



APPENDIX II

CAPITAL IMPROVEMENT

PROGRAM

Capital Improvement Program Summary

Introduction

The Administration and Finance departments are pleased to present the Capital Improvement Program (CIP) for the years 2018 through 2023. This CIP reflects the City's assessment of community needs and the ability to pay for major improvements, and is guided by the belief that reinvestment for replacement, maintenance or increased efficiency of existing systems shall have priority over expansion of existing systems or the provision of new services. All City departments have participated in the preparation of the CIP, including identifying major public improvements needed to serve existing development or to support future growth, projecting the timing of necessary replacements, establishing when replacements and improvements should be provided, and determining how to finance capital costs.

Capital spending decisions for the six-year CIP are generally made according to the following funding priorities, and reflect the City's efforts to allocate the City's limited resources to projects:

1. Contribute to the public health and welfare
2. Maintain an existing system
3. Improve efficiency of an existing system
4. Expand or add a system or service
5. Expand, renovate or add public facilities/parks

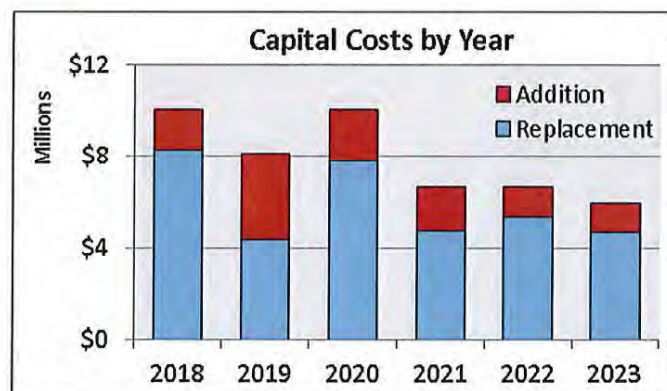
Although the CIP represents a tentative commitment to proceed with planned projects in the future, the commitment is more certain in early years and becomes increasingly more tenuous in subsequent years. Regardless, the CIP represents the City's present plan and priority for capital spending, and provides a framework for projected tax levies and utility rates.

Infrastructure Replacement Planning

Because Shoreview is more than 96 percent developed, replacement costs account for the majority of capital spending. Over the next six years, approximately 74 percent of costs are for repair, rehabilitation or reconstruction projects.

The City's Comprehensive Infrastructure Replacement Plan (CHIRP) and Policy ensure that capital replacement planning is a routine part of the annual budget process by requiring a comprehensive and integrated

examination of the impact of capital replacement costs on inter fund charges, user fees (including utility rates) and tax levies. In addition, the policy directs that the City avoid assessing property owners more than once for any given facility because the City is viewed as being primarily responsible for the payment of replacement and rehabilitation costs. The maximum cost to be assessed is limited to the cost of added improvements plus a proportionate share of project engineering and administrative costs.



Debt Issuance

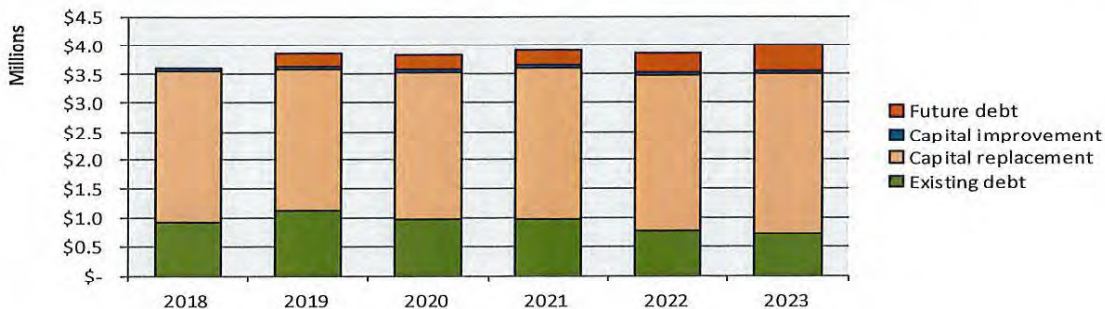
Proposed debt issuance over the next six years is \$18.5 million, in comparison to project costs of \$47.5 million (39 percent of project costs). This favorable indicator is possible due to long-term financial planning efforts, described on the previous page, which require the identification of resources and funding mechanisms well in advance of capital needs. It also should be noted that the majority of debt issuance is for utility systems, and therefore does not impact tax levies.

| Description | 2018 | 2020 | 2022 | 2023 |
|------------------------------------|-------------|--------------|--------------|------------|
| GO Improvement Bonds (assmts) | \$ 448,866 | \$ 538,040 | \$ 441,080 | \$ 32,000 |
| GO Street Improvement Bonds | 3,000,000 | - | 2,500,000 | - |
| GO Water Bonds | 1,331,000 | 1,610,000 | 1,383,000 | 175,000 |
| GO Sewer Bonds | 615,000 | 2,080,000 | 1,170,000 | 24,000 |
| GO Surface Water Bonds | 1,145,600 | 1,151,960 | 622,320 | 230,000 |
| Estimated Total Debt Issued | \$6,540,466 | \$ 5,380,000 | \$ 6,116,400 | \$ 461,000 |
| 2018 debt issued for 2016 projects | (119,466) | - | - | - |
| Total debt proceeds | 6,421,000 | 5,380,000 | 6,116,400 | 461,000 |

Capital and Debt Levies

Capital and debt levies necessary to support planned projects in this CIP are projected to have an average annual impact of .9 percent on the total tax levy. The City has maintained this low level through setting aside General Fund operating surpluses in recent years. These surpluses are being used to buy down the annual debt levy, in an effort to smooth out temporary fluctuations in the tax levy and ease the impact on property owners.

| Description | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Capital Repl-Street Renewal | \$ 1,124,000 | \$ 941,000 | \$ 1,012,000 | \$ 1,088,000 | \$ 1,168,000 | \$ 1,253,000 |
| Capital Repl-Gen Fixed Asset Repl. | 1,525,000 | 1,530,000 | 1,535,000 | 1,540,000 | 1,545,000 | 1,550,000 |
| Capital Acquisition (IT) | 40,000 | 40,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Existing Debt-Central Garage | 184,000 | 184,000 | 184,000 | 184,000 | 184,000 | 184,000 |
| Existing Debt-Debt funds | 683,000 | 877,000 | 746,000 | 744,000 | 531,000 | 524,000 |
| Existing Debt-General fund contrib | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | - |
| Future Debt-Debt funds | - | 250,000 | 250,000 | 250,000 | 340,000 | 455,000 |
| Total Capital and Debt Levies | \$3,606,000 | \$3,872,000 | \$3,827,000 | \$3,906,000 | \$3,868,000 | \$4,016,000 |
| Change in Debt Levy | \$ 136,000 | \$ 444,000 | \$ (131,000) | \$ (2,000) | \$ (123,000) | \$ 58,000 |
| Change in Capital Levy | \$ 72,516 | \$ (178,000) | \$ 86,000 | \$ 81,000 | \$ 85,000 | \$ 90,000 |



Collector Streets

MSA streets are typically City streets with higher traffic volumes. The City may designate up to 20 percent of local streets as MSA routes, and the routes are subject to certain State design requirements. The CIP contains 5 projects that use MSA funding over the next six years.

- Participation in Ramsey County's Rice Street/I-694 Interchange reconstruction is planned for 2019
- Reconstruction of Owasso Boulevard North is planned for 2020
- Participation in Ramsey County's reconstruction of Lexington Avenue between I-694 and County Road E is planned for 2020
- Participation in Ramsey County's reconstruction of Highway 49 between Highway 96 and Gramsie Road is planned for 2021
- Reconstruction of Hamline Avenue from the north junction of County Road I to Lexington Avenue is planned for 2023

Street Improvements

In 2006 the City Council changed the course of the City's street renewal program by utilizing street bonds for large-scale rehabilitation of City streets. This change enabled the City to simultaneously direct street renewal dollars toward reconstruction of substandard street segments (and reconstruct all substandard streets by 2021) while maintaining street condition ratings and preserving pavement condition through pavement strategies such as full depth reclamation. The City sold \$2.4 million of street rehabilitation bonds in 2013; the next street bonds are planned for 2018 and 2022. The following street reconstruction projects are planned over the next six years.

- Rehabilitation of selected City Streets based on the pavement condition as determined by the City's Pavement Management Program is planned for 2018 and 2022
- Bridge/Lion Neighborhood (2018) – Complete reconstruction of streets, installation of curb and gutter, storm water systems, and the installation of water main services to Dale Court N & S
- Wabasso Neighborhood (2019) – Complete reconstruction of streets, installation of curb and gutter, storm water systems, and street lights and repairs of water mains and sewer lines
- Edgetown Acres, Schutta/Lois/Hillview (2020 and 2021) – Complete reconstruction of streets, installation of curb and gutter, storm water systems, street lights and repairs of water mains and sewer lines

Park Improvements

Park improvements include replacement costs, renovations and facility additions/expansions. Major projects planned over the next six years include:

Community Investment Fund supported:

- Commons Park – Commons master plan in 2019 (\$2,750,000)
- McCullough Park – park renovation in 2020 (\$700,000)
- Sitzer Park – replace park building, including restrooms in 2021 (\$750,000)
- Shamrock Park – park renovation in 2022 (\$750,000)

General Fixed Asset Replacement Fund supported:

- Ponds Park – playground replacement in 2018 (\$55,000)
- Commons Park – skate park replacement in 2019 (\$175,000), playground replacement in 2019 (\$90,000)
- Rice Creek Park – playground replacement in 2020 (\$65,000), replace fencing in 2021 (\$60,000)
- Bucher Park – replace fencing in 2019 (\$55,000)
- McCullough Park – playground replacement in 2020 (\$125,000)
- Shamrock Park – playground replacement in 2022 (\$130,000)
- Lake Judy Park – playground replacement in 2022 (\$100,000)
- Theisen Park – pavement rehabilitation in 2016 (\$110,000)
- City Hall/Community Center – sealcoat parking lot in 2018 (\$50,000)

Trail Rehabilitation

The trail improvement program continues to use rehabilitation strategies that include replacing certain segments of trail, as well as resurfacing of trails with a slurry seal. This seal coat system has proven to be a very cost effective method to extend the life of the trail system.

Municipal Buildings

Municipal buildings include repair/replacement items for the community center/city hall, and fire stations as well as facility additions/expansions. Major items include:

Cable Television Fund supported:

- Council chamber improvements in 2018 (\$50,000)
- Replace AV and security equipment for expansion project in 2018 (\$300,000)

Community Investment Fund supported:

- Annual allowance of \$50,000 per year for improvements to the Community Center facility
- Indoor playground expansion in 2018 (\$200,000)
- Furnishings for expansion project in 2018 (\$225,000)

General Fixed Asset Replacement Fund supported:

- Repaint pool ceiling in 2018 (\$85,000)
- Replace movable walls in Community Room in 2020 (\$90,000)
- Replace waterslide in 2022 (\$203,000)
- Replace lockers in pool locker rooms in 2023 (\$179,000)
- Replace zero beach feature in 2023 (\$100,000)

Utility Improvements

There are several planned improvements to the City's utility systems in the next six years, major utility system improvements include:

- A storm water reuse system to irrigate Rice Creek fields in 2018 (\$365,000)
- Well motor and electrical upgrades in 2018 (\$125,000)
- Installation of water mains to connect dead-ends on Chatsworth Street and Lexington Avenue in 2018 (\$240,000)
- Well motor and electrical upgrades in 2019 (\$125,000)
- Installation of water mains to connect dead-ends on County Road E in 2019 (\$240,000)
- Sanitary sewer rehabilitation (including pipe relining) in 2019 and 2022 (\$950,000) and (\$471,000)
- Allowance for rehabilitation and replacement of various storm water collection systems throughout the City in 2020 (\$320,000)
- North tower interior wet/dry rehabilitation and surface recoating in 2022 (\$700,000)
- Well motor and electrical upgrades in 2022 (\$135,000)
- Installation of water mains and services to properties on St. Albans Court in 2022 (\$450,000)
- Allowance for rehabilitation and replacement of various storm water collection systems throughout the City in 2023 (\$230,000)
- Well motor and electrical upgrades in 2023 (\$135,000)
- Annual sanitary sewer lift stations repairs
- Street Light replacements over the next six years to address a growing number of street light outages occurring for lighting originally installed in the 1970s and early 1980s.

Major Equipment

Most of the equipment costs identified in this section of the CIP are for the replacement of existing equipment. Major items include:

- Rescue vehicle in 2018 (\$120,900), Chief's vehicle in 2019 (\$39,593), utility and Chief's vehicle in 2020 (\$128,960), Chief's vehicle in 2021 (\$62,000), engine ladder in 2022 (\$465,000), rescue vehicle in 2023 (\$139,500)
- Warning siren replacements
- Computer system replacements and improvements
- Community Center rehabilitation costs include pool deck rehabilitation in 2018 (\$200,000), generator replacement in 2018 (\$1,000,000), boiler replacements in 2018 (\$130,000), there is also an annual allowance for mechanical equipment and other building replacements
- Central garage equipment

Ongoing Capital Project Fund Cash Flows

Funding for capital costs is provided by operating funds, ongoing capital funds and other sources. For operating funds, planned revenue sources in the operating budget are allocated to capital costs according to the Capital Improvement Plan as each project is approved by the City Council. Because ongoing capital project funds (which also provide funding for projects) do not appear in the operating budget, cash flow projections for these funds are provided on the next few pages.

MSA Fund

The summary of MSA Fund activity provided in the table below shows that projected MSA receipts will be sufficient to cover project costs through the year 2022 with a deficit in 2023 as a result of the Hamline Avenue Reconstruction project.

| MSA Fund Capital Projections | Estimated 2017 | Projected 2018 | Projected 2019 | Projected 2020 | Projected 2021 | Projected 2022 | Projected 2023 |
|---------------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|
| Revenue | | | | | | | |
| Intergovt (MSA allocation) | \$ 715,783 | \$ 715,783 | \$ 715,783 | \$ 715,783 | \$ 715,783 | \$ 715,783 | \$ 715,783 |
| Investment interest | 6,000 | 7,000 | 2,000 | - | 1,000 | 1,500 | 2,000 |
| Total Revenues | \$ 721,783 | \$ 722,783 | \$ 717,783 | \$ 715,783 | \$ 716,783 | \$ 717,283 | \$ 717,783 |
| Expense | | | | | | | |
| MSA Street Rehabilitation | 950,000 | - | - | - | - | - | - |
| Rice Street/I-694 Interchange | - | - | 420,000 | - | - | - | - |
| Highway 49/Hodgson (96-Gramsie) | - | - | - | - | 218,000 | - | - |
| Bridge, Lion Neighborhood | - | 150,000 | - | - | - | - | - |
| Lexington Ave. Reconstruction | - | - | - | 150,000 | - | - | - |
| Owasso Blvd N Reconstruction | - | - | - | 2,730,000 | - | - | - |
| Hamline Ave. Reconstruction | - | - | - | - | - | - | 2,744,000 |
| Total Expense | \$ 950,000 | \$ 150,000 | \$ 420,000 | \$ 2,880,000 | \$ 218,000 | \$ - | \$ 2,744,000 |
| Net change | (228,217) | 572,783 | 297,783 | (2,164,217) | 498,783 | 717,283 | (2,026,217) |
| Fund equity, beginning | 1,652,949 | 1,424,732 | 1,997,515 | 2,295,298 | 131,081 | 629,864 | 1,347,147 |
| Fund equity, ending | \$ 1,424,732 | \$ 1,997,515 | \$ 2,295,298 | \$ 131,081 | \$ 629,864 | \$ 1,347,147 | \$ (679,070) |
| Fund equity percent of avg expense | 135.5% | 189.9% | 218.2% | 12.5% | 59.9% | 128.1% | -64.6% |
| Months capital coverage (avg expense) | 16.3 | 22.8 | 26.2 | 1.5 | 7.2 | 15.4 | (7.7) |

Street Renewal Fund

The summary of Street Renewal Fund activity provided in the table below shows planned increases in the tax levy are sufficient to support projects through 2023 while maintaining the minimum \$2 million fund balance.

