gardens. Phase 2 shall reline with incidental open cut work, the remainder
of the problem sewer along the lakeshore, extending approximately from Miller Avenue to
Schurz Avenue (approx 1700 LF). As the existing sewer is beneath the lake bed, the actual
construction will need to properly address the risks of environmental damage.

Additions To Collection System Project No. 5 Acct. No. 810335

GO \$ 0 This project is for construction of assessable sewer facilities for new development, including
Other 820,000 easement acquisition where applicable. Potential projects include the Siggelkow Road
\$ 820,000 Proposed Plat (design and acquisitions in 2006, construction 2007); Hawks Ridge Estates
(construction 2006); future phases of the Center for Industry & Commerce Plat; South High
Point Road (\$75,000); and the Elderberry Neighborhood 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 special assessments.

Lift Station RehabilitationsProject No. **6** Acct. No. 810334

GO \$ 0
 Other 82,500
\$ 82,500

This project is for capitalized repair and rehabilitation of the Utility's 28 wastewater lift stations (LS). Repair and rehabilitation planned for 2006 include the installation of telemetry 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 2010 and the de-commissioning of the Nelson Road and Hawks Landing Lift Stations in 2008 (\$25,000 each); and a budget of \$50,000 for contingencies.

Improvements to Sewer Study AreasProject No. **7** Acct. No. 810333

GO \$ 0
 Other 200,000
\$ 200,000

This project is for the continuing work on inflow and infiltration problems in specific areas. The major project is the sewer line relining and manhole rehabilitation in the Truax area to reduce clear water inflow and infiltration.

Sewer with Reconstructed StreetsProject No. **8** Acct. No. 810332

GO \$ 0
 Other 3,775,000
\$ 3,775,000

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.

Lead Sewer ReplacementsProject No. **9** Acct. No. 810331

GO \$ 0
 Other 504,840
\$ 504,840

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 Natural 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 then have to be removed during wastewater treatment.

Hoard Area Sewer ReplacementsProject No. **10** Acct. No. 810329

GO \$ 0
 Other 0
\$ 0

In 1993 and again in 1996, residents in this area (several blocks centering around Hoard at Kedzie) suffered sanitary sewerage flooding into their basements. Subsequently, the City performed a detailed study to seek solutions to lessen the chance of future flooding. Implementation for this area began with the replacement of the sewer interceptor on Johnson Street in 1997. This is for Phase 4. 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 Wash will likely occur with that project in 2007. Others are deferred until streets are closer to the end of their design life.

E. Washington Ave. San. Sewer Repl. Project No. **11** Acct. No. 810370

GO	\$	0	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 proposed 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 2005 for Phase 3 (Segment 2), with construction to start in 2006. Subsequent phases are preliminarily identified in future years. Cost estimates shall be refined in future budgets as engineering work progresses.
Other		<u>1,550,000</u>	
	\$	<u>1,550,000</u>	

Felland Area Sewer Ext. to Nelson Rd. Project No. **12** Acct. No. 810548

GO	\$	0	This project shall acquire necessary easements and extend sanitary sewer service to the North of the Felland Neighborhood and to Nelson Road. This shall provide service to the 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. 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 acquisition shall occur in 2006 with construction in 2007.
Other		<u>120,000</u>	
	\$	<u>120,000</u>	

Lower Badger Mill Creek Sewer Ext. Project No. **13** Acct. No. 810550

GO	\$	0	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. Preliminary plans were completed in 2005. The budget reflects Lift Station design and easement acquisitions in 2006, along with establishment of an Impact Fee District. This shall be followed by construction in 2007.
Other		<u>500,000</u>	
	\$	<u>500,000</u>	

Furnishings and Equipment Project No. **14** Acct. No. 810322

GO	\$	0	This project is for the furnishings needed for the expanded Engineering Services Building.
Other		<u>123,000</u>	
	\$	<u>123,000</u>	

Unless otherwise specified, other funding is derived from Sewer Utility revenue bonds.

**2006
Capital Budget
Summary**

Agency Name: **Sewer Utility**

Agency Number: 54

Project Name	Agency Request	CIRC	Executive	Adopted		
				G.O. Debt	Other Funding	Total
1 Field Operations Vehicle & Equip.	\$ 370,000	\$ 370,000	\$ 370,000	\$ 0	\$ 370,000	\$ 370,000
2 State Street Replacements	375,000	375,000	375,000	0	375,000	375,000
3 In-Place Sewer Rehabilitations	300,000	300,000	300,000	0	300,000	300,000
4 Hudson Park/Lake Monona-Phase 2	250,000	250,000	250,000	0	250,000	250,000
5 Additions To Collection System	820,000	820,000	820,000	0	820,000	820,000
6 Lift Station Rehabilitations	82,500	82,500	82,500	0	82,500	82,500
7 Improvements to Sewer Study Areas	200,000	200,000	200,000	0	200,000	200,000
8 Sewer with Reconstructed Streets	3,775,000	3,775,000	3,775,000	0	3,775,000	3,775,000
9 Lead Sewer Replacements	504,840	504,840	504,840	0	504,840	504,840
10 Hoard Area Sewer Replacements	0	0	0	0	0	0
11 E. Washington Ave. San. Sewer Repl.	1,550,000	1,550,000	1,550,000	0	1,550,000	1,550,000
12 Felland Area Sewer Ext. to Nelson Rd.	120,000	120,000	120,000	0	120,000	120,000
13 Lower Badger Mill Creek Sewer Ext.	500,000	500,000	500,000	0	500,000	500,000
14 Furnishings and Equipment	123,000	123,000	123,000	0	123,000	123,000
Total	<u>\$ 8,970,340</u>	<u>\$ 8,970,340</u>	<u>\$ 8,970,340</u>	<u>\$ 0</u>	<u>\$ 8,970,340</u>	<u>\$ 8,970,340</u>