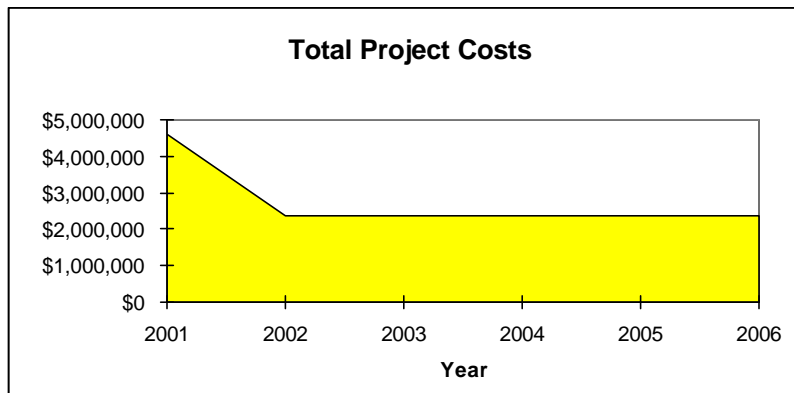


**2001
Capital Budget
Capital Improvement Program**

Agency Name: **Sewer Utility**

Agency Number: 54

| Project Name | Capital Budget | Future Year Estimates | | | | |
|--|---------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|
| | <u>2001</u> | <u>2002</u> | <u>2003</u> | <u>2004</u> | <u>2005</u> | <u>2006</u> |
| 1 Sewer with Reconstructed Streets | \$ 1,550,000 | \$ 1,550,000 | \$ 1,550,000 | \$ 1,550,000 | \$ 1,550,000 | \$ 1,550,000 |
| 2 Improvements to Sewer Study Areas | 0 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 |
| 3 Lift Station Rehabilitation | 75,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| 4 Added Collection & Conveyance | 375,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 |
| 5 Other Major Sewer Repairs | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 |
| 6 Replace '92 Ford 4WD Explorer | 25,000 | 0 | 0 | 0 | 0 | 0 |
| 7 Dump Trucks w/Plows | 75,000 | 0 | 0 | 0 | 0 | 0 |
| 8 Sewer Rodder | 60,000 | 0 | 0 | 0 | 0 | 0 |
| 9 Video Pipeline Inspection Equipment | 45,000 | 0 | 0 | 0 | 0 | 0 |
| 10 Software | 15,000 | 0 | 0 | 0 | 0 | 0 |
| 11 Building Improvements | 75,000 | 0 | 0 | 0 | 0 | 0 |
| 12 San. Access Struct. Inspect. Camera | 15,000 | 0 | 0 | 0 | 0 | 0 |
| 13 6" Self-Priming Cent. Trash Pump | 35,000 | 0 | 0 | 0 | 0 | 0 |
| 14 Time Tracking Hardware & Software | 10,000 | 0 | 0 | 0 | 0 | 0 |
| 15 Spec. San. Sewer Cleaning Attach. | 20,000 | 0 | 0 | 0 | 0 | 0 |
| 16 Bobcat Attachments | 15,000 | 0 | 0 | 0 | 0 | 0 |
| 17 Vactor with Chassis | 300,000 | 0 | 0 | 0 | 0 | 0 |
| 18 Westside Industrial Park Sewer | 625,000 | 0 | 0 | 0 | 0 | 0 |
| 19 Northeast Industrial Park Sewer | 500,000 | 0 | 0 | 0 | 0 | 0 |
| 20 West Johnson St. Sewer Replacement | 150,000 | 0 | 0 | 0 | 0 | 0 |
| 21 Pennito Creek Sewer Re-line | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 22 Hoard Street Sewer Replacements | 325,000 | 0 | 0 | 0 | 0 | 0 |
| 23 Buckeye Road Sewer Relay | 75,000 | 0 | 0 | 0 | 0 | 0 |
| Total | <u>\$ 4,615,000</u> | <u>\$ 2,350,000</u> | <u>\$ 2,350,000</u> | <u>\$ 2,350,000</u> | <u>\$ 2,350,000</u> | <u>\$ 2,350,000</u> |



Capital Budget

Sewer Utility

Sewer with Reconstructed Streets Project No. 1 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.
- (O) 1,550,000
- \$ 1,550,000

Improvements to Sewer Study Areas Project No. 2 Fund No.