| Street Renewal Fund | Estimated | Projected | Projected | Projected | Projected | Projected | Projected |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Capital Projections | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Revenue | | | | | | | |
| Property taxes | \$ 1,060,000 | \$ 1,124,000 | \$ 941,000 | \$ 1,012,000 | \$ 1,088,000 | \$ 1,168,000 | \$ 1,253,000 |
| Assessments | 22,882 | 91,882 | 6,130 | 6,130 | 6,130 | 6,130 | 5,943 |
| Investment interest | 33,000 | 34,000 | 42,000 | 47,000 | 41,000 | 41,000 | 41,000 |
| Total Revenues | \$ 1,115,882 | \$ 1,249,882 | \$ 989,130 | \$ 1,065,130 | \$ 1,135,130 | \$ 1,215,130 | \$ 1,299,943 |
| Expense | | | | | | | |
| Street condition survey | 8,500 | - | - | - | - | - | - |
| 2018 Street Reconstruction Bonds | | 100,000 | - | - | - | - | - |
| Street rehabilitation current projects: | | | | | | | |
| Amble Road rehabilitation | 200,000 | - | - | - | - | - | - |
| Windward Heights neighborhood | 600,000 | - | - | - | - | - | - |
| Bridge/Lion neighborhood | - | 873,000 | - | - | - | - | - |
| Wabasso neighborhood | - | - | 472,200 | - | - | - | - |
| Edgetown Acres-Schutta/Lois/Hillview | - | - | - | 1,337,800 | 1,457,600 | - | - |
| Total Expense | \$ 808,500 | \$ 973,000 | \$ 472,200 | \$ 1,337,800 | \$ 1,457,600 | \$ - | \$ - |
| Net change | 307,382 | 276,882 | 516,930 | (272,670) | (322,470) | 1,215,130 | 1,299,943 |
| Fund equity, beginning | 2,248,539 | 2,555,921 | 2,832,803 | 3,349,733 | 3,077,063 | 2,754,593 | 3,969,723 |
| Fund equity, ending | \$ 2,555,921 | \$ 2,832,803 | \$ 3,349,733 | \$ 3,077,063 | \$ 2,754,593 | \$ 3,969,723 | \$ 5,269,666 |
| Years of capital coverage (avg expense) | 3.5 | 3.9 | 4.6 | 4.3 | 3.8 | 5.5 | 7.3 |
| Tax levy percent change | 5.8% | 6.0% | -16.3% | 7.5% | 7.5% | 7.4% | 7.3% |
| Average annual percent change (taxes) 2017- | 5.9% | 5.9% | 0.4% | 1.8% | 2.8% | 3.0% | 3.6% |

Community Investment Fund

The summary of Community Investment Fund activity provided below shows projected revenue is sufficient to support planned building, park and trail projects providing community-wide benefit. The G.O. debt service transfer beginning in 2018 provides funding for debt payments associated with the \$12,865,000 Community Center expansion bond issue.

| Community Investment Fund Capital Projections | Estimated 2017 | Projected 2018 | Projected 2019 | Projected 2020 | Projected 2021 | Projected 2022 | Projected 2023 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Revenue | | | | | | | |
| Franchise fees | \$ 790,000 | \$ 790,000 | \$ 790,000 | \$ 790,000 | \$ 790,000 | \$ 790,000 | \$ 790,000 |
| PCS Antenna rentals | 434,880 | 453,675 | 473,300 | 493,800 | 515,220 | 537,600 | 561,000 |
| Billboard fees | 54,960 | 56,600 | 58,310 | 60,060 | 61,860 | 63,720 | 72,190 |
| Investment interest | 30,000 | 16,000 | 22,000 | 31,000 | 40,000 | 40,000 | 40,000 |
| Park Dedication fees | | | | | | | |
| Other | | | | | | | |
| Total Revenues | \$ 1,309,840 | \$ 1,316,275 | \$ 1,343,610 | \$ 1,374,860 | \$ 1,407,080 | \$ 1,431,320 | \$ 1,463,190 |
| Expense | | | | | | | |
| Furniture and equipment | - | 225,000 | - | - | - | - | - |
| Community Center improvements | 13,609 | 217,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Community Center addition | 921,977 | - | - | - | - | - | - |
| Park facilities improvements | - | - | 2,750,000 | 700,000 | 750,000 | 750,000 | - |
| Trails and pathways | 165,000 | - | 250,000 | - | 94,000 | - | - |
| Total Expense | \$ 1,100,586 | \$ 442,000 | \$ 3,050,000 | \$ 750,000 | \$ 894,000 | \$ 800,000 | \$ 50,000 |
| Other Sources (Uses) | | | | | | | |
| Transfer out/G.O. debt service | - | (322,000) | (322,000) | (322,000) | (322,000) | (322,000) | (322,000) |
| Transfers out/debt service (COP's) | (175,000) | (175,000) | (180,000) | (180,000) | (180,000) | (180,000) | (54,110) |
| Total Other Sources (Uses) | \$ (175,000) | \$ (497,000) | \$ (502,000) | \$ (502,000) | \$ (502,000) | \$ (502,000) | \$ (376,110) |
| Net change | 34,254 | 377,275 | (2,208,390) | 122,860 | 11,080 | 129,320 | 1,037,080 |
| Fund equity, beginning | 3,548,228 | 3,582,482 | 3,959,757 | 1,751,367 | 1,874,227 | 1,885,307 | 2,014,627 |
| Fund equity, ending | \$ 3,582,482 | \$ 3,959,757 | \$ 1,751,367 | \$ 1,874,227 | \$ 1,885,307 | \$ 2,014,627 | \$ 3,051,707 |
| Months of capital coverage (avg exp) | 42.5 | 46.9 | 20.8 | 22.2 | 22.3 | 23.9 | 36.2 |
| Minimum fund balance | \$ 735,222 | \$ 930,263 | \$ 1,194,585 | \$ 1,463,357 | \$ 1,736,773 | \$ 2,015,037 | \$ 2,299,675 |
| Fund balance in excess of minimum | \$ 2,847,260 | \$ 3,029,494 | \$ 556,782 | \$ 410,870 | \$ 148,534 | \$ (410) | \$ 752,032 |
| Debt service over (under) policy limit | \$ (377,617) | \$ (31,644) | \$ (35,544) | \$ (44,832) | \$ (54,528) | \$ (67,276) | Unavailable |

The adopted Community Investment Policy outlines a formula to accumulate a minimum fund balance equal to \$3 million. During the years 2014 through 2018 the policy dedicates 15% of revenue from franchise fees (electric and gas), wireless telecommunication antenna lease receipts and outdoor billboard lease receipts to the accumulation of minimum fund balance. Beginning in 2019, and until the \$3 million minimum fund balance is reached, 20% of these revenues will be dedicated to the accumulation of minimum fund balance. The first two lines of the table above, highlighted in blue, show the growth in minimum fund balance, and available fund balances over the next 6 years. Expenditures cause the minimum fund balance to fall below the policy requirement in 2022.

The Community Investment Policy limits the amount of resources that can be used for the repayment of debt issued to acquire qualifying capital assets to 50% of ensuing years' available revenue, defined as, revenue derived from franchise fees (electric and gas), wireless telecommunication antenna lease receipts and outdoor billboard lease receipts, less the amount allocated to the accumulation of minimum fund balance. The third line in the table above, highlighted in blue, shows the amount of debt service exceeding or below the policy limit. The fund has met the policy relating to debt in all years presented.

Information Technology Fund

The summary of Capital Acquisition Fund activity shown below, for the planned replacement and/or improvement of computer systems, shows that the small tax levy and contributions from other funds is sufficient to cover projected costs. The small tax levy is intended to assist in funding new capital asset purchases that cannot be funded by replacement funds.

| Information Technology Fund | Estimated | Projected | Projected | Projected | Projected | Projected | Projected |
|--------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Capital Projections | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Revenue | | | | | | | |
| Property taxes | \$ 35,000 | \$ 40,000 | \$ 40,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| Investment interest | 400 | 1,100 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 |
| Total Revenues | \$ 35,400 | \$ 41,100 | \$ 41,600 | \$ 51,600 | \$ 51,600 | \$ 51,600 | \$ 51,600 |
| Expense | | | | | | | |
| Computer equipment/software | 329,752 | 242,500 | 211,200 | 281,000 | 38,000 | 44,000 | 137,000 |
| Total Expense | \$ 329,752 | \$ 242,500 | \$ 211,200 | \$ 281,000 | \$ 38,000 | \$ 44,000 | \$ 137,000 |
| Other Sources (Uses) | | | | | | | |
| Transfers in/Gen Fixed Asset Fund | 279,648 | 210,000 | 174,000 | 260,000 | 33,000 | 39,000 | 128,000 |
| Transfers in/Water Fund | 22,900 | - | - | 3,000 | - | - | - |
| Transfers in/Sewer Fund | 22,900 | - | - | 3,000 | - | - | - |
| Transfers in/Central Garage Fund | 4,304 | 6,000 | - | - | 5,000 | - | - |
| Total Other Sources (Uses) | \$ 329,752 | \$ 216,000 | \$ 174,000 | \$ 266,000 | \$ 38,000 | \$ 39,000 | \$ 128,000 |
| Net change | 35,400 | 14,600 | 4,400 | 36,600 | 51,600 | 46,600 | 42,600 |
| Fund equity, beginning | 75,690 | 111,090 | 125,690 | 130,090 | 166,690 | 218,290 | 264,890 |
| Fund equity, ending | \$ 111,090 | \$ 125,690 | \$ 130,090 | \$ 166,690 | \$ 218,290 | \$ 264,890 | \$ 307,490 |
| Months of capital coverage (avg exp) | 7.3 | 8.2 | 8.5 | 10.9 | 14.3 | 17.3 | 20.1 |

General Fixed Asset Replacement Fund

The brief summary of General Fixed Asset Replacement Fund activity provided below indicates that fund balance drops in 2017, 2018 and 2022. Major costs in 2018 include Community Center rehabilitation costs (\$1,416,000), in 2022, fire equipment replacements (\$465,000), water slide replacement (\$203,000), playground replacements (\$230,000) and trail rehabilitation and extensions (\$181,600).

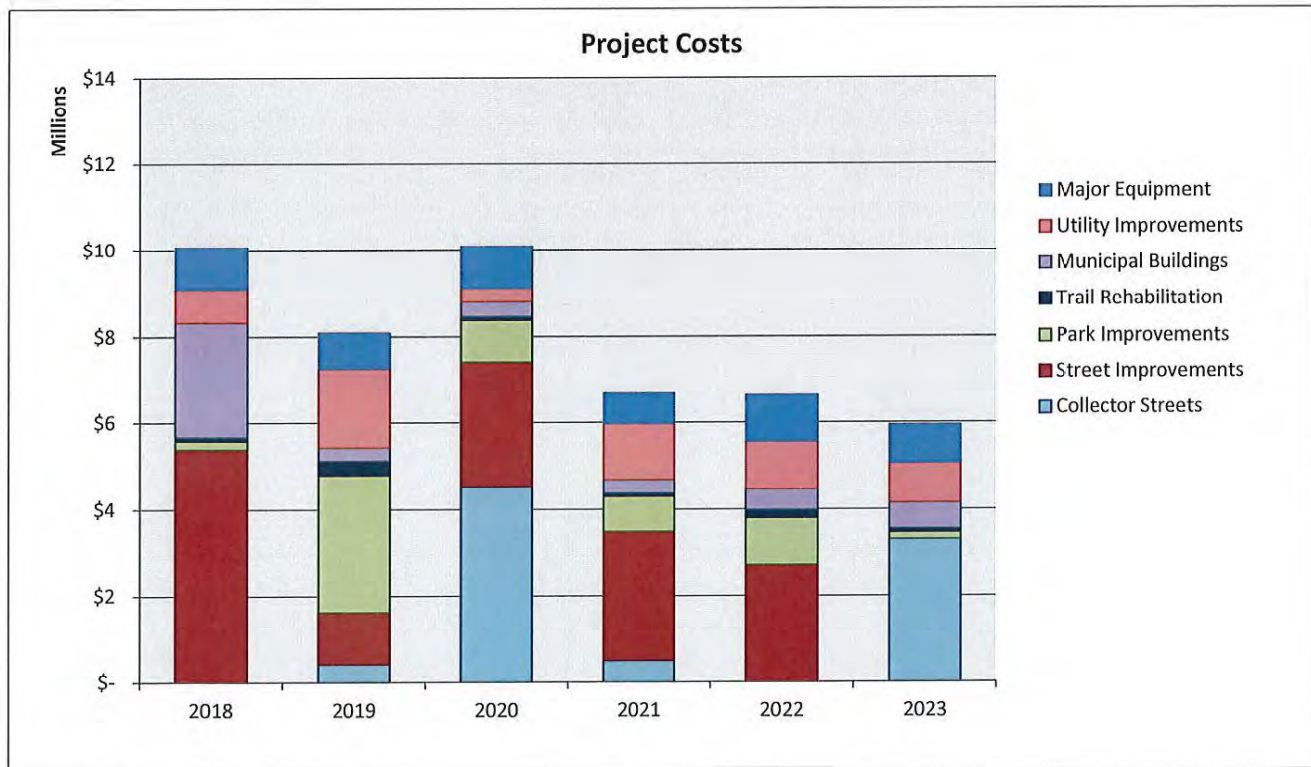
| General Fixed Asset Fund Capital Projections | Estimated 2017 | Projected 2018 | Projected 2019 | Projected 2020 | Projected 2021 | Projected 2022 | Projected 2023 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Revenue | | | | | | | |
| Property taxes | \$ 1,521,484 | \$ 1,525,000 | \$ 1,530,000 | \$ 1,535,000 | \$ 1,540,000 | \$ 1,545,000 | \$ 1,550,000 |
| Investment interest | 7,000 | 7,000 | 14,000 | 25,000 | 32,000 | 32,000 | 32,000 |
| Other | - | - | - | - | - | - | - |
| Total Revenues | \$ 1,528,484 | \$ 1,532,000 | \$ 1,544,000 | \$ 1,560,000 | \$ 1,572,000 | \$ 1,577,000 | \$ 1,582,000 |
| Expense | | | | | | | |
| Fire stations & equipment | 559,178 | 180,048 | 72,143 | 128,960 | 62,000 | 465,000 | 139,500 |
| Warning sirens | 40,000 | 35,000 | - | - | 18,000 | - | 18,000 |
| Municipal buildings | 364,711 | 1,840,000 | 225,000 | 283,000 | 253,000 | 420,000 | 544,000 |
| Park facilities | 408,125 | 193,000 | 405,000 | 271,000 | 60,000 | 354,000 | 180,000 |
| Trails | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 181,600 | 83,200 |
| Other | - | - | - | - | - | - | - |
| Total Expense | \$ 1,452,014 | \$ 2,328,048 | \$ 782,143 | \$ 762,960 | \$ 473,000 | \$ 1,420,600 | \$ 964,700 |
| Other Sources (Uses) | | | | | | | |
| Transfers out/Capital Imprv (IT) fund | (279,648) | (210,000) | (174,000) | (260,000) | (33,000) | (39,000) | (128,000) |
| Transfers out/debt funds | (180,000) | (180,000) | (380,000) | (380,000) | (380,000) | (380,000) | (200,000) |
| Total Other Sources (Uses) | \$ (459,648) | \$ (390,000) | \$ (554,000) | \$ (640,000) | \$ (413,000) | \$ (419,000) | \$ (328,000) |
| Net change | (383,178) | (1,186,048) | 207,857 | 157,040 | 686,000 | (262,600) | 289,300 |
| Fund equity, beginning | 1,701,312 | 1,318,134 | 132,086 | 339,943 | 496,983 | 1,182,983 | 920,383 |
| Fund equity, ending | \$ 1,318,134 | \$ 132,086 | \$ 339,943 | \$ 496,983 | \$ 1,182,983 | \$ 920,383 | \$ 1,209,683 |
| Months of average capital coverage | 11.9 | 1.2 | 3.1 | 4.5 | 10.7 | 8.3 | 10.9 |
| Tax levy percent change | 3.0% | 0.2% | 0.3% | 0.3% | 0.3% | 0.3% | 0.3% |
| Average annual percent change (taxes) 2017- | | | | | | | 0.7% |

Summary

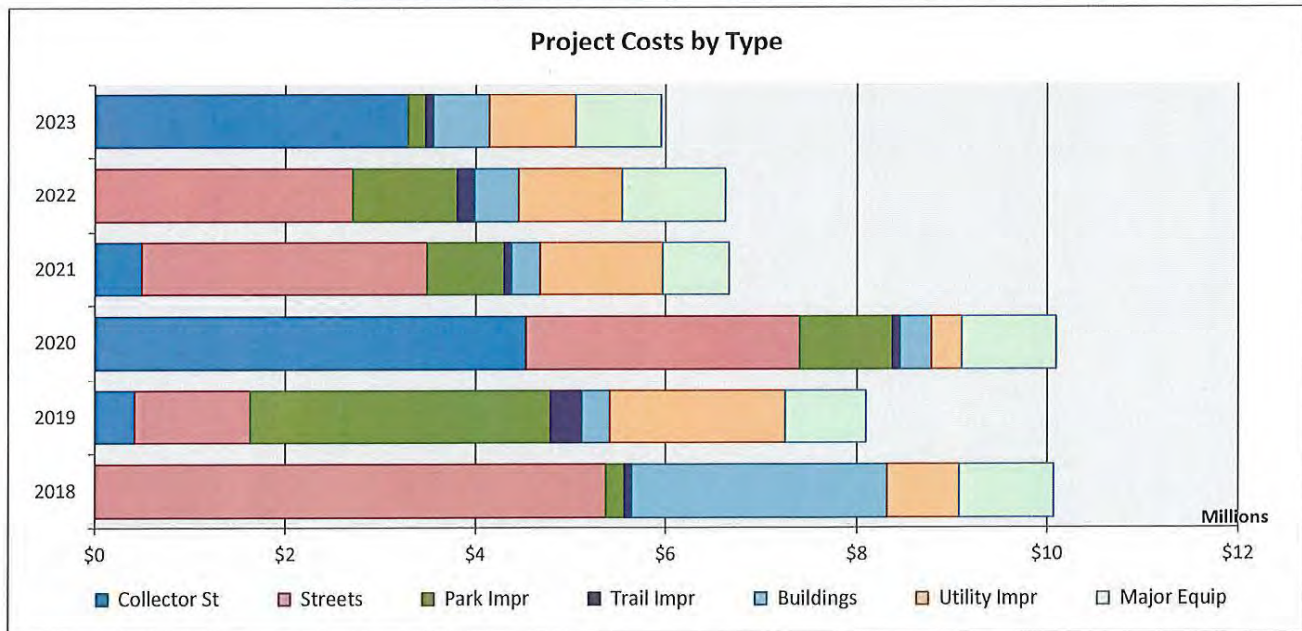
The remainder of this document provides information about the specific capital projects, including resources and capital costs.

