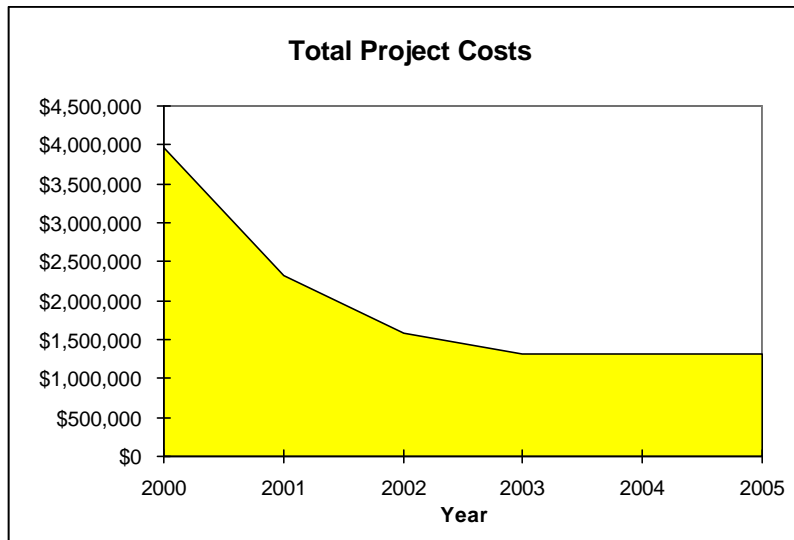


**2000
Capital Budget
Capital Improvement Program**

Agency Name: **Sewer Utility**

Agency Number: 54

Project Name	Future Year Estimates					
	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
1 Replace '90 Chevy 4WD Blazer	\$ 23,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2 Dump Truck with Plow	36,000	0	0	0	0	0
3 Utility Service Van	40,000	0	0	0	0	0
4 Sewer Rodder	62,000	0	0	0	0	0
5 Television Inspection System	140,000	0	0	0	0	0
6 Survey Van	25,000	0	0	0	0	0
7 Westside Industrial Park Sewer	625,000	0	0	0	0	0
8 Sewer with Reconstructed Streets	600,000	0	0	0	0	0
9 Northeast Industrial Park Sewer	500,000	0	0	0	0	0
10 Improvements to Sewer Study Areas	250,000	250,000	250,000	250,000	250,000	250,000
11 Lift Station Rehabilitation	211,000	175,000	175,000	175,000	175,000	175,000
12 Added Collection & Conveyance	750,000	750,000	750,000	750,000	750,000	750,000
13 West Johnson Street Sewer Replace	50,000	750,000	0	0	0	0
14 Pennito Creek Sewer Re-line	100,000	0	0	0	0	0
15 Other Major Sewer Repairs	150,000	150,000	150,000	150,000	150,000	150,000
16 Articulating 4wd Tractor	72,000	0	0	0	0	0
17 Hoard Street Sewer Replacements	325,000	250,000	250,000	0	0	0
Total	\$ 3,959,000	\$ 2,325,000	\$ 1,575,000	\$ 1,325,000	\$ 1,325,000	\$ 1,325,000



Capital Budget

Sewer Utility

Replace '90 Chevy 4WD Blazer Project No. 1 Fund No. ES01 / 810054
(B) \$ 0 Replacement of the vehicle of the Principal Engineer in charge of construction with a new,
(O) 23,000 similar type vehicle.
\$ 23,000

Dump Truck with Plow Project No. 2 Fund No. ES01 / 810054
(B) \$ 0 One ton 4x4 dump truck with plow, replaces vehicle #2905. (\$15,000 approximate trade-in
(O) 36,000 value.)
\$ 36,000

Utility Service Van Project No. 3 Fund No. ES01 / 810054
(B) \$ 0 The heavy duty utility van will replace a light duty utility van currently used by Sewer Repair
(O) 40,000 Leadworkers for various sewer repairs City wide. The new utility van will be able to carry the
\$ 40,000 necessary supplies, tools and equipment used for sewer repair work.

Sewer Rodder Project No. 4 Fund No. ES01 / 810054
(B) \$ 0 The new rodder will replace vehicle #3307.
(O) 62,000
\$ 62,000

Television Inspection System Project No. 5 Fund No. ES01 / 810054
(B) \$ 0 Closed circuit television (CCTV) inspection system for inspection of City of Madison storm
(O) 140,000 and sanitary sewer systems. The system includes a high cube van with the closed circuit
\$ 140,000 camera and all equipment necessary to inspect sewer systems from 6" diameter to 54"
diameter pipes.