- (B) \$ 0 In 1996, the City identified six 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 is the installation of a separate lift station at Olbrich Park to serve the Johns Street sewer flooding area.
- (O) 0
- \$ 0

Lift Station Rehabilitation Project No. 3 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 the Fremont Pump Station Wetwell design investigation. No other projects are proposed for 2001, but a \$50,000 item is shown for contingency - emergency. Minor station upgrades by Madison Metropolitan Sewerage District (MMSD) are covered by the Operating Budget.
- (O) 75,000
- \$ 75,000

Added Collection & Conveyance Project No. 4 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. Potential projects include: extension up Midtown Road 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 areas West of Highway 'M' in and around Hawks Landing and/or extending sewer to the North through the Hawks Landing Golf Course; and other smaller extensions that may arise.
- (O) 375,000
- \$ 375,000

Other Major Sewer Repairs

Project No. **5** Fund No. ES01 / 810054

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

Replace '92 Ford 4WD Explorer

Project No. **6** Fund No. ES01 / 810054

(B) \$ 0 Replacement for vehicle #1840.
(C) 25,000
\$ 25,000

Dump Trucks w/Plows

Project No. **7** Fund No. ES01 / 810054

(B) \$ 0 Two (2) one-ton dump trucks with plows.
(C) 75,000
\$ 75,000

Sewer Rodder

Project No. **8** Fund No. ES01 / 810054

(B) \$ 0 New rodder to replace vehicle #3308.
(C) 60,000
\$ 60,000

Video Pipeline Inspection Equipment

Project No. **9** Fund No. ES01 / 810054

(B) \$ 0 4WD large steerable tractor with lighthouse for camera.
(C) 45,000
\$ 45,000

Software

Project No. **10** Fund No. ES01 / 810054

(B) \$ 0 Purchase of integrated asset management, call tracking and work order processing software.
(C) 15,000
\$ 15,000

Building Improvements

Project No. **11** Fund No. ES01 / 810054

(B) \$ 0 Various building improvements including renovating women's restroom/locker room and
(C) 75,000 adjoining hallway area; removing overhead door between training room and garage;
\$ 75,000 providing access to washrack from garage interior.

San. Access Struct. Inspect. Camera

Project No. **12** Fund No. ES01 / 810054

(B) \$ 0 Sanitary Access Structure camera and video recorder.
(C) 15,000
\$ 15,000

6" Self-Priming Cent. Trash Pump

Project No. **13** Fund No. ES01 / 810054

(B) \$ 0 6" Self-Priming Centrifugal Trash Pump.
(O) 35,000
\$ 35,000

Time Tracking Hardware & Software

Project No. **14** Fund No. ES01 / 810054

(B) \$ 0 Hardware and software to collect employee time and attendance data.
(O) 10,000
\$ 10,000

Spec. San. Sewer Cleaning Attach.

Project No. **15** Fund No. ES01 / 810054

(B) \$ 0 Replacement and additional nozzles and cutters for use with sewer cleaning equipment.
(O) 20,000
\$ 20,000

Bobcat Attachments

Project No. **16** Fund No. ES01 / 810054

(B) \$ 0 Various attachments for bobcats including angle broom, shears, small breaker and hydraulic regulator.
(O) 15,000
\$ 15,000

Vector with Chassis

Project No. **17** Fund No. ES01 / 810054

(B) \$ 0 New vector w/chassis to replace Vehicle #3112.
(O) 300,000
\$ 300,000

Westside Industrial Park Sewer

Project No. **18** Fund No. ES01 / 810054

(B) \$ 0 This project would finance a sanitary sewer lift station, force main, and gravity interceptor from a point West of South Point Road to Mineral Point Road at Highway 'M'. This collection system would serve a proposed Industrial Park as well as a future Streets Division maintenance yard. The cost of the system would be repaid to the Sewer Utility by the benefiting properties as they connect or from a future Tax Incremental Financing District.
(O) 625,000
\$ 625,000

Northeast Industrial Park Sewer

Project No. **19** 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 or poor soil conditions). This collection system would serve a proposed Industrial Park as well as other potential future development. The cost of the system would be repaid to the Sewer Utility by the benefiting properties as they connect, or from a potential Tax Incremental Financing District.
(O) 500,000
\$ 500,000

West Johnson St. Sewer Replacement Project No. **20** Fund No. ES01 / 810054

- (B) \$ 0 This project is the replacement of existing, aged sewer facilities in the West Johnson Street
- (C) 150,000 right-of-way, in conjunction with a proposed major street reconstruction project. It is
- \$ 150,000 anticipated that the project may consist of a 'crossover' pipe rather than a more lengthy and costly main replacement.

Pennito Creek Sewer Re-line Project No. **21** Fund No. ES01 / 810054

- (B) \$ 0 This project is to re-line an existing 12 inch vitrified clay pipe gravity sewer interceptor. This
- (C) 100,000 pipe collapsed in 1999 causing an emergency sewer repair. Upon repair and further
- \$ 100,000 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.