Capital Improvement Program

| Description | Year 2017 | Year 2018 | Year 2019 | Year 2020 | Year 2021 | Year 2022 | Year 2023 |
|----------------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| Resources | | | | | | | |
| Debt Issuance | \$ 15,444,023 | \$ 4,875,000 | \$ 2,022,800 | \$ 3,357,200 | \$ 2,330,400 | \$ 3,786,000 | \$ 461,000 |
| Intergovernmental | 950,000 | 300,000 | 420,000 | 2,880,000 | 218,000 | - | 3,194,000 |
| Internal Funds | 4,598,006 | 4,894,548 | 5,654,993 | 3,856,760 | 4,122,750 | 2,844,600 | 2,297,840 |
| Total Resources | \$ 20,992,029 | \$ 10,069,548 | \$ 8,097,793 | \$ 10,093,960 | \$ 6,671,150 | \$ 6,630,600 | \$ 5,952,840 |
| Project Costs | | | | | | | |
| Collector Streets | \$ 1,150,000 | \$ - | \$ 420,000 | \$ 4,530,000 | \$ 497,000 | \$ - | \$ 3,290,000 |
| Street Improvements | 1,601,000 | 5,375,000 | 1,213,000 | 2,870,000 | 2,990,000 | 2,700,000 | - |
| Park Improvements | 408,125 | 193,000 | 3,155,000 | 971,000 | 810,000 | 1,104,000 | 180,000 |
| Trail Rehabilitation | 245,000 | 80,000 | 330,000 | 80,000 | 80,000 | 181,600 | 83,200 |
| Municipal Buildings | 14,895,990 | 2,672,300 | 299,800 | 333,000 | 303,000 | 470,000 | 594,000 |
| Utility Improvements | 1,185,000 | 760,000 | 1,833,450 | 320,000 | 1,288,150 | 1,086,000 | 904,140 |
| Major Equipment | 1,506,914 | 989,248 | 846,543 | 989,960 | 703,000 | 1,089,000 | 901,500 |
| Total Project Costs | \$ 20,992,029 | \$ 10,069,548 | \$ 8,097,793 | \$ 10,093,960 | \$ 6,671,150 | \$ 6,630,600 | \$ 5,952,840 |



| Project Resources | | | | | | | |
|--------------------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| Description | Year 2017 | Year 2018 | Year 2019 | Year 2020 | Year 2021 | Year 2022 | Year 2023 |
| Debt | | | | | | | |
| Improvement Bonds (assmts) | \$ 139,400 | \$ 190,000 | \$ 89,800 | \$ 448,240 | \$ 385,080 | \$ 56,000 | \$ 32,000 |
| GO Tax Abatement Bonds | 13,578,023 | - | - | - | - | - | - |
| GO Street Improvement Bonds | - | 3,000,000 | - | - | - | 2,500,000 | - |
| Water Revenue Bonds | 900,000 | 431,000 | 440,000 | 1,170,000 | 854,000 | 529,000 | 175,000 |
| Sewer Revenue Bonds | 405,000 | 410,000 | 1,180,000 | 900,000 | 669,000 | 501,000 | 24,000 |
| Surface Water Revenue Bonds | 421,600 | 844,000 | 313,000 | 838,960 | 422,320 | 200,000 | 230,000 |
| Total Debt | 15,444,023 | 4,875,000 | 2,022,800 | 3,357,200 | 2,330,400 | 3,786,000 | 461,000 |
| Intergovernmental | | | | | | | |
| Ramsey County | - | - | - | - | - | - | 450,000 |
| Rice Creek Watershed District | - | 150,000 | - | - | - | - | - |
| MSA | 950,000 | 150,000 | 420,000 | 2,880,000 | 218,000 | - | 2,744,000 |
| Total Intergovernmental | 950,000 | 300,000 | 420,000 | 2,880,000 | 218,000 | - | 3,194,000 |
| Internal Funds | | | | | | | |
| Cable Television Fund | - | 350,000 | - | - | - | - | - |
| Street Renewal Fund | 800,000 | 873,000 | 472,200 | 1,337,800 | 1,457,600 | - | - |
| General Fixed Asset Fund | 1,731,662 | 2,538,048 | 956,143 | 1,022,960 | 506,000 | 1,459,600 | 1,092,700 |
| Capital Acquisition Fund (IT) | - | 26,500 | 37,200 | 15,000 | - | 5,000 | 9,000 |
| Community Investment Fund | 1,100,586 | 442,000 | 3,050,000 | 750,000 | 894,000 | 800,000 | 50,000 |
| Water Fund | 22,900 | - | - | 3,000 | - | - | - |
| Sewer Fund | 22,900 | - | - | 3,000 | - | - | - |
| Street Lighting Fund | 320,000 | 87,000 | 551,450 | 145,000 | 675,150 | - | 539,140 |
| Central Garage Fund | 599,958 | 578,000 | 588,000 | 580,000 | 590,000 | 580,000 | 607,000 |
| Total Internal Funds | 4,598,006 | 4,894,548 | 5,654,993 | 3,856,760 | 4,122,750 | 2,844,600 | 2,297,840 |
| Total Resources | \$ 20,992,029 | \$ 10,069,548 | \$ 8,097,793 | \$ 10,093,960 | \$ 6,671,150 | \$ 6,630,600 | \$ 5,952,840 |



Project Costs

| Description | Year 2017 | Year 2018 | Year 2019 | Year 2020 | Year 2021 | Year 2022 | Year 2023 |
|------------------------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| Collector Streets | | | | | | | |
| MSA Street Rehabilitation | \$ 1,150,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Rice Street/I-694 Interchange | - | - | 420,000 | - | - | - | - |
| Owasso Boulevard N Reconstruction | - | - | - | 3,730,000 | - | - | - |
| Lexington Avenue Reconstruction | - | - | - | 800,000 | - | - | - |
| Highway 49/Hodgson (H96-Gramsie) | - | - | - | - | 497,000 | - | - |
| Hamline Avenue Reconstruction | - | - | - | - | - | - | 3,290,000 |
| Total Collector Streets | 1,150,000 | - | 420,000 | 4,530,000 | 497,000 | - | 3,290,000 |
| Street Improvements | | | | | | | |
| Street Rehabilitation | - | 3,175,000 | - | - | - | 2,700,000 | - |
| Windward Heights Neighborhood | 1,601,000 | - | - | - | - | - | - |
| Bridge, Lion Neighborhood | - | 2,200,000 | - | - | - | - | - |
| Wabasso Neighborhood | - | - | 1,213,000 | - | - | - | - |
| Edgetown Acres Neighborhood | - | - | - | 2,870,000 | 2,990,000 | - | - |
| Total Street Improvements | 1,601,000 | 5,375,000 | 1,213,000 | 2,870,000 | 2,990,000 | 2,700,000 | - |
| Park Improvements | | | | | | | |
| Park Facility Replacements | 85,125 | 143,000 | 350,000 | 218,000 | 60,000 | 284,000 | 100,000 |
| Park Facility Improvements | - | - | 2,750,000 | 700,000 | 750,000 | 750,000 | - |
| Parking & Driveways | 293,000 | - | - | - | - | - | - |
| Tennis & Basketball Court Pavement | 30,000 | 50,000 | 40,000 | 40,000 | - | 55,000 | 80,000 |
| Park Building Rehabilitation | - | - | 15,000 | 13,000 | - | 15,000 | - |
| Total Park Improvements | 408,125 | 193,000 | 3,155,000 | 971,000 | 810,000 | 1,104,000 | 180,000 |
| Trail Rehabilitation | 245,000 | 80,000 | 330,000 | 80,000 | 80,000 | 181,600 | 83,200 |
| Municipal Buildings | | | | | | | |
| Fire Stations | 17,670 | 40,300 | 24,800 | - | - | - | - |
| General Government Buildings | - | 50,000 | - | - | - | - | - |
| Community Center Rehabilitation | 121,891 | 1,416,000 | 15,000 | 75,000 | 95,000 | 95,000 | 200,000 |
| Banquet Facility | 142,045 | 55,000 | 20,000 | 90,000 | 20,000 | 15,000 | 15,000 |
| Pool & Locker Room Areas | 41,050 | 236,000 | 40,000 | 68,000 | 68,000 | 235,000 | 279,000 |
| Furniture & Equipment | 59,725 | 658,000 | 150,000 | 50,000 | 70,000 | 75,000 | 50,000 |
| Community Center Improvements | 13,609 | 217,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Community Center Addition | 14,500,000 | - | - | - | - | - | - |
| Total Municipal Buildings | 14,895,990 | 2,672,300 | 299,800 | 333,000 | 303,000 | 470,000 | 594,000 |
| Utility Improvements | | | | | | | |
| Water Systems | - | 365,000 | 365,000 | - | 700,000 | 585,000 | 135,000 |
| Water Treatment Plant | 600,000 | - | - | - | - | - | - |
| Sanitary Sewer Rehabilitation | 200,000 | - | 950,000 | - | - | 471,000 | - |
| Sewer Lift Stations | 30,000 | 30,000 | 30,000 | - | 75,000 | 30,000 | - |
| Pretreatment Structures | 120,000 | 365,000 | - | 320,000 | - | - | 230,000 |
| Residential Street Lights | 235,000 | - | 488,450 | - | 513,150 | - | 539,140 |
| Total Utility Improvements | 1,185,000 | 760,000 | 1,833,450 | 320,000 | 1,288,150 | 1,086,000 | 904,140 |
| Major Equipment | | | | | | | |
| Fire Equipment | 541,508 | 139,748 | 47,343 | 128,960 | 62,000 | 465,000 | 139,500 |
| Warning Sirens | 40,000 | 35,000 | - | - | 18,000 | - | 18,000 |
| Computer Systems | 329,752 | 242,500 | 211,200 | 281,000 | 38,000 | 44,000 | 137,000 |
| Central Garage Equipment | 595,654 | 572,000 | 588,000 | 580,000 | 585,000 | 580,000 | 607,000 |
| Total Major Equipment | 1,506,914 | 989,248 | 846,543 | 989,960 | 703,000 | 1,089,000 | 901,500 |
| Total Capital Projects | \$ 20,992,029 | \$ 10,069,548 | \$ 8,097,793 | \$ 10,093,960 | \$ 6,671,150 | \$ 6,630,600 | \$ 5,952,840 |

MSA Street Rehabilitation

PWA 4

This project includes the rehabilitation of street segments throughout the City.

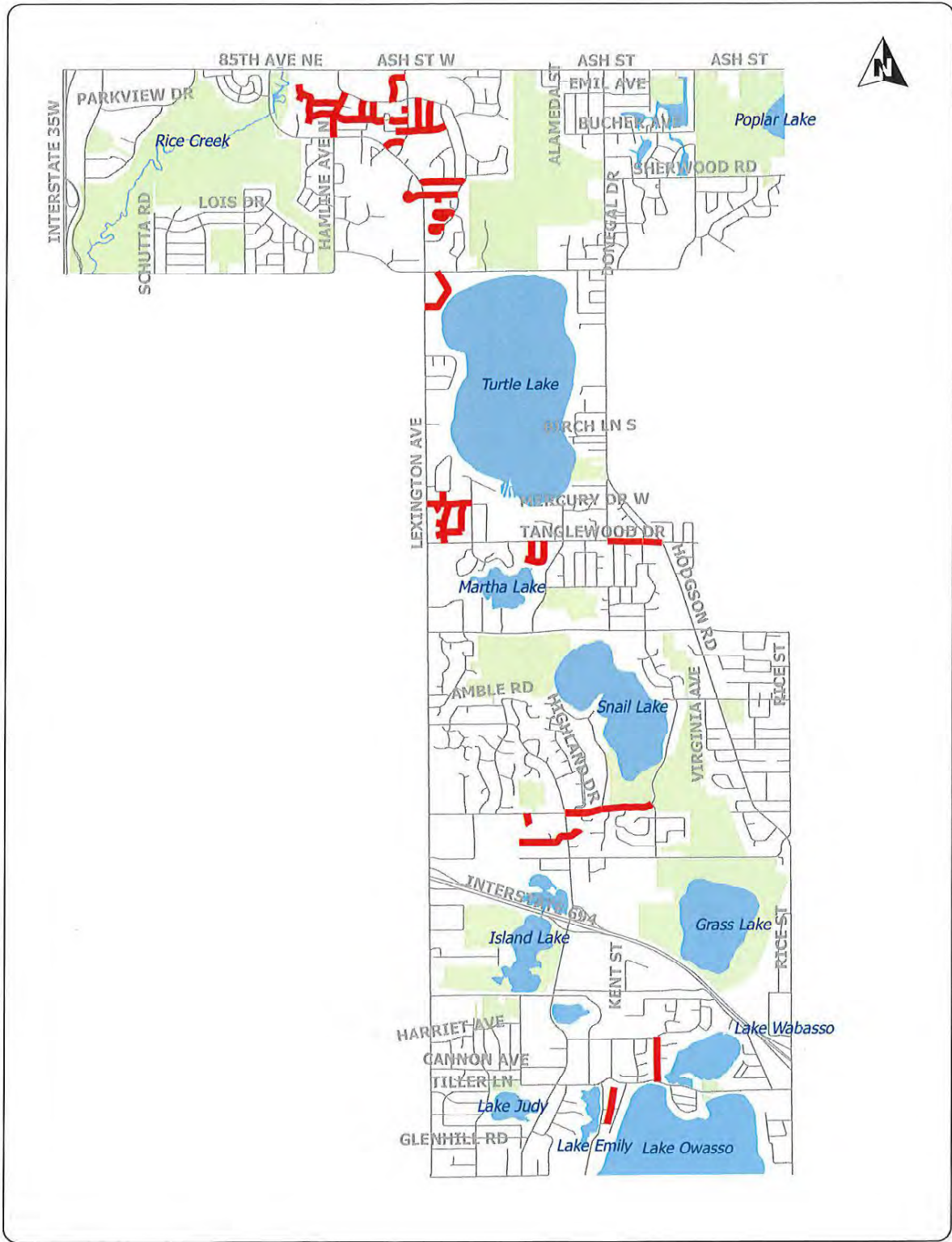
2017 costs include:

- \$150,000 Permanently raising a section of Gramsie Road Municipal Aid Street segment that was flooded in 2016.
- \$800,000 Rehabilitation of the Victoria Street (Lexington Avenue to County Road F) Municipal Aid Street segment.
- \$200,000 Rehabilitation of Amble Road local street segment from Vivian Street to the cul-de-sac.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| MSA | \$ 950,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Street Renewal Fund | 200,000 | - | - | - | - | - | - |
| Total Sources of Funds | \$ 1,150,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ 1,150,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Uses of Funds | \$ 1,150,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

A section of Gramsie Road was flooded in the fall of 2016 and the section of road was temporarily raised to allow for the movement of traffic. The section needs to be permanently raised to protect it against future flooding events.

The Victoria Street and Amble Road Projects will be modeled after Shoreview's 2013 Street Rehabilitation initiative which address resurfacing needs at various locations throughout the City.