Survey Van Project No. 6 Fund No. ES01 / 810054
(B) \$ 0 Funding for a heavy duty passenger van.
(O) 25,000
\$ 25,000

Westside Industrial Park Sewer Project No. 7 Fund No. ES01 / 810054
(B) \$ 0 This project includes a sanitary sewer lift station, force main, and gravity interceptor, from a
(O) 625,000 point west of South Point Road to Mineral Point Road at Highway 'M'. This collection system
\$ 625,000 would serve a proposed industrial park as well as a future Streets Division maintenance yard.
The cost of the system will be repaid to the Sewer Utility by the benefiting properties as they
connect, or from a future Tax Incremental Financing District. Alternatively, this project could
become a City Sewer Interceptor (gravity) to the south to serve this area at another Regional
Pump Station Facility near Hawk's Landing.

Sewer with Reconstructed Streets Project No. **8** Fund No. ES01 / 810054

- (B) \$ 0 This project involves replacement of older, problematic sanitary sewers in conjunction with street reconstruction projects and street resurfacing. This is primarily replacement of 6 inch diameter sewers, which are not installed as mains using today's standards. Replacement of these sewers is best done when the street is being reconstructed, to save on cost and inconvenience to the public. Additionally, the City encourages residents to replace the portion of their sewer lateral that lies within the public right-of-way. This is done by offering to pay for 75% of the replacement cost in accordance with a new policy adopted by the City in 1997. All 6 inch mains under 'reconstruction' streets will be replaced. Those 6 inch mains under 'resurfaced' streets are evaluated on a case-by-case basis.
- (C) 600,000
\$ 600,000

Northeast Industrial Park Sewer Project No. **9** Fund No. ES01 / 810054

- (B) \$ 0 This project would finance a gravity sanitary sewer interceptor, from an MMSD sewer located at the Northeast corner of Truax Airport near Highway 51 and Messerschmidt Road, to the North approximately one half mile to Hanson Road midway between Highway 51 and Portage Road (through wet/poor soil conditions). This collection system would serve a proposed Industrial Park as well as other potential future development. The cost of the system will be repaid to the Sewer Utility by the benefiting properties as they connect, or from a potential Tax Incremental Financing District.
- (C) 500,000
\$ 500,000

Improvements to Sewer Study Areas Project No. **10** Fund No. ES01 / 810054

- (B) \$ 0 In 1996, the City identified 6 areas of concern in relation to the sanitary sewer system as a result of the flooding in June of 1996. Since that time, engineering studies have been ongoing to determine recommendations to improve the sewer systems of these areas. This item would begin implementing construction phases of recommended improvements on a systematic, prioritized basis. The project with the greatest potential for design and construction in 2000 is the installation of a separate lift station at Olbrich Park to serve the Johns Street sewer flooding area.
- (C) 250,000
\$ 250,000

Lift Station Rehabilitation Project No. **11** Fund No. ES01 / 810054

- (B) \$ 0 This project is for necessary capital improvements to any of the City's 27 public sewerage lift stations. These stations need periodic improvements beyond the normal operating maintenance expenditures. These improvements reduce operating costs, improve efficiency, or bring the station into compliance with present standards for design, safety, and operation. Project work is proposed for: Fremont Pump Station Wetwell; miscellaneous electrical upgrades as recommended by MMSD staff; and telemetry upgrades at 12 stations to replace the radio transmitters (\$36,000). Also budgeted under this item is the elimination of a pump station at 3498 Lancaster Drive by installing a new sewer main to relieve the pumping area and abandoning the lift station (which may be completed in 1999).
- (C) 211,000
\$ 211,000

Added Collection & Conveyance Project No. 12 Fund No. ES01 / 810054

- (B) \$ 0 This project finances assessable sewer facilities for development and / or services. Most projects cannot be well predicted in advance as they are driven by development pressures.
- (C) 750,000 Potential projects include: extension up Midtown Road from Elver Park to West of High Point Road from the East and up Midtown to the East from Highway 'M'; another Interceptor may be required to serve developing areas of the Sprecher Road Neighborhood (Hovde Annexation); interceptor to various phases of the Marsh Road Neighborhood; or a potential Interceptor (and lift station & force main) to serve the Western most portion of Hawks Landing and/or extending sewer to the North through the Hawks Landing Golf Course; and other smaller extensions that may arise.
- \$ 750,000

West Johnson Street Sewer Replace Project No. 13 Fund No. ES01 / 810054

- (B) \$ 0 This project involves the replacement of existing, aged sewer facilities in the West Johnson Street right-of-way, in conjunction with a proposed major street reconstruction project. It is anticipated that the sewer portion of the project shall be designed in 2000, with construction the following year.
- (C) 50,000
- \$ 50,000

Pennito Creek Sewer Re-line Project No. 14 Fund No. ES01 / 810054

- (B) \$ 0 This project is to re-line an existing 12 inch vitrified clay pipe gravity sewer interceptor. This pipe collapsed in 1999 causing an emergency sewer repair. Upon repair and further investigation, it was determined that the pipe joints were allowing considerable infiltration - allowing ground water into the sewer system and leaving the pipe vulnerable to soil migration and / or collapse. Re-lining of the sewer is a cost effective repair for a problem of this type.
- (C) 100,000
- \$ 100,000

Other Major Sewer Repairs Project No. 15 Fund No. ES01 / 810054

- (B) \$ 0 This project is for urgent and emergency type repairs that are separate from new extensions or accompanying street construction. These projects arise on very short notice and are unpredictable from year to year.
- (C) 150,000
- \$ 150,000

Articulating 4wd Tractor Project No. 16 Fund No. ES01 / 810054

- (B) \$ 0 Articulating 4wd tractor with attachments for snowplowing, removal, pressure washer, and salt/sand spreader.
- (C) 72,000
- \$ 72,000

Hoard Street Sewer Replacements Project No. **17** Fund No. ES01 / 810054

- (B) \$ 0 This project involves replacement of all sanitary and storm sewers on Hoard Street from
(C) 325,000 Kedzie to Starkweather Creek. In 1993 and again in 1996, residents in this area (several
\$ 325,000 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 (1997). Further recommendations (prioritized) include
replacement of both the storm and sanitary sewers identified with this project, as the poor
condition of both facilities allows the storm sewer to 'leak' into the sanitary during rainfall
events. Replacement of both facilities will necessitate replacement of the street in its entirety.
Future phases will replace similar problem lines in the following areas: Kedzie from Hoard to
Fairfield; Fairfield from Kedzie to Maywood; Dayton from North to Kedzie; Kedzie from East
Lawn Court to East Washington. Total cost is split equally between storm and sanitary
budgets.

Note: Other funding for Sewer Utility capital projects is derived from Sewer Utility revenues.

**2000
Capital Budget
Summary**

Agency Name: **Sewer Utility**

Agency Number: **54**

Project Name	Agency Request	CIRC	Executive	Adopted		
				G.O. Debt	Other Funding	Total
1 Replace '90 Chevy 4WD Blazer	\$ 23,000	\$ 23,000	\$ 23,000	\$ 0	\$ 23,000	\$ 23,000
2 Dump Truck with Plow	36,000	36,000	36,000	0	36,000	36,000
3 Utility Service Van	40,000	40,000	40,000	0	40,000	40,000
4 Sewer Rodder	62,000	62,000	62,000	0	62,000	62,000
5 Television Inspection System	140,000	140,000	140,000	0	140,000	140,000
6 Survey Van	25,000	25,000	25,000	0	25,000	25,000
7 Westside Industrial Park Sewer	625,000	625,000	625,000	0	625,000	625,000
8 Sewer with Reconstructed Streets	600,000	600,000	600,000	0	600,000	600,000
9 Northeast Industrial Park Sewer	500,000	500,000	500,000	0	500,000	500,000
10 Improvements to Sewer Study Areas	250,000	250,000	250,000	0	250,000	250,000
11 Lift Station Rehabilitation	211,000	211,000	211,000	0	211,000	211,000
12 Added Collection & Conveyance	750,000	750,000	750,000	0	750,000	750,000
13 West Johnson Street Sewer Replace	50,000	50,000	50,000	0	50,000	50,000
14 Pennito Creek Sewer Re-line	100,000	100,000	100,000	0	100,000	100,000
15 Other Major Sewer Repairs	150,000	150,000	150,000	0	150,000	150,000
16 Articulating 4wd Tractor	72,000	72,000	72,000	0	72,000	72,000
17 Hoard Street Sewer Replacements	325,000	325,000	325,000	0	325,000	325,000
Total	<u>\$ 3,959,000</u>	<u>\$ 3,959,000</u>	<u>\$ 3,959,000</u>	<u>\$ 0</u>	<u>\$ 3,959,000</u>	<u>\$ 3,959,000</u>