Hoard Street Sewer Replacements Project No. **22** Fund No. ES01 / 810054

- (B) \$ 0 This project shall replace all sanitary and storm sewers on Hoard Street from Kedzie to
- (C) 325,000 Starkweather Creek. In 1993 and again in 1996, residents in this area (several blocks
- \$ 325,000 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 shall replace similar problem lines on the following: 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.

Buckeye Road Sewer Relay Project No. **23** Fund No. ES01 / 810054

- (B) \$ 0 Relay approximately 580 feet of sanitary sewer on Buckeye Road, from Highway 51 east to
- (C) 75,000 the Railroad tracks. This project is in coordination with the State-let reconstruction of
- \$ 75,000 Buckeye Road in 2001. Additionally it will improve flow problems, by lowering this line and diverting it directly into a MMSD line at the tracks rather than its present flow to the north, and eventually coming back to the same point.

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

**2001
Capital Budget
Summary**

Agency Name: Sewer Utility

Agency Number: 54

| Project Name | Agency Request | CIRC | Executive | Adopted | | |
|--|---------------------|---------------------|---------------------|-------------|---------------------|---------------------|
| | | | | G.O. Debt | Other Funding | Total |
| 1 Sewer with Reconstructed Streets | \$ 1,550,000 | \$ 1,550,000 | \$ 1,550,000 | \$ 0 | \$ 1,550,000 | \$ 1,550,000 |
| 2 Improvements to Sewer Study Areas | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Lift Station Rehabilitation | 75,000 | 75,000 | 75,000 | 0 | 75,000 | 75,000 |
| 4 Added Collection & Conveyance | 375,000 | 375,000 | 375,000 | 0 | 375,000 | 375,000 |
| 5 Other Major Sewer Repairs | 150,000 | 150,000 | 150,000 | 0 | 150,000 | 150,000 |
| 6 Replace '92 Ford 4WD Explorer | 25,000 | 25,000 | 25,000 | 0 | 25,000 | 25,000 |
| 7 Dump Trucks w/Plows | 75,000 | 75,000 | 75,000 | 0 | 75,000 | 75,000 |
| 8 Sewer Rodder | 60,000 | 60,000 | 60,000 | 0 | 60,000 | 60,000 |
| 9 Video Pipeline Inspection Equipment | 45,000 | 45,000 | 45,000 | 0 | 45,000 | 45,000 |
| 10 Software | 15,000 | 15,000 | 15,000 | 0 | 15,000 | 15,000 |
| 11 Building Improvements | 75,000 | 75,000 | 75,000 | 0 | 75,000 | 75,000 |
| 12 San. Access Struct. Inspect. Camera | 15,000 | 15,000 | 15,000 | 0 | 15,000 | 15,000 |
| 13 6" Self-Priming Cent. Trash Pump | 35,000 | 35,000 | 35,000 | 0 | 35,000 | 35,000 |
| 14 Time Tracking Hardware & Software | 10,000 | 10,000 | 10,000 | 0 | 10,000 | 10,000 |
| 15 Spec. San. Sewer Cleaning Attach. | 20,000 | 20,000 | 20,000 | 0 | 20,000 | 20,000 |
| 16 Bobcat Attachments | 15,000 | 15,000 | 15,000 | 0 | 15,000 | 15,000 |
| 17 Vactor with Chassis | 300,000 | 300,000 | 300,000 | 0 | 300,000 | 300,000 |
| 18 Westside Industrial Park Sewer | 625,000 | 625,000 | 625,000 | 0 | 625,000 | 625,000 |
| 19 Northeast Industrial Park Sewer | 500,000 | 500,000 | 500,000 | 0 | 500,000 | 500,000 |
| 20 West Johnson St. Sewer Replacement | 150,000 | 150,000 | 150,000 | 0 | 150,000 | 150,000 |
| 21 Pennito Creek Sewer Re-line | 100,000 | 100,000 | 100,000 | 0 | 100,000 | 100,000 |
| 22 Hoard Street Sewer Replacements | 325,000 | 325,000 | 325,000 | 0 | 325,000 | 325,000 |
| 23 Buckeye Road Sewer Relay | 75,000 | 75,000 | 75,000 | 0 | 75,000 | 75,000 |
| Total | <u>\$ 4,615,000</u> | <u>\$ 4,615,000</u> | <u>\$ 4,615,000</u> | <u>\$ 0</u> | <u>\$ 4,615,000</u> | <u>\$ 4,615,000</u> |