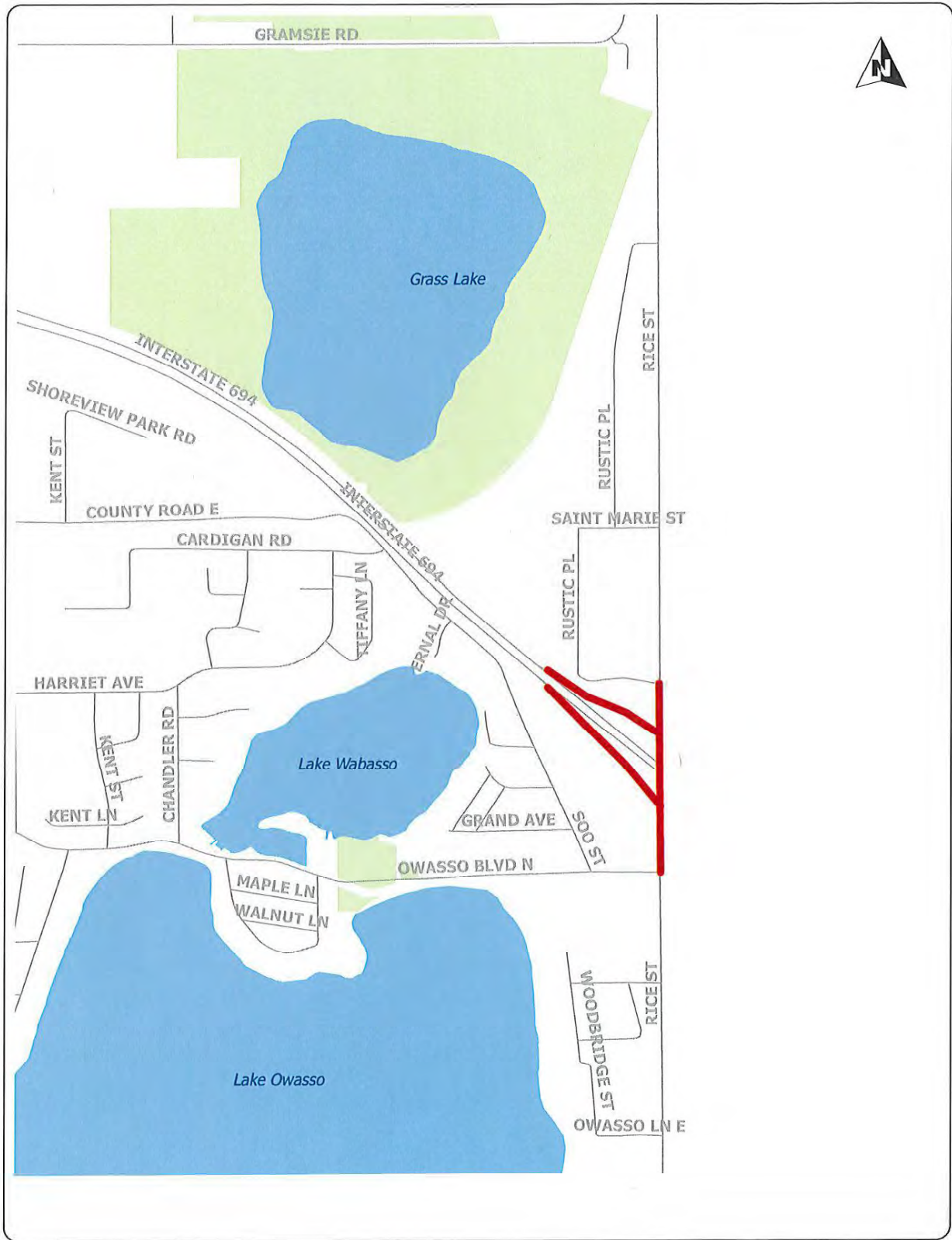
Rice Street/I-694 Interchange

PWA 11

City participation in Ramsey County's reconstruction of the Rice Street (County Highway 49) and I-694 interchange. The proposed project would consist of the replacement of the existing Rice Street Bridge over I-694 and the associated access ramps.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| MSA | \$ - | \$ - | \$ 420,000 | \$ - | \$ - | \$ - | \$ - |
| Total Sources of Funds | \$ - | \$ - | \$ 420,000 | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ - | \$ 420,000 | \$ - | \$ - | \$ - | \$ - |
| Total Uses of Funds | \$ - | \$ - | \$ 420,000 | \$ - | \$ - | \$ - | \$ - |

Per Ramsey County's County State Aid Highway (CSAH) cost participation policy and practices, corresponding to Minnesota Trunk Highway Turnback funding, the City will be required to fund portions of the costs related to the project. An understanding of the extent of the improvements and funding requirements of the City is being developed through participation in the planning process.



Rice/694 Interchange

PWA 00011

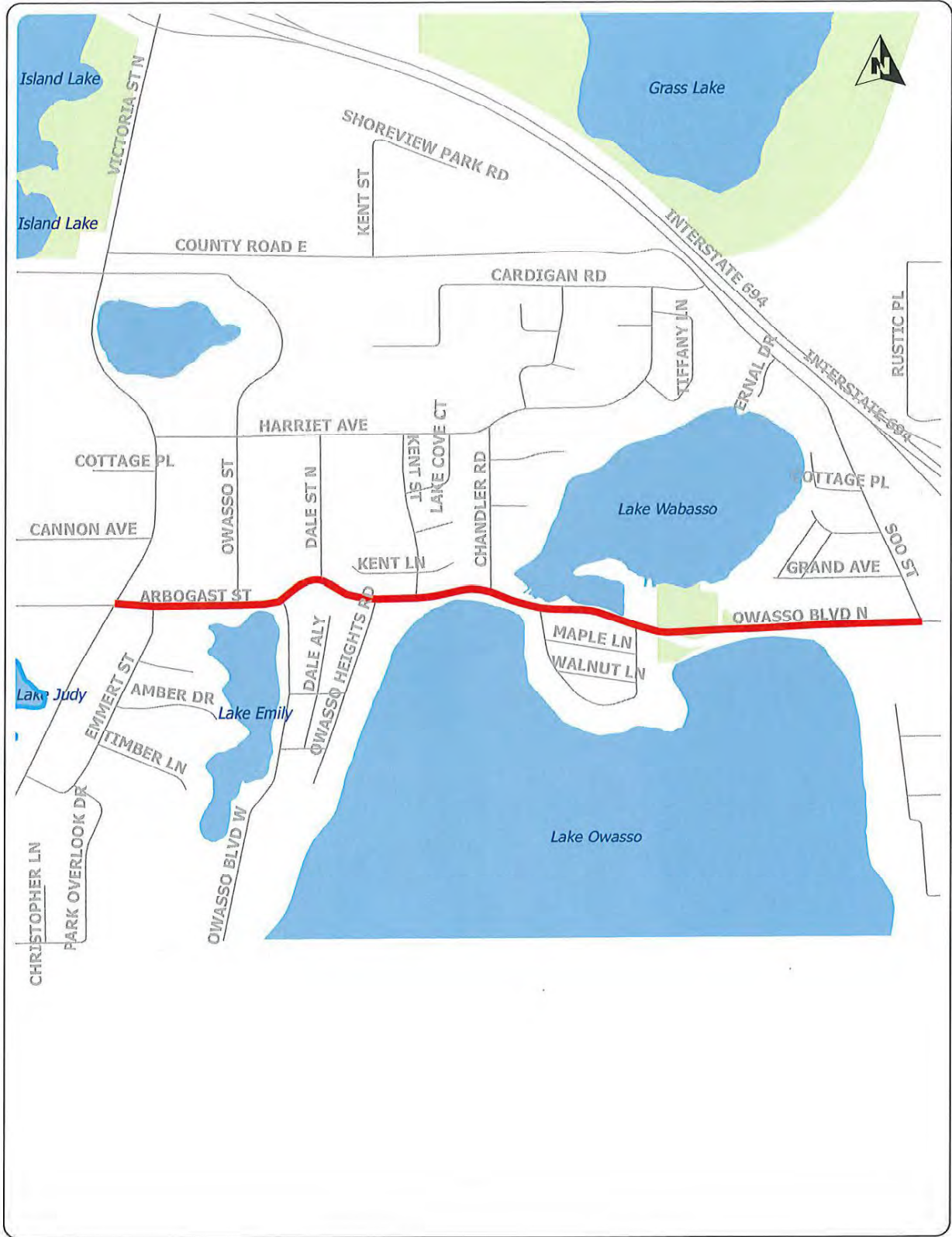
Owasso Boulevard N Reconstruction

PWA 25

Complete reconstruction of the road surface and upgrade of Owasso Boulevard North (from Owasso Boulevard West to Soo Street) and Arbogast Street (from Victoria Avenue to Owasso Boulevard West). The project would also include the addition of concrete curb and gutter, replacement of watermain, repairs to sanitary sewer piping, and the addition of storm water collection and treatment systems. Assessments for the project, totalling \$130,000 are for storm (\$50,000) and street (\$80,000).

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|-----------------|---------------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Debt-Special Assessments | \$ - | \$ - | \$ - | \$ 130,000 | \$ - | \$ - | \$ - |
| MSA | - | - | - | 2,730,000 | - | - | - |
| Debt-Water Revenue | - | - | - | 570,000 | - | - | - |
| Debt-Sewer Revenue | - | - | - | 300,000 | - | - | - |
| Total Sources of Funds | \$ - | \$ - | \$ - | \$ 3,730,000 | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ - | \$ - | \$ 1,950,000 | \$ - | \$ - | \$ - |
| Water Main | - | - | - | 570,000 | - | - | - |
| Sanitary Sewer | - | - | - | 300,000 | - | - | - |
| Storm Sewer | - | - | - | 730,000 | - | - | - |
| Street Lighting | - | - | - | 180,000 | - | - | - |
| Total Uses of Funds | \$ - | \$ - | \$ - | \$ 3,730,000 | \$ - | \$ - | \$ - |

These improvements would be consistent with the City's street/infrastructure efforts in recent years and in accordance with the City's street renewal assessment policies. The streets in these areas do not have concrete curb and gutter and have minimal storm water collection and treatment systems.



Owasso Boulevard N Reconstruction

PWA 00025

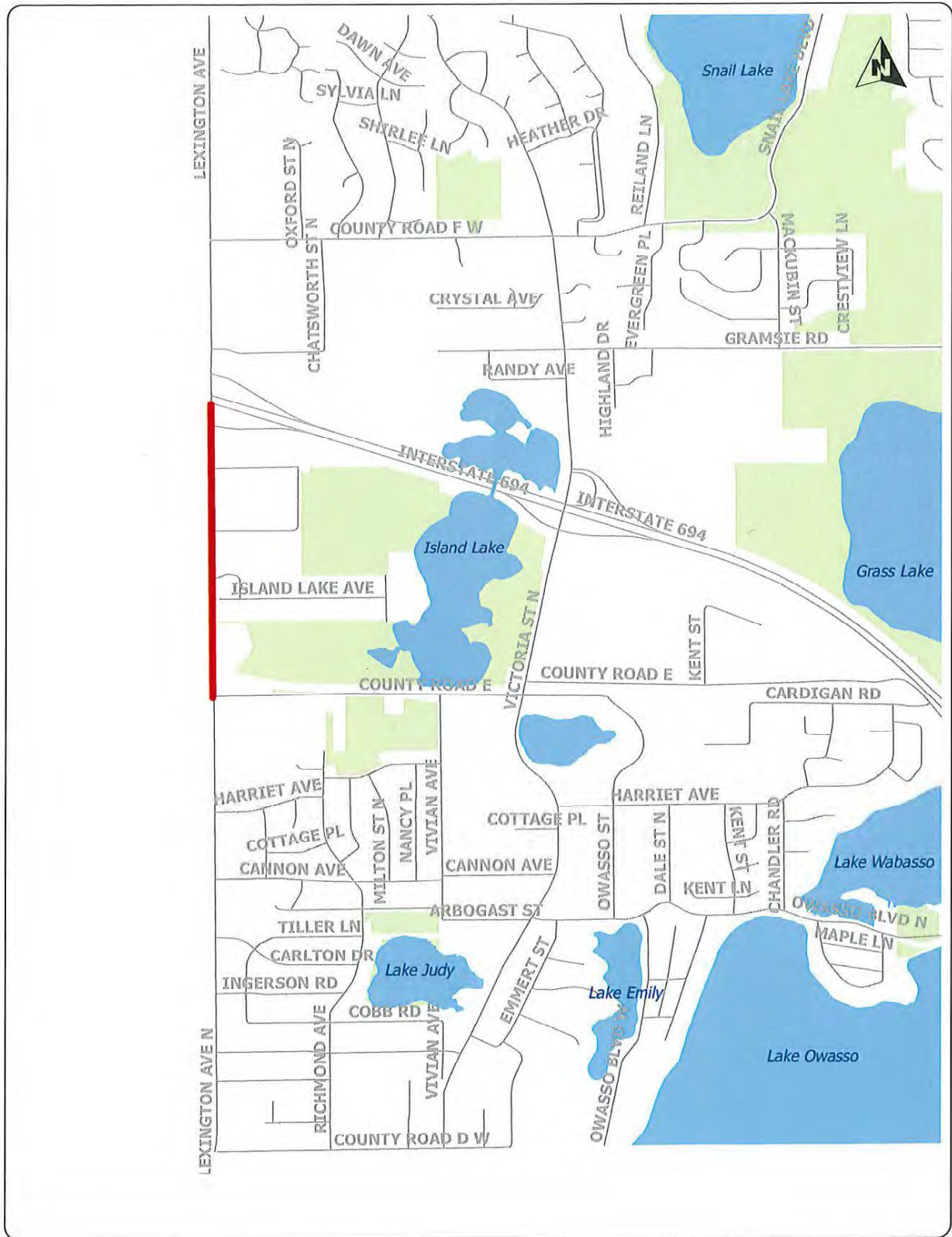
Lexington Ave Reconstruction

PWA 28

City participation in Ramsey County's reconstruction of Lexington Avenue from I-694 to County Road E. The proposed project would consist of Lexington Avenue and associated intersections to address traffic congestion issues. The project would also include drainage improvements and the replacement of the City owned water main.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| MSA | \$ - | \$ - | \$ - | \$ 150,000 | \$ - | \$ - | \$ - |
| Debt-Water Revenue | - | - | - | 500,000 | - | - | - |
| Debt-Sewer Revenue | - | - | - | 50,000 | - | - | - |
| Debt-Surface Water Revenue | - | - | - | 100,000 | - | - | - |
| Total Sources of Funds | \$ - | \$ - | \$ - | \$ 800,000 | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ - | \$ - | \$ 75,000 | \$ - | \$ - | \$ - |
| Traffic Signal | - | - | - | 75,000 | - | - | - |
| Water Main | - | - | - | 500,000 | - | - | - |
| Sanitary Sewer | - | - | - | 50,000 | - | - | - |
| Storm Sewer | - | - | - | 100,000 | - | - | - |
| Total Uses of Funds | \$ - | \$ - | \$ - | \$ 800,000 | \$ - | \$ - | \$ - |

Per Ramsey County's State Aid Highway (CSAH) cost participation policy and practices, the City will be required to fund portions of the costs related to the project. An understanding of the extent of the improvements and funding requirements of the City is being developed through participation in the planning process. The City owned water main located in the project area consists of cast iron pipe, which is relatively brittle and many breaks have occurred in the project area in the last few years. Disturbances of the soils related to the Ramsey County project increase the risk of water main failures after construction is completed. It has been the City's practice to upgrade cast iron water main pipe when other types of construction work will disturb the original water main installation.



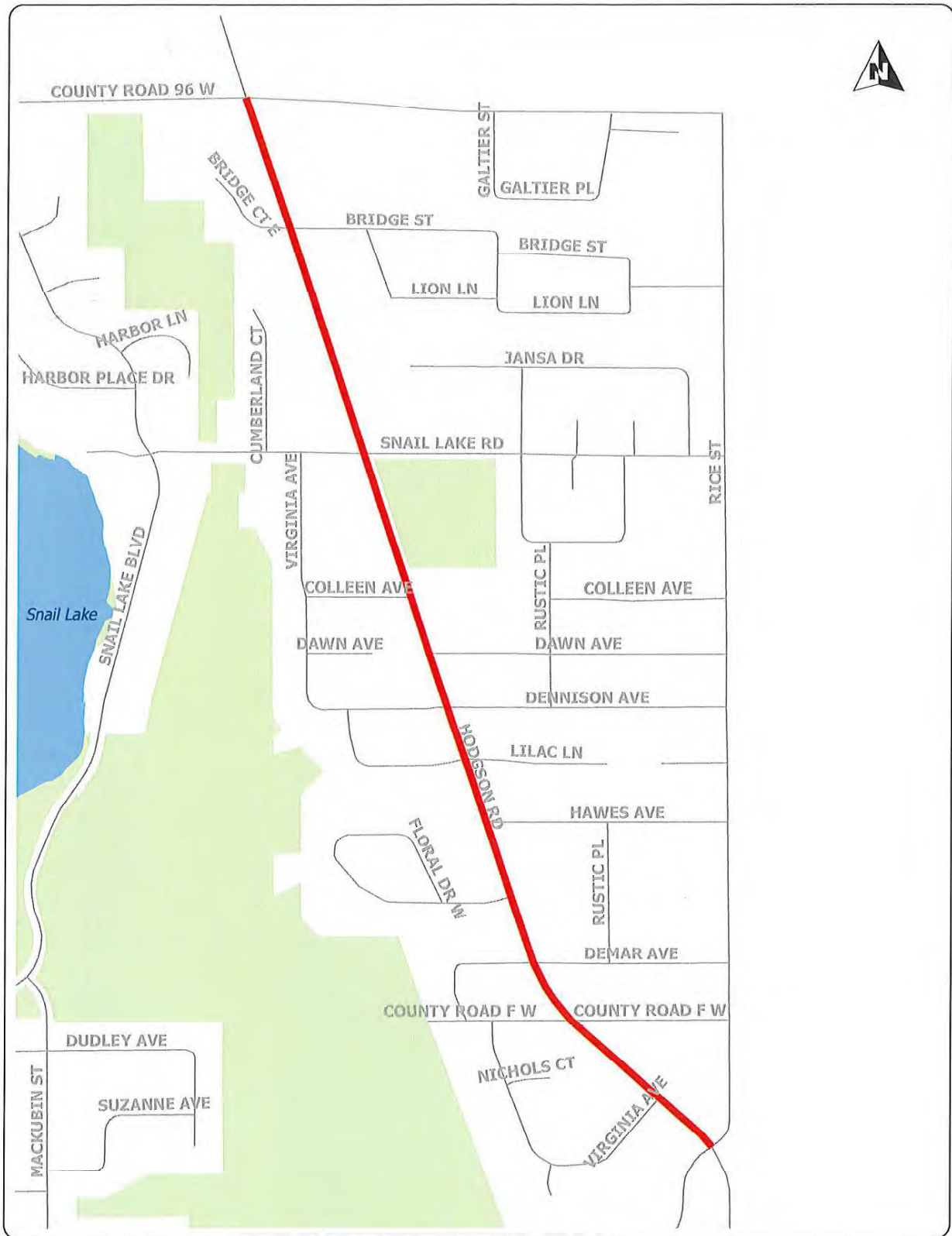
Highway 49/Hodgson (H96-Gramsie)

PWA 12

City participation in Ramsey County's reconstruction of Highway 49, from Gramsie Road to Highway 96. The proposed project would consist of road construction to modern suburban standards, and potentially include the installation of concrete curb and gutter, drainage improvements, sidewalks/trails, additional through and turn lanes, and relocation or rehabilitation of City-owned water main and sanitary sewers. The project would also include geometric revisions and permanent signalization of the Snail Lake Road intersection. Assessments for the project totaling \$75,000 are for storm sewer.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|
| Resources | | | | | | | |
| MSA | \$ - | \$ - | \$ - | \$ - | \$ 218,000 | \$ - | \$ - |
| Street Lighting Fund | - | - | - | - | 12,000 | - | - |
| Community Investment | - | - | - | - | 94,000 | - | - |
| Debt-Special Assessments | - | - | - | - | 75,000 | - | - |
| Debt-Water Revenue | - | - | - | - | 54,000 | - | - |
| Debt-Sewer Revenue | - | - | - | - | 44,000 | - | - |
| Total Sources of Funds | \$ - | \$ - | \$ - | \$ - | \$ 497,000 | \$ - | \$ - |
| Uses | | | | | | | |
| Traffic Signal | \$ - | \$ - | \$ - | \$ - | \$ 158,000 | \$ - | \$ - |
| Trail | - | - | - | - | 94,000 | - | - |
| Water Main | - | - | - | - | 54,000 | - | - |
| Sanitary Sewer | - | - | - | - | 44,000 | - | - |
| Storm Sewer | - | - | - | - | 107,000 | - | - |
| Street Lighting | - | - | - | - | 40,000 | - | - |
| Total Uses of Funds | \$ - | \$ - | \$ - | \$ - | \$ 497,000 | \$ - | \$ - |

Per Ramsey County's County State Aid Highway (CSAH) cost participation policy and practices, corresponding to Minnesota Trunk Highway Turnback funding, the City will be required to fund portions of the costs related to right-of-way acquisition, parking and/or turn lanes, drainage improvements, city-owned utility upgrades or repairs and off-street pedestrian improvements. An understanding of the extent of the improvements and funding requirements of the City is being developed through participation in a corridor planning process that is expected to identify Highway 49 priorities.



Highway 49/Hodgson (Highway 96 to Gramsie)

PWA 00012

Hamline Avenue Reconstruction

PWA 29

Complete reconstruction of the road surface and subgrade of Hamline Avenue from the north junction of County Road I to Lexington Avenue. The project would include the addition of concrete curb and gutter, installation of a stormwater collection and treatment system, addition of water main, extension of sanitary sewer and installation of an off-street bituminous trail. Reconstruction of County Road I south of Hamline to include a 30mph curve and extension of the bituminous trail along County Road I east to Shamrock Park and to the west to Wood Duck Court. Assessments for the project, totaling \$32,000, are for streets (\$22,400), sanitary sewer (\$6,000) and storm sewer (\$3,600).

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|
| Resources | | | | | | | |
| County | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 450,000 |
| MSA | - | - | - | - | - | - | 2,744,000 |
| Debt-Special Assessments | - | - | - | - | - | - | 32,000 |
| Debt-Water Revenue | - | - | - | - | - | - | 40,000 |
| Debt-Sewer Revenue | - | - | - | - | - | - | 24,000 |
| Total Sources of Funds | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$3,290,000 |
| Uses | | | | | | | |
| Street | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,905,000 |
| Trail | - | - | - | - | - | - | 450,000 |
| Water Main | - | - | - | - | - | - | 40,000 |
| Sanitary Sewer | - | - | - | - | - | - | 30,000 |
| Storm Sewer | - | - | - | - | - | - | 700,000 |
| Street Lighting | - | - | - | - | - | - | 165,000 |
| Total Uses of Funds | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$3,290,000 |

The improvements are consistent with the City's street infrastructure efforts in recent years, and in accordance with the City's street renewal policies. The street does not have concrete curb and gutter and a stormwater collection and treatment system.



Street Rehabilitation

PWA 4

This project includes the rehabilitation of street segments throughout the City.

2018 costs include:

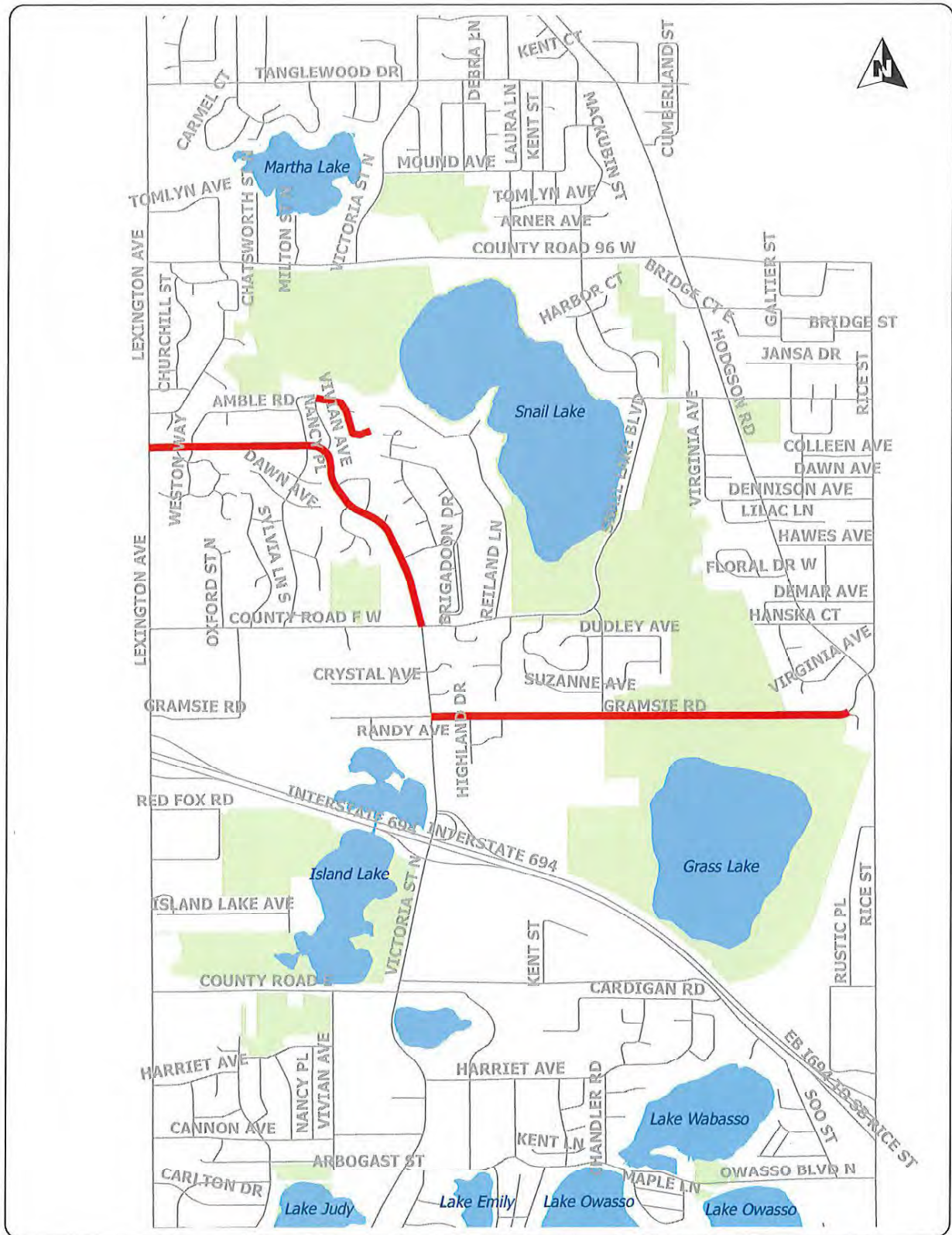
- \$3,175,000 Includes the rehabilitation of local street segments at various locations throughout the City. The actual locations will be based on pavement condition as determined by the City's Pavement Management Program established as part of the street rehabilitation plan adopted as part of bonding requirements, and coordinated with other infrastructure installations and upgrades.

2022 costs include:

- \$2,700,000 Includes the rehabilitation of local street segments at various locations throughout the City. The actual locations will be based on pavement condition as determined by the City's Pavement Management Program established as part of the street rehabilitation plan adopted as part of bonding requirements, and coordinated with other infrastructure installations and upgrades.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|---------------------|-----------------|-----------------|-----------------|---------------------|-----------------|
| Resources | | | | | | | |
| Debt-Surface Water Revenue | \$ - | \$ 175,000 | \$ - | \$ - | \$ - | \$ 200,000 | \$ - |
| Debt-Property Taxes | - | 3,000,000 | - | - | - | 2,500,000 | - |
| Total Sources of Funds | \$ - | \$ 3,175,000 | \$ - | \$ - | \$ - | \$ 2,700,000 | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ 3,000,000 | \$ - | \$ - | \$ - | \$ 2,500,000 | \$ - |
| Storm Sewer | - | 175,000 | - | - | - | 200,000 | - |
| Total Uses of Funds | \$ - | \$ 3,175,000 | \$ - | \$ - | \$ - | \$ 2,700,000 | \$ - |

The 2018 and 2022 projects will be modeled after Shoreviews 2013 Street Rehabilitation initiative, and address local street segment resurfacing needs at various locations throughout the City.



Windward Heights Neighborhood

PWA 16

Complete reconstruction and upgrade of road surfaces on Dawn Avenue, Rustic Place, and Colleen Avenue on the east side of Highway 49. The project would also include storm drainage improvements as well as replacement of cast iron water main and any necessary sanitary sewer repairs. Assessments for the project, totaling \$139,400, are for storm (\$48,400) and street (\$91,000).

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Street Renewal Fund | \$ 600,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Street Lighting Fund | 85,000 | - | - | - | - | - | - |
| Debt-Special Assessments | 139,400 | - | - | - | - | - | - |
| Debt-Water Revenue | 300,000 | - | - | - | - | - | - |
| Debt-Sewer Revenue | 175,000 | - | - | - | - | - | - |
| Debt-Surface Water Revenue | 301,600 | - | - | - | - | - | - |
| Total Sources of Funds | \$ 1,601,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ 691,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Water Main | 300,000 | - | - | - | - | - | - |
| Sanitary Sewer | 175,000 | - | - | - | - | - | - |
| Storm Sewer | 350,000 | - | - | - | - | - | - |
| Street Lighting | 85,000 | - | - | - | - | - | - |
| Total Uses of Funds | \$ 1,601,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

These improvements would be consistent with the City's street/infrastructure efforts in recent years, and in accordance with the City's street renewal and assessment policies. The streets in this neighborhood do not currently have curb and gutter.



Bridge, Lion Neighborhood

PWA 26

Complete reconstruction of the road surfaces of Arner Avenue (Dale St to Mackubin St), Dale Street (96-Arner Ave), Dale Court N & S, Bridge Street (Hodgson Rd to Galtier St), and Lion Lane (Bridge St to Galtier St). The project would also include the addition of concrete curb and gutter, installation of watermain and services to Dale Court N & S, and installation of storm water collection and treatment systems. Assessments for the project, totalling \$190,000 are for storm (\$46,000), street (\$95,000) and water (\$49,000).

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Debt-Special Assessments | \$ - | \$ 190,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| MSA | - | 150,000 | - | - | - | - | - |
| Debt-Water Revenue | - | 66,000 | - | - | - | - | - |
| Debt-Sewer Revenue | - | 380,000 | - | - | - | - | - |
| Debt-Surface Water Revenue | - | 454,000 | - | - | - | - | - |
| Street Lighting Fund | - | 87,000 | - | - | - | - | - |
| Street Renewal Fund | - | 873,000 | - | - | - | - | - |
| Total Sources of Funds | \$ - | \$ 2,200,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ 1,100,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Street Lighting | - | 105,000 | - | - | - | - | - |
| Water Main | - | 115,000 | - | - | - | - | - |
| Sanitary Sewer | - | 380,000 | - | - | - | - | - |
| Storm Sewer | - | 500,000 | - | - | - | - | - |
| Total Uses of Funds | \$ - | \$ 2,200,000 | \$ - | \$ - | \$ - | \$ - | \$ - |

The improvements are consistent with the City's street/infrastructure efforts in recent years and in accordance with the City's street renewal and assessment policies. The streets in these areas do not have curb and gutter.



Bridge, Lion Neighborhood

PWA 00026

Wabasso Neighborhood

PWA 8

Complete reconstruction of the road surface of streets located on the east side of Lake Wabasso with access off Soo Street. This area includes Cottage Place, Janice Street, Wabasso Avenue, Centre Street, and the Janice Street alley. The project would also include the addition of concrete curb and gutter, water main repair, sanitary sewer repair and replacement of services, installation of a storm water collection and treatment system and the installation of street lights. Assessments for the project, totaling \$89,800, are for storm (\$37,000) and street (\$52,800).

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|---------------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Street Renewal Fund | \$ - | \$ - | \$ 472,200 | \$ - | \$ - | \$ - | \$ - |
| Street Lighting Fund | - | - | 63,000 | - | - | - | - |
| Debt-Special Assessments | - | - | 89,800 | - | - | - | - |
| Debt-Water Revenue | - | - | 75,000 | - | - | - | - |
| Debt-Sewer Revenue | - | - | 200,000 | - | - | - | - |
| Debt-Surface Water Revenue | - | - | 313,000 | - | - | - | - |
| Total Sources of Funds | \$ - | \$ - | \$ 1,213,000 | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ - | \$ 525,000 | \$ - | \$ - | \$ - | \$ - |
| Water Main | - | - | 75,000 | - | - | - | - |
| Sanitary Sewer | - | - | 200,000 | - | - | - | - |
| Storm Sewer | - | - | 350,000 | - | - | - | - |
| Street Lighting | - | - | 63,000 | - | - | - | - |
| Total Uses of Funds | \$ - | \$ - | \$ 1,213,000 | \$ - | \$ - | \$ - | \$ - |

These improvements are consistent with the City's street/infrastructure efforts in recent years, and in accordance with the City's street renewal and assessment policies. The streets in these areas do not currently have curb and gutter.



Wabasso Neighborhood

PWA 00008

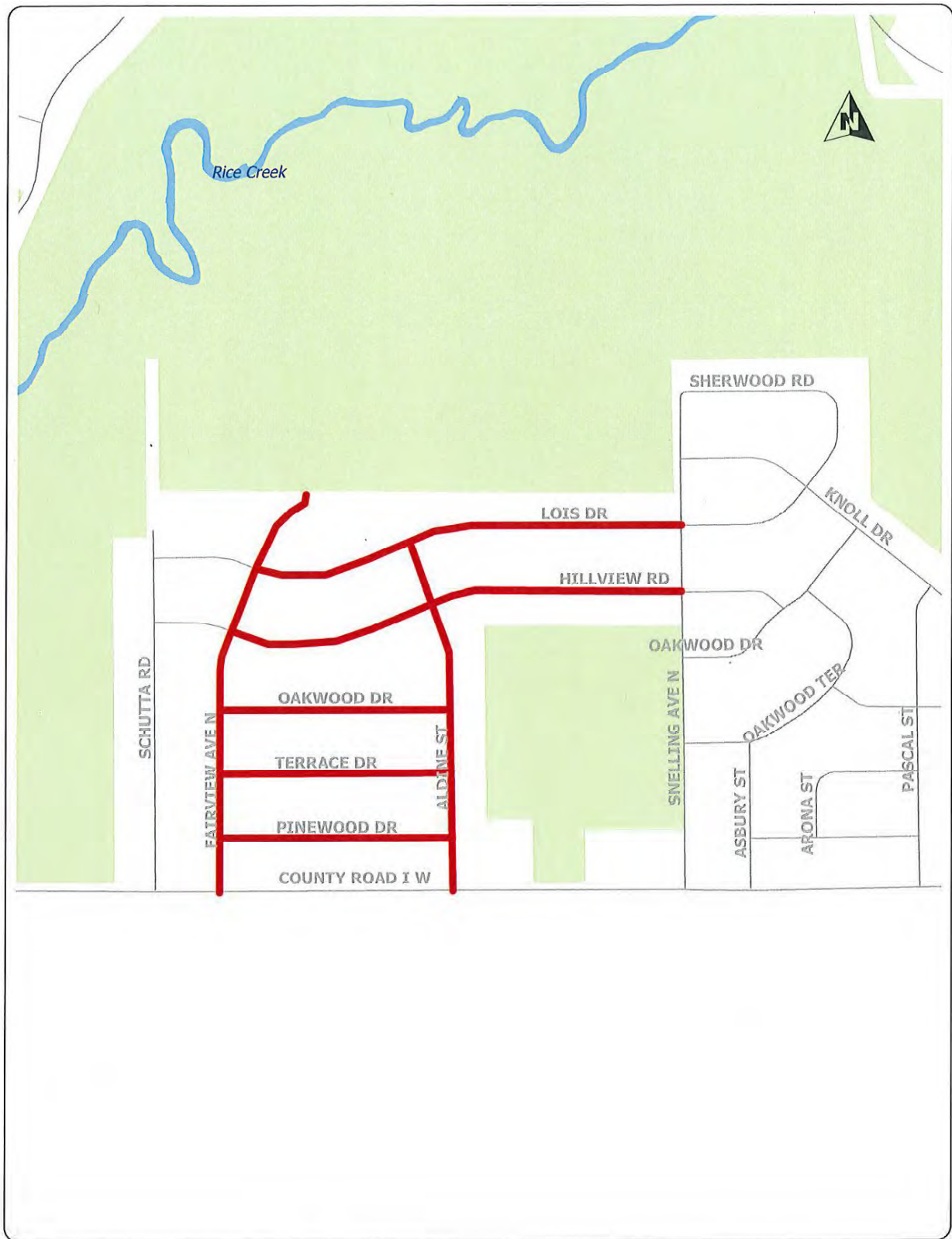
Edgetown Acres-Schutta/Lois/Hillview

PWA 13

Complete reconstruction of the road surface of Lois Drive & Hillview Road from Fairview Avenue to Snelling Avenue, Aldine Street, Fairview Avenue, and Pinewood Drive, Terrace Drive, and Oakwood Drive from Fairview Avenue to Aldine Street. The project would include the addition of concrete curb & gutter, water main repair, sanitary sewer repair, installation of a stormwater collection & treatment system, and installation of street lights. Assessments to the residents for the project totaling \$628,320 are for street (\$369,600) and storm (\$258,720).

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|-----------------|---------------------|---------------------|-----------------|-----------------|
| Resources | | | | | | | |
| Debt-Special Assessments | \$ - | \$ - | \$ - | \$ 318,240 | \$ 310,080 | \$ - | \$ - |
| Street Renewal Fund | - | - | - | 1,337,800 | 1,457,600 | - | - |
| Debt-Water Revenue | - | - | - | 100,000 | 100,000 | - | - |
| Debt-Sewer Revenue | - | - | - | 550,000 | 550,000 | - | - |
| Debt-Surface Water Revenue | - | - | - | 418,960 | 422,320 | - | - |
| Street Lighting Fund | - | - | - | 145,000 | 150,000 | - | - |
| Total Sources of Funds | \$ - | \$ - | \$ - | \$ 2,870,000 | \$ 2,990,000 | \$ - | \$ - |
| Uses | | | | | | | |
| Street | \$ - | \$ - | \$ - | \$ 1,525,000 | \$ 1,640,000 | \$ - | \$ - |
| Water Main | - | - | - | 100,000 | 100,000 | - | - |
| Sanitary Sewer | - | - | - | 550,000 | 550,000 | - | - |
| Storm Sewer | - | - | - | 550,000 | 550,000 | - | - |
| Street Lighting | - | - | - | 145,000 | 150,000 | - | - |
| Total Uses of Funds | \$ - | \$ - | \$ - | \$ 2,870,000 | \$ 2,990,000 | \$ - | \$ - |

These improvements are consistent with the City's street/infrastructure efforts in recent years, and in accordance with the City's street renewal and assessment policies. The streets in these areas do not currently have curb and gutter.



Park Facility Replacements

PKA 1

This project provides an allowance for park replacements, funded by the General Fixed Asset Replacement Fund. A description of planned costs by park is provided below.

Bucher Park costs include:

- 2019 - \$ 55,000 fencing replacement, concrete in bench areas
- 2022 - \$ 29,000 replace park lighting

Commons Park costs include:

- 2017 - \$ 22,155 Commons area and Highway 96 landscaping
- 2018 - \$ 30,000 Commons area and Highway 96 landscaping
- 2019 - \$ 30,000 Commons area and Highway 96 landscaping
- 2019 - \$ 90,000 Playground replacement
- 2019 - \$175,000 Skate park replacement
- 2022 - \$ 25,000 Tennis/basketball court fence replacement

Lake Judy Park costs include:

- 2017 - \$ 8,750 replace timber edge of playground with concrete
- 2022 - \$100,000 Playground replacement

McCullough Park costs include:

- 2020 - \$125,000 playground replacement including concrete curbing
- 2020 - \$ 28,000 replace park lighting

Ponds Park costs include:

- 2018 - \$55,000 playground replacements including concrete curbing

Rice Creek Park costs include:

- 2017 - \$ 26,920 scoreboard replacement
- 2017 - \$ 5,800 replace gates on ballfields
- 2020 - \$ 65,000 playground replacement
- 2021 - \$ 60,000 replace fencing

Shamrock Park costs include:

- 2018 - \$ 30,000 Park shelter roof replacement
- 2022 - \$130,000 playground replacement including concrete curbing

Theisen Park costs include:

- 2018 - \$ 28,000 replace park lighting

Wilson Park costs include:

- 2017 - \$ 21,500 replace ballfields and tennis/basketball courts fencing

Allowance include:

- 2023 - \$100,000 projects to be determined

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 85,125 | \$ 143,000 | \$ 350,000 | \$ 218,000 | \$ 60,000 | \$ 284,000 | \$ 100,000 |
| Total Sources of Funds | \$ 85,125 | \$ 143,000 | \$ 350,000 | \$ 218,000 | \$ 60,000 | \$ 284,000 | \$ 100,000 |
| Uses | | | | | | | |
| Commons Park | \$ 22,155 | \$ 30,000 | \$ 295,000 | \$ - | \$ - | \$ 25,000 | \$ - |
| Wilson Park | 21,500 | - | - | - | - | - | - |
| Rice Creek Park | 32,720 | - | - | 65,000 | 60,000 | - | - |
| Ponds Park | - | 55,000 | - | - | - | - | - |
| Theisen Park | - | 28,000 | - | - | - | - | - |
| Bucher Park | - | - | 55,000 | - | - | 29,000 | - |
| Repair/Replacement Allowance | - | - | - | - | - | - | 100,000 |
| McCullough Park | - | - | - | 153,000 | - | - | - |
| Shamrock Park | - | 30,000 | - | - | - | 130,000 | - |
| Lake Judy Park | 8,750 | - | - | - | - | 100,000 | - |
| Total Uses of Funds | \$ 85,125 | \$ 143,000 | \$ 350,000 | \$ 218,000 | \$ 60,000 | \$ 284,000 | \$ 100,000 |

An allowance is included in the City's infrastructure replacement plan for routine repair and replacement of amenities in City parks. Periodic replacement of park improvements is necessary to maintain the appearance and condition of the parks, and to remain in compliance with legal standards.

Park Facility Improvements

PKA 2

Park improvements planned throughout the community, and supported by the Community Investment Fund, include:

Commons Park:

- 2019 - \$2,750,000 Commons Master Plan improvements

McCullough Park:

- 2020 - \$700,000 refurbish park

Shamrock Park:

- 2022 - \$750,000 refurbish park

Sitzer Park

- 2021 - \$750,000 replace park building, to include restrooms

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|---------------------|-------------------|-------------------|-------------------|-----------------|
| Resources | | | | | | | |
| Community Investment | \$ - | \$ - | \$ 2,750,000 | \$ 700,000 | \$ 750,000 | \$ 750,000 | \$ - |
| Total Sources of Funds | \$ - | \$ - | \$ 2,750,000 | \$ 700,000 | \$ 750,000 | \$ 750,000 | \$ - |
| Uses | | | | | | | |
| Commons Park | \$ - | \$ - | \$ 2,750,000 | \$ - | \$ - | \$ - | \$ - |
| McCullough Park | - | - | - | 700,000 | - | - | - |
| Shamrock Park | - | - | - | - | - | 750,000 | - |
| Sitzer Park | - | - | - | - | 750,000 | - | - |
| Total Uses of Funds | \$ - | \$ - | \$ 2,750,000 | \$ 700,000 | \$ 750,000 | \$ 750,000 | \$ - |

Periodic improvements to park facilities are necessary to keep the parks in good condition and an asset to the neighborhoods.

Parking & Driveways/City-Owned Facilities

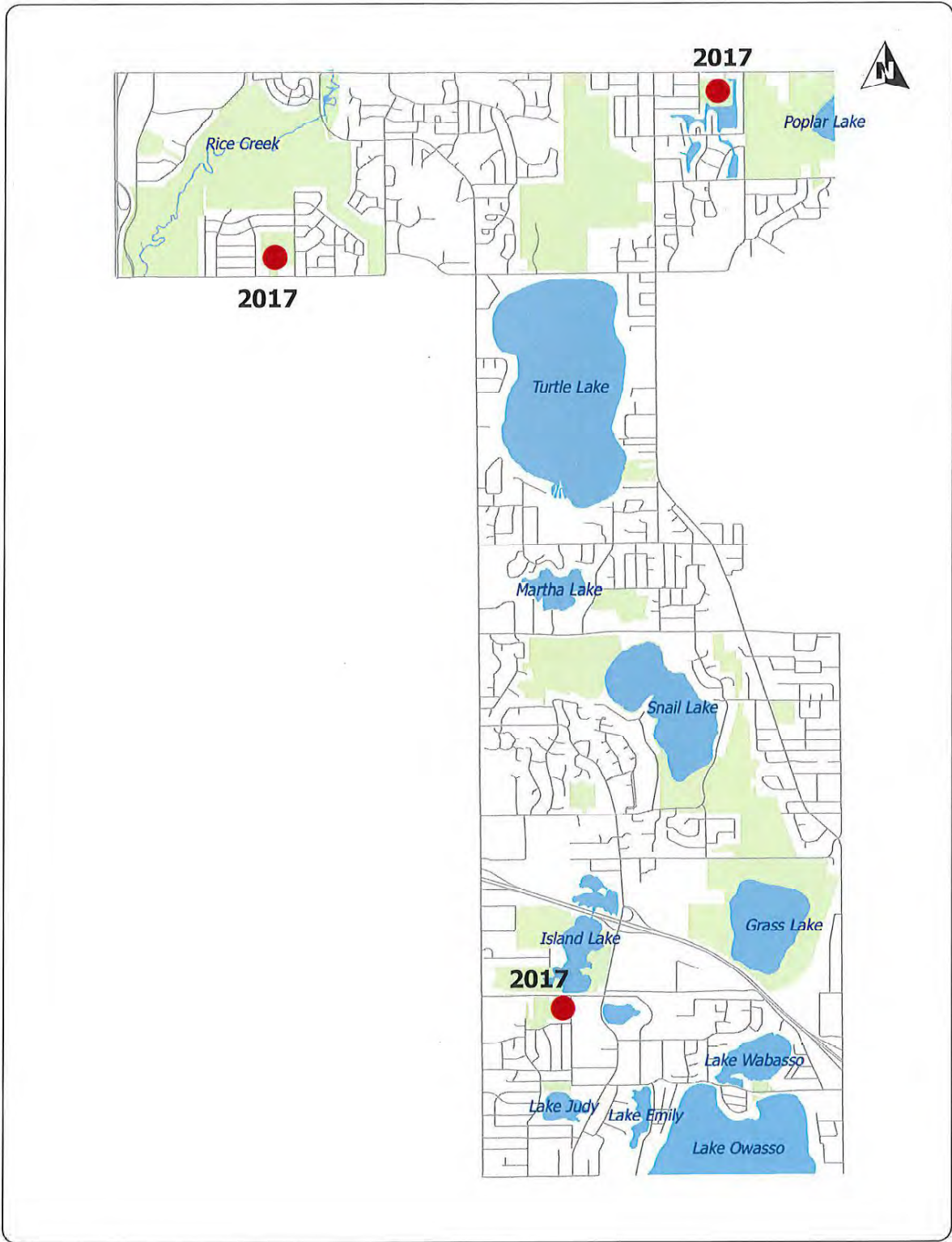
PWA 30

Rehabilitation or replacement of parking lots and driveways at City-owned facilities, including: City hall, Community Center, and City parks. Planned costs include:

- 2017 - \$ 85,000 Shamrock Park pavement rehabilitation
- 2017 - \$110,000 Theisen Park pavement rehabilitation
- 2017 - \$ 98,000 Bucher Park parking lot replacement

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 293,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Sources of Funds | \$ 293,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Shamrock Park | \$ 85,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Theisen Park | 110,000 | - | - | - | - | - | - |
| Bucher Park | 98,000 | - | - | - | - | - | - |
| Total Uses of Funds | \$ 293,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

Shoreview's comprehensive infrastructure replacement plan, which is updated annually, provides for the replacement and maintenance of these areas.



Tennis & Basketball Court Pavement

PKA 6

Periodic sealcoat and/or color coat of tennis and basketball courts in City parks. Planned costs include:

- 2017 - \$30,000 Theisen Park basketball court resurfacing
- 2018 - \$50,000 Commons Park court resurfacing, conversion to pickleball
- 2019 - \$40,000 Sitzer Park court resurfacing
- 2020 - \$40,000 Wilson Park court resurfacing
- 2022 - \$55,000 Theisen Park court resurfacing
- 2023 - \$40,000 Bucher Park court resurfacing
- 2023 - \$40,000 McCullough Park court resurfacing

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 30,000 | \$ 50,000 | \$ 40,000 | \$ 40,000 | \$ - | \$ 55,000 | \$ 80,000 |
| Total Sources of Funds | \$ 30,000 | \$ 50,000 | \$ 40,000 | \$ 40,000 | \$ - | \$ 55,000 | \$ 80,000 |
| Uses | | | | | | | |
| Bucher Park | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 40,000 |
| Commons Park | - | 50,000 | - | - | - | - | - |
| McCullough Park | - | - | - | - | - | - | 40,000 |
| Sitzer Park | - | - | 40,000 | - | - | - | - |
| Wilson Park | - | - | - | 40,000 | - | - | - |
| Theisen Park | 30,000 | - | - | - | - | 55,000 | - |
| Total Uses of Funds | \$ 30,000 | \$ 50,000 | \$ 40,000 | \$ 40,000 | \$ - | \$ 55,000 | \$ 80,000 |

An allowance is included in the City's comprehensive infrastructure replacement plan for routine repair and replacement of park amenities. Routine replacement of court surfaces is necessary to maintain the appearance and condition, as well as to preserve the use for residents.

Park Building Rehabilitation

PKA 7

Provide an allowance for park building replacements. Planned costs include:

Rice Creek Park:

- 2020 - \$13,000 staining of all cedar on buildings

Replacement Allowance

- 2019 - \$15,000 miscellaneous park building repairs
- 2022 - \$15,000 miscellaneous park building repairs

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-----------------|------------------|------------------|-----------------|------------------|-----------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ - | \$ - | \$ 15,000 | \$ 13,000 | \$ - | \$ 15,000 | \$ - |
| Total Sources of Funds | \$ - | \$ - | \$ 15,000 | \$ 13,000 | \$ - | \$ 15,000 | \$ - |
| Uses | | | | | | | |
| Rice Creek Park | \$ - | \$ - | \$ - | \$ 13,000 | \$ - | \$ - | \$ - |
| Repair/Replacement Allowance | - | - | 15,000 | - | - | 15,000 | - |
| Total Uses of Funds | \$ - | \$ - | \$ 15,000 | \$ 13,000 | \$ - | \$ 15,000 | \$ - |

An allowance for park building repairs and replacements is included in the City's comprehensive infrastructure replacement plan. Periodic repair and replacement is necessary to maintain the condition of park buildings.

Trail Rehabilitation and Extension

PWA 20

Rehabilitation of the pavement surface on paved trails throughout the City. This project may consist of replacement of the pavement surface, or providing a protective coating, such as a sealcoat, to extend the life of the trail segments.

Scheduled rehabilitation of paths located in these areas:

- 2017 - for trail segments to be determined in the future
- 2018 - for trail segments to be determined in the future
- 2019 - for trail segments to be determined in the future
- 2020 - for trail segments to be determined in the future
- 2021 - for trail segments to be determined in the future
- 2022 - for trail segments to be determined in the future
- 2023 - for trail segments to be determined in the future

Scheduled extensions include:

- 2017 - \$85,000 Gramsie Road trail extension
- 2017 - \$80,000 Snail Lake Open Space secondary trail segment
- 2019 - \$250,000 County Road E, from Vivian to Lexington

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|-------------------|------------------|-------------------|------------------|------------------|-------------------|------------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 181,600 | \$ 83,200 |
| Community Investment | 165,000 | - | 250,000 | - | - | - | - |
| Total Sources of Funds | \$ 245,000 | \$ 80,000 | \$ 330,000 | \$ 80,000 | \$ 80,000 | \$ 181,600 | \$ 83,200 |
| Uses | | | | | | | |
| Trail | \$ 245,000 | \$ 80,000 | \$ 330,000 | \$ 80,000 | \$ 80,000 | \$ 181,600 | \$ 83,200 |
| Total Uses of Funds | \$ 245,000 | \$ 80,000 | \$ 330,000 | \$ 80,000 | \$ 80,000 | \$ 181,600 | \$ 83,200 |

To preserve the integrity and extend the life of bituminous trails and concrete sidewalks throughout the City's trail system. Replacement or rehabilitation of trail assets are planned in accordance with the City's comprehensive infrastructure replacement plan, updated annually.

The extension of the trail along Gramsie Road will provide a connection between Victoria Street and Dale Street. The Snail Lake Open Space trail will provide an alternate link from the open space to the Gramsie Road trail that is less susceptible to flooding.

Construction of a trail segment along County Road E between Vivian Avenue and Lexington Avenue to complete a trail connection and link residential areas to the commercial area along Lexington Avenue.

Fire Stations

ADM 1

A repair and replacement allowance for fire stations, intended to cover equipment, furnishings and minor maintenance items. The cost shown in the table below represents Shoreview's share of costs (62%). Specific items planned for each station are listed below.

Station #2 costs include:

- 2017 - \$ 7,440 replace furnace
- 2017 - \$ 4,464 firefighter lockers
- 2018 - \$ 9,300 paint bay ceilings/walls

Station #3 costs include:

- 2018 - \$ 31,000 replace roof over bays
- 2019 - \$ 24,800 resurface bay floors

Station #4 costs include:

- 2017 - \$ 5,766 firefighter lockers/storage cabinets

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 17,670 | \$ 40,300 | \$ 24,800 | \$ - | \$ - | \$ - | \$ - |
| Total Sources of Funds | \$ 17,670 | \$ 40,300 | \$ 24,800 | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Fire Station #2 | \$ 11,904 | \$ 9,300 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Fire Station #3 | - | 31,000 | 24,800 | - | - | - | - |
| Fire Station #4 | 5,766 | - | - | - | - | - | - |
| Total Uses of Funds | \$ 17,670 | \$ 40,300 | \$ 24,800 | \$ - | \$ - | \$ - | \$ - |

Routine repairs and replacements are necessary to maintain the condition and appearance of the buildings, and to protect the investment in the buildings. In addition, there is a need for replacement of equipment and furnishings within the fire stations.

General Government Buildings

ADM 6

Replacements, rehabilitation and improvements to municipal buildings, including the council chambers, and general government equipment.

Equipment includes:

- 2018 - \$50,000 Council chamber improvements

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Cable Television Fund | \$ - | \$ 50,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Sources of Funds | \$ - | \$ 50,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Equipment-General | \$ - | \$ 50,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Uses of Funds | \$ - | \$ 50,000 | \$ - | \$ - | \$ - | \$ - | \$ - |

Periodic replacement of camera and sound equipment is necessary to maintain functionality for broadcasting public meetings.

Community Center Rehabilitation

CC 1

A repair/replacement allowance for mechanical systems and other building replacements provides for the following costs:

Building costs include:

- 2017 - \$121,891 lighting project
- 2023 - \$150,000 repair/replacement allowance, projects to be determined

Carpet/flooring costs include:

- 2018 - \$ 48,000 replace lower level carpet
- 2018 - \$ 38,000 replace rubber floor in fitness studio #3
- 2018 - \$ 200,000 pool deck rehabilitation
- 2021 - \$ 95,000 replace carpet on upper level

Mechanical System costs include:

- 2018 - \$1,000,000 replace generator for City Hall and Community Center
- 2018 - \$ 130,000 replace three main boilers in mechanical room
- 2020 - \$ 60,000 replace two pool AHU boilers on mezzanine
- 2020 - \$ 15,000 replace ozone room heat pump
- 2022 - \$ 95,000 replace pool condensing unit
- 2023 - \$ 50,000 replace fitness locker room water heater

Gymnasium costs include:

- 2019 - \$ 15,000 replace gym curtain

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|-------------------|---------------------|------------------|------------------|------------------|------------------|-------------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 121,891 | \$ 1,416,000 | \$ 15,000 | \$ 75,000 | \$ 95,000 | \$ 95,000 | \$ 200,000 |
| Total Sources of Funds | \$ 121,891 | \$ 1,416,000 | \$ 15,000 | \$ 75,000 | \$ 95,000 | \$ 95,000 | \$ 200,000 |
| Uses | | | | | | | |
| Municipal Buildings | \$ 121,891 | \$ - | \$ - | \$ - | \$ - | \$ 95,000 | \$ 150,000 |
| Carpet/flooring | - | 286,000 | - | - | 95,000 | - | - |
| Mechanical Systems | - | 1,130,000 | - | 75,000 | - | - | 50,000 |
| Gymnasium | - | - | 15,000 | - | - | - | - |
| Total Uses of Funds | \$ 121,891 | \$ 1,416,000 | \$ 15,000 | \$ 75,000 | \$ 95,000 | \$ 95,000 | \$ 200,000 |

The age of mechanical systems and volume of use at the Community Center increase the need for mechanical system repairs and other building replacements. Completion of these repairs in a timely manner is necessary to maintain the appearance of the building, to protect the investment in the building, and to retain customers. An allowance is included in the City's infrastructure replacement plan so that routine and periodic repairs can be made without impacting the Community Center operating budget.

Banquet Facility

CC 2

A repair and replacement allowance for the banquet room facilities and furnishings. Planned costs are listed below.

Furniture costs include:

- 2017 - \$ 89,792 replace banquet room chairs
- 2017 - \$ 52,253 replace banquet room tables

Banquet room repairs include:

- 2018 - \$ 20,000 miscellaneous repairs
- 2019 - \$ 20,000 miscellaneous repairs
- 2020 - \$ 90,000 replace movable walls in Community Room
- 2021 - \$ 20,000 miscellaneous repairs
- 2022 - \$ 15,000 miscellaneous repairs
- 2023 - \$ 15,000 miscellaneous repairs

Carpet replacement includes:

- 2018 - \$ 35,000 Community Room carpet

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 142,045 | \$ 55,000 | \$ 20,000 | \$ 90,000 | \$ 20,000 | \$ 15,000 | \$ 15,000 |
| Total Sources of Funds | \$ 142,045 | \$ 55,000 | \$ 20,000 | \$ 90,000 | \$ 20,000 | \$ 15,000 | \$ 15,000 |
| Uses | | | | | | | |
| Furniture | \$ 142,045 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Banquet Room Repairs | - | 20,000 | 20,000 | 90,000 | 20,000 | 15,000 | 15,000 |
| Carpet/flooring | - | 35,000 | - | - | - | - | - |
| Total Uses of Funds | \$ 142,045 | \$ 55,000 | \$ 20,000 | \$ 90,000 | \$ 20,000 | \$ 15,000 | \$ 15,000 |

The volume of banquet room use, for weddings, receptions, Summer Discovery, and other activities causes wear and tear on the facility. Completion of these repairs in a timely manner is necessary to maintain the appearance of the facility, to protect the investment in the building and to retain customers. An allowance is included in the City's comprehensive infrastructure replacement plan so that routine and periodic repairs can be made without impacting the Community Center operating budget.

Pool & Locker Room Areas

CC 3

A repair and replacement allowance for the pool and locker room areas at the community center. Planned costs are listed below.

Pool/whirlpool replacement costs include:

- 2017 - \$ 11,000 replace pool floatable
- 2017 - \$ 30,050 replace whirlpool filter
- 2018 - \$ 32,000 regrout main pool
- 2018 - \$ 12,000 replace main pool drain covers
- 2019 - \$ 20,000 replace pool floatable
- 2021 - \$ 11,000 replace whirlpool UV system
- 2021 - \$ 17,000 replace pool floatable
- 2022 - \$ 32,000 replace main pool heater

Locker room replacement includes:

- 2018 - \$ 45,000 replace wooden lockers in fitness locker rooms
- 2020 - \$ 33,000 replace counter tops and sinks in pool locker rooms
- 2023 - \$179,000 replace lockers in pool locker rooms

Water slide repair/replacements include:

- 2018 - \$ 17,000 replace slide lights and music system
- 2018 - \$ 10,000 water slide refurbish
- 2021 - \$ 10,000 water slide refurbish
- 2022 - \$ 203,000 replace waterslide

Repair and replacement allowances include:

- 2018 - \$ 20,000 replace internal steel supports on boat slide
- 2018 - \$ 85,000 repaint pool ceiling
- 2018 - \$ 15,000 replace all pool signs
- 2019 - \$ 20,000 replace zero beach railing
- 2020 - \$ 20,000 replace lily pads on water walk
- 2020 - \$ 15,000 replace lily pad anchor points
- 2021 - \$ 30,000 replace both landing pads on water walk
- 2023 - \$ 100,000 replace zero beach feature

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 41,050 | \$ 236,000 | \$ 40,000 | \$ 68,000 | \$ 68,000 | \$ 235,000 | \$ 279,000 |
| Total Sources of Funds | \$ 41,050 | \$ 236,000 | \$ 40,000 | \$ 68,000 | \$ 68,000 | \$ 235,000 | \$ 279,000 |
| Uses | | | | | | | |
| Pool/Whirlpool | \$ 41,050 | \$ 44,000 | \$ 20,000 | \$ - | \$ 28,000 | \$ 32,000 | \$ - |
| Locker Rooms | - | 45,000 | - | 33,000 | - | - | 179,000 |
| Water Slide | - | 27,000 | - | - | 10,000 | 203,000 | - |
| Repair/Replacement Allowance | - | 120,000 | 20,000 | 35,000 | 30,000 | - | 100,000 |
| Total Uses of Funds | \$ 41,050 | \$ 236,000 | \$ 40,000 | \$ 68,000 | \$ 68,000 | \$ 235,000 | \$ 279,000 |

The volume of use of pool and locker room facilities throughout the year causes wear and tear on the facility. Completion of these repairs in a timely manner is necessary to maintain the appearance of the facility, to protect the investment in the building and to retain customers. An allowance is included in the City's comprehensive infrastructure replacement plan so that routine and periodic repairs can be made without impacting the Community Center operating budget.

Furniture & Equipment

CC 4

A repair and replacement allowance for community center furniture and equipment. Planned costs are listed below.

Fitness equipment replacement allowances include:

- 2017 - \$35,000
- 2018 - \$70,000
- 2019 - \$50,000
- 2020 - \$50,000
- 2021 - \$70,000
- 2022 - \$50,000
- 2023 - \$50,000

Furniture replacement costs include:

- 2018 - \$ 25,000 replace/recover fireside furniture
- 2018 - \$225,000 furnishings for expansion project
- 2018 - \$ 15,000 replace pool deck furniture
- 2018 - \$ 12,000 replace bistro tables and card tables
- 2019 - \$100,000 refurbish modular office furniture in city hall

Equipment Community Center costs include:

- 2017 - \$ 8,195 replace sound system in studios
- 2017 - \$ 16,530 replace Wave freezers and refrigerators
- 2018 - \$300,000 replace AV and security equipment for expansion project
- 2018 - \$ 11,000 replace large scrubber
- 2022 - \$ 25,000 replace Shoreview Room kitchen equipment

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 59,725 | \$ 133,000 | \$ 150,000 | \$ 50,000 | \$ 70,000 | \$ 75,000 | \$ 50,000 |
| Community Investment | - | 225,000 | - | - | - | - | - |
| Cable Television Fund | - | 300,000 | - | - | - | - | - |
| Total Sources of Funds | \$ 59,725 | \$ 658,000 | \$ 150,000 | \$ 50,000 | \$ 70,000 | \$ 75,000 | \$ 50,000 |
| Uses | | | | | | | |
| Equipment-Fitness | \$ 35,000 | \$ 70,000 | \$ 50,000 | \$ 50,000 | \$ 70,000 | \$ 50,000 | \$ 50,000 |
| Furniture | - | 277,000 | 100,000 | - | - | - | - |
| Equipment-Community Center | 24,725 | 311,000 | - | - | - | 25,000 | - |
| Total Uses of Funds | \$ 59,725 | \$ 658,000 | \$ 150,000 | \$ 50,000 | \$ 70,000 | \$ 75,000 | \$ 50,000 |

The volume of use of the community center facility throughout the year causes wear and tear on furniture and equipment. Completion of these repair/replacements in a timely manner is necessary to maintain the appearance of the facility, to protect the investment in the building and to retain customers. An allowance is included in the City's comprehensive infrastructure replacement plan so that routine and periodic repairs can be made without impacting the Community Center operating budget.

Community Center Improvements

CC 10

Planned community center improvements and allowances for improvements to be determined in the future are listed below.

Building costs include:

- 2017 - \$ 13,609 add landscaping by waterslide and rock work by whirlpool
- 2018 - \$ 17,000 landscaping in pool area
- 2018 - \$200,000 indoor playground expansion

Improvement allowances include:

- 2019 - \$50,000 for items to be determined later
- 2020 - \$50,000 for items to be determined later
- 2021 - \$50,000 for items to be determined later
- 2022 - \$50,000 for items to be determined later
- 2023 - \$50,000 for items to be determined later

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Community Investment | \$ 13,609 | \$ 217,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| Total Sources of Funds | \$ 13,609 | \$ 217,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| Uses | | | | | | | |
| Municipal Buildings | \$ 13,609 | \$ 217,000 | \$ - | \$ - | \$ - | \$ - | \$ - |
| Improvement Allowance | - | - | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Total Uses of Funds | \$ 13,609 | \$ 217,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |

To preserve the vitality of the Community Center and continue to generate income in support of operating costs, it is important to offer new experiences to customers through periodic changes to the community center facility.

Community Ctr Expansion/Commons Park Imp

CC 12

The Community Center expansion project will add two separate additions onto the building. A two-story addition will be constructed adjacent to the gymnasium and add a series of fitness studios on the lower level, along with a new entry into an expanded indoor playground. The upper level will include a series of four multi-purpose meeting/activity rooms that will allow for expanded recreation program offerings. The project will also expand the indoor pool area to provide a new zero depth splash play pool with a larger interactive play structure targeted at youth between the ages of 2-12. The locker room areas will also be renovated to provide additional family changing areas.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Community Investment | \$ 921,977 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Debt-Property Taxes | 13,578,023 | - | - | - | - | - | - |
| Total Sources of Funds | \$ 14,500,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Municipal Buildings | \$ 14,500,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Uses of Funds | \$ 14,500,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

The expansion project will update and revitalize the Community Center through the provision of a major new water park addition and an expansion of the indoor playground. It will also increase the number of family changing areas for the waterpark. The expansion will also provide updated fitness studios, an enhanced fitness center area and additional multi-purpose meeting rooms which will allow for expanded recreation programming.

Water Systems

PWA 5

This project includes improvements to the City's water system.

2018 costs include:

- \$125,000 Well motor and electrical upgrades to be determined in the future.
- \$240,000 Installation of water mains to connect dead-ends on Chatsworth Street between Gramsie Road and County Road F and on Lexington Avenue south of the Westin Woods development.

2019 costs include:

- \$125,000 Well motor and electrical upgrades to be determined in the future.
- \$240,000 Installation of water mains to connect dead-ends on County Road E between Vivian Avenue and 1,000 feet east of Lexington Avenue.

2021 costs include:

- \$700,000 North tower interior wet rehabilitation and surface recoating.

2022 costs include:

- \$135,000 Well motor and electrical upgrades to be determined in the future.
- \$450,000 Installation of water mains and services to properties on St. Albans Court that are not currently served by City water. Assessments for the project, totaling \$62,200 are for water \$56,000 and Source and Supply \$6,200. Installation of water mains to connect dead-ends on Rice Street between Snail Lake Road and Bridge Street. Increase the size of pipe between the existing water main in the I-694 right of way and the existing water main in Victoria Street, south of the I-694 overpass.

2023 costs include:

- \$135,000 Well motor and electrical upgrades to be determined in the future.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|------------------|-------------------|-------------------|-----------------|-------------------|-------------------|-------------------|
| Resources | | | | | | | |
| Debt-Water Revenue | \$ - | \$ 365,000 | \$ 365,000 | \$ - | \$ 700,000 | \$ 529,000 | \$ 135,000 |
| Debt-Special Assessments | - | - | - | - | - | 56,000 | - |
| Total Sources of Funds | \$ - | \$ 365,000 | \$ 365,000 | \$ - | \$ 700,000 | \$ 585,000 | \$ 135,000 |
| Uses | | | | | | | |
| Water Tower | \$ - | \$ - | \$ - | \$ - | \$ 700,000 | \$ - | \$ - |
| Utility System Controls | - | 125,000 | 125,000 | - | - | 135,000 | 135,000 |
| Water Main | - | 240,000 | 240,000 | - | - | 450,000 | - |
| Total Uses of Funds | \$ - | \$ 365,000 | \$ 365,000 | \$ - | \$ 700,000 | \$ 585,000 | \$ 135,000 |

Improvements, rehabilitation, cleaning and inspection of the City's water system are planned in accordance with the City's Comprehensive Infrastructure Replacement Plan, which is reviewed and updated annually.

The well motors and electrical panels are nearing the end of their service life. Upgrades are required to maintain the City's water source supply infrastructure.

Extend water mains to areas currently not serviced by City water and create loops in the system by correcting dead-ends in various areas throughout the City, to improve the overall performance of the system by equalizing flow and pressure and providing redundant feed points.

Water Treatment Plant

PWA 17

The addition of a water treatment plant will address the issue of rising levels of iron and manganese in the City's wells. Water treatment will effectively remove dissolved iron and manganese from the City's water supply.

- 2015, 2016 and 2017 Construction and engineering consultant fees associated with construction of the water treatment plant

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Debt-Water Revenue | \$ 600,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Sources of Funds | \$ 600,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Uses | | | | | | | |
| Buildings-Proprietary | \$ 600,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total Uses of Funds | \$ 600,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

The water in most of the City's wells has manganese levels higher than the secondary standards set by the EPA. Some wells are showing signs of high levels of iron as well. Iron and manganese, at the levels found in Shoreview's water, are not considered harmful to health, but they can cause esthetic problems as well as taste and odor issues within the water system. Increasing levels of iron and manganese is supported by the steadily growing number of customer concerns or complaints regarding the color and/or look and feel of the City's water.

Sanitary Sewer Rehabilitation

PWA 6

The repair or rehabilitation of high-maintenance or defective sanitary sewer segments located within the City through technology or construction techniques which are unavailable to City maintenance crews. For instance, the City is actively pursuing the use of trenchless methods, and/or pipe re-lining, as an alternative to excavating in existing streets/neighborhoods.

- 2017 - \$200,000 miscellaneous areas throughout the City identified as highly susceptible to infiltration.
- 2019 - \$950,000 miscellaneous areas throughout the City identified as highly susceptible to infiltration.
- 2022 - \$471,000 miscellaneous areas throughout the City identified as highly susceptible to infiltration.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Debt-Sewer Revenue | \$ 200,000 | \$ - | \$ 950,000 | \$ - | \$ - | \$ 471,000 | \$ - |
| Total Sources of Funds | \$ 200,000 | \$ - | \$ 950,000 | \$ - | \$ - | \$ 471,000 | \$ - |
| Uses | | | | | | | |
| Sanitary Sewer | \$ 200,000 | \$ - | \$ 950,000 | \$ - | \$ - | \$ 471,000 | \$ - |
| Total Uses of Funds | \$ 200,000 | \$ - | \$ 950,000 | \$ - | \$ - | \$ 471,000 | \$ - |

Various sections of the City's sanitary sewer system are in need of repair or rehabilitation. Often, leaky and/or broken pipes and manholes are responsible for groundwater infiltration into the sewage system, resulting in higher sewage treatment costs for the City. The pipes and manholes in need of repair are also more likely to fail, resulting in sewage back-ups and resulting damage claims.

Sewer Lift Stations

PWA 3

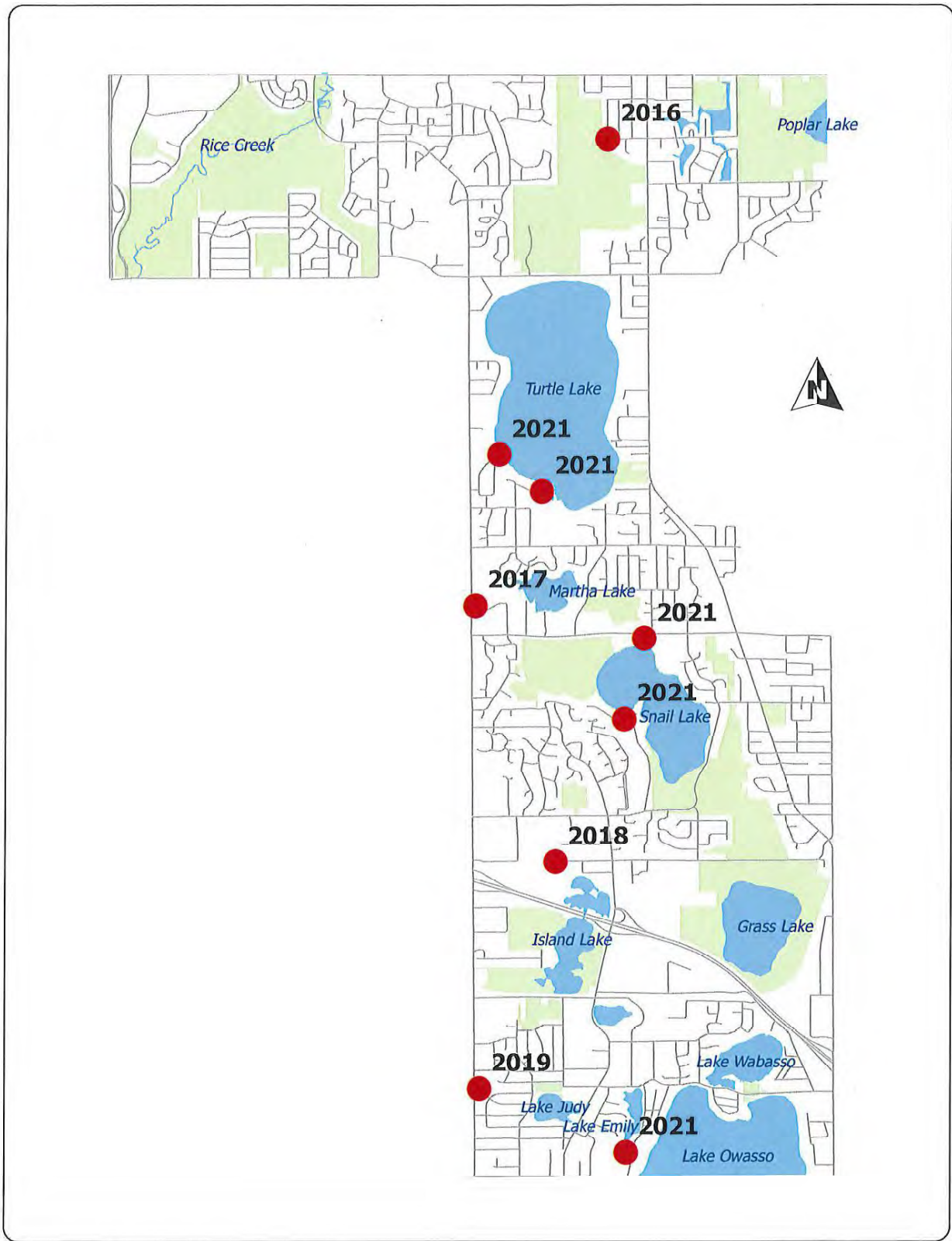
Sewer lift station improvements include updates and replacement of lift station equipment as well as system controls and monitoring capability.

Scheduled replacements and upgrades include:

- 2017 - update and improve controls and components at the North Lexington lift station
- 2018 - update and improve controls and components at the Gramsie lift station
- 2019 - update and improvement of controls and pumps/components at the South Lexington lift station
- 2021 - update 5 lift stations including: South Carlson, Reiland Lane, Turtle Lake, Dale & 96, and Oakridge
- 2022 - update controls locations to be determined in the future

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Debt-Sewer Revenue | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ - | \$ 75,000 | \$ 30,000 | \$ - |
| Total Sources of Funds | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ - | \$ 75,000 | \$ 30,000 | \$ - |
| Uses | | | | | | | |
| Sewer Lift Station | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ - | \$ 75,000 | \$ 30,000 | \$ - |
| Total Uses of Funds | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ - | \$ 75,000 | \$ 30,000 | \$ - |

Updates and improvements are planned in accordance with the City's comprehensive infrastructure replacement plan, which is reviewed and updated annually. Improvements include replacing transducers, floats, controls and pumps as necessary.



Surface Water Collection/Treatment/Reuse

PWA 2

Includes improvements to the City's surface water collection and treatment system. The following improvements are planned:

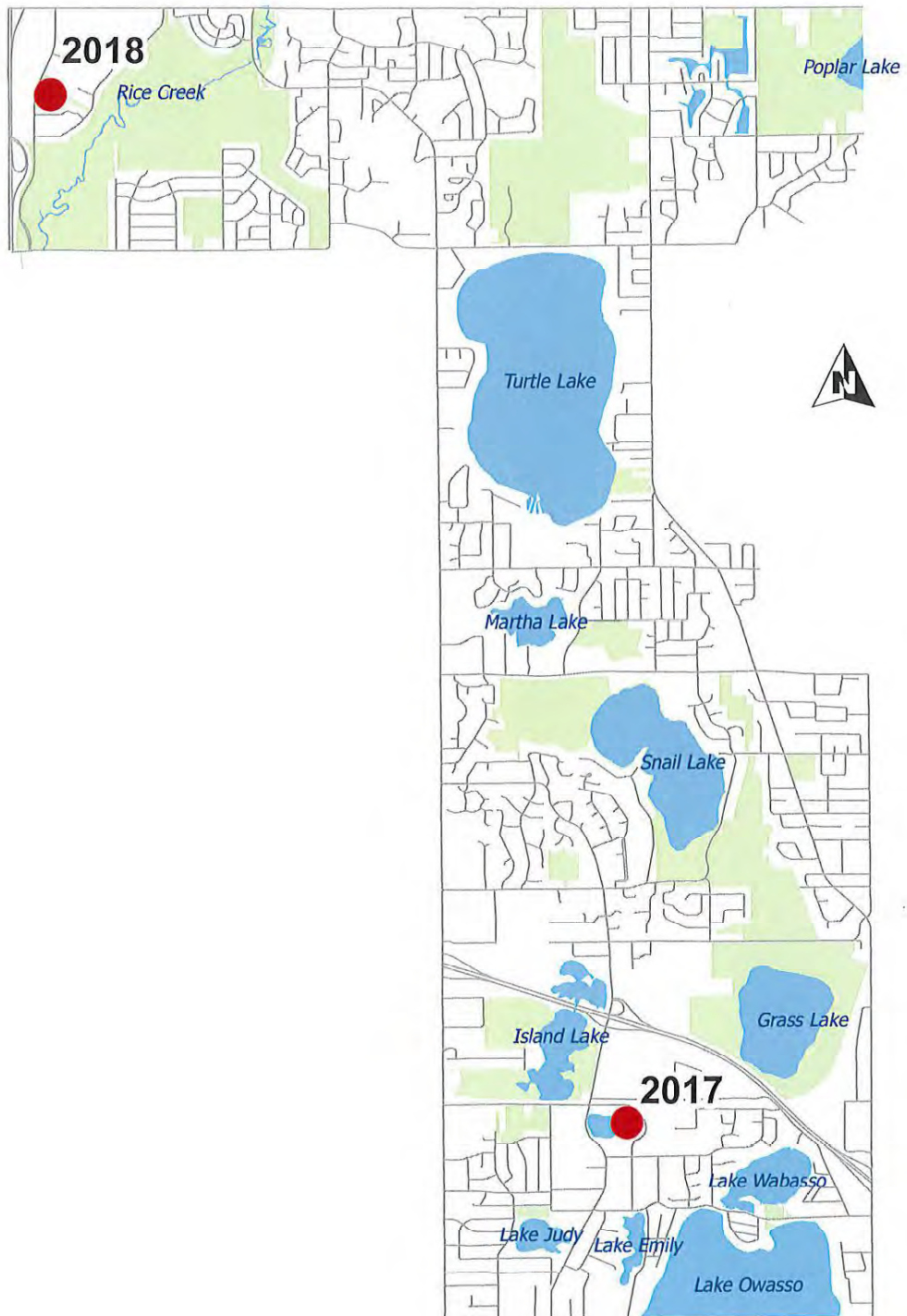
- 2017 - pretreatment structure installed on a storm pipe that discharges directly in the east shore of Shoreview Lake, subject to potential redevelopment of the adjacent multi-unit dwellings
- 2018 - storm water reuse to irrigate Rice Creek fields with water from Rice Creek Parkway ponds
- 2020 - rehabilitate or replace portions of the City's surface water and collection system in various locations throughout the City
- 2023 - rehabilitate or replace portions of the City's surface water and collection system in various locations throughout the City

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|-------------------|-------------------|-----------------|-------------------|-----------------|-----------------|-------------------|
| Resources | | | | | | | |
| Debt-Surface Water Revenue | \$ 120,000 | \$ 215,000 | \$ - | \$ 320,000 | \$ - | \$ - | \$ 230,000 |
| Grant | - | 150,000 | - | - | - | - | - |
| Total Sources of Funds | \$ 120,000 | \$ 365,000 | \$ - | \$ 320,000 | \$ - | \$ - | \$ 230,000 |
| Uses | | | | | | | |
| Storm Sewer | \$ 120,000 | \$ 365,000 | \$ - | \$ 320,000 | \$ - | \$ - | \$ 230,000 |
| Total Uses of Funds | \$ 120,000 | \$ 365,000 | \$ - | \$ 320,000 | \$ - | \$ - | \$ 230,000 |

Based on the City's Surface Water Management Plan, the projects have been identified to eliminate direct discharges and improve the quality of surface water runoff.

Recent trends for ground water conservation include the reuse of storm water for irrigation. Working in partnership with local watersheds, projects for reuse of storm water to irrigate City property have been identified.

Improvements, rehabilitation, cleaning and inspection of the City's surface water collection and treatment system are planned in accordance with the City's Comprehensive Infrastructure Replacement Plan, which is reviewed and updated annually.



Residential Street Lights

PWA 7

Replacement of City-owned street lighting components. This work typically includes poles, luminaries, power sources, wiring, etc. in residential neighborhoods. Based on factors including age, material types, and reliability, the City will identify high priority areas and work with a lighting contractor on the selection and installation of the components.

Replacement allowances reflect conversion of City-owned street lights to more efficient LED fixtures and the gradual replacement and transfer of ownership from Xcel Energy lights to City-owned lights.

Allowances for street light replacements are as follows:

- 2017 - 32 lights
- 2019 - 64 lights
- 2021 - 64 lights
- 2023 - 64 lights

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Street Lighting Fund | \$ 235,000 | \$ - | \$ 488,450 | \$ - | \$ 513,150 | \$ - | \$ 539,140 |
| Total Sources of Funds | \$ 235,000 | \$ - | \$ 488,450 | \$ - | \$ 513,150 | \$ - | \$ 539,140 |
| Uses | | | | | | | |
| Street Lighting | \$ 235,000 | \$ - | \$ 488,450 | \$ - | \$ 513,150 | \$ - | \$ 539,140 |
| Total Uses of Funds | \$ 235,000 | \$ - | \$ 488,450 | \$ - | \$ 513,150 | \$ - | \$ 539,140 |

To address the growing trend and costs associated with street lighting outages and repairs in residential neighborhoods. This project proposes to address street lighting needs on a neighborhood basis, as opposed to responding to customer complaints.

A substantial amount of residential development occurred in the 1970's and the 1980's, and the components typically used for street lighting in those neighborhoods are reaching the end of their useful life. For instance, hollow wood poles are subject to rotting and bird/insect damage, and direct-buried wiring (as opposed to wiring in conduit) causes increased lighting outages. The upgraded system (with metal or fiberglass poles, efficient luminaries and wiring) is expected to have lower operating costs, and a service life of at least 35 years.

Fire Equipment

ADM 2

An allowance for the replacement of fire vehicles and equipment is planned for Shoreview's share (at 62% of the total cost) of fire equipment, as estimated by the Lake Johanna Fire Department.

Truck replacements include:

- 2017 - \$486,700 fire truck and Chief's vehicle
- 2018 - \$120,900 rescue vehicle
- 2019 - \$ 39,593 Chief's vehicle
- 2020 - \$128,960 utility and Chief's vehicle
- 2021 - \$ 62,000 Chief's vehicle
- 2022 - \$465,000 engine ladder replacement
- 2023 - \$139,500 rescue vehicle replacement

Information systems estimates:

- 2017/2018 - \$ 2,232 each year for computer replacement

Self-Contained Breathing Apparatus (SCBA) equipment includes:

- 2019 - \$ 2,790 hydro test of SCBA bottles

Rescue equipment includes:

- 2017 - \$ 3,720 replace K-12 saw
- 2018 - \$ 4,836 charcoal fire hoods
- 2018 - \$ 2,480 replace AEDs

Miscellaneous equipment includes:

- 2017 - \$ 41,540 replace 1/3 of portable radios
- 2017 - \$ 4,960 tire replacement
- 2017 - \$ 2,356 mobile CAD
- 2018 - \$ 9,300 replace remainder of portable radios
- 2019 - \$ 4,960 tire replacement

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 541,508 | \$ 139,748 | \$ 47,343 | \$ 128,960 | \$ 62,000 | \$ 465,000 | \$ 139,500 |
| Total Sources of Funds | \$ 541,508 | \$ 139,748 | \$ 47,343 | \$ 128,960 | \$ 62,000 | \$ 465,000 | \$ 139,500 |
| Uses | | | | | | | |
| Fire Vehicles/Equipment | \$ 486,700 | \$ 120,900 | \$ 39,593 | \$ 128,960 | \$ 62,000 | \$ 465,000 | \$ 139,500 |
| Other Information Systems | 2,232 | 2,232 | - | - | - | - | - |
| SCBA Equipment | - | - | 2,790 | - | - | - | - |
| Equipment-Rescue | 3,720 | 7,316 | - | - | - | - | - |
| Equipment-Miscellaneous | 48,856 | 9,300 | 4,960 | - | - | - | - |
| Total Uses of Funds | \$ 541,508 | \$ 139,748 | \$ 47,343 | \$ 128,960 | \$ 62,000 | \$ 465,000 | \$ 139,500 |

Replacement of fire apparatus, rescue equipment and other equipment for the Fire Department is important to providing quality fire protection service to the community.

Warning Sirens

ADM 3

An allowance for the replacement/repair of warning sirens for each year is provided below.

- 2017 - \$15,000 Ramsey County radio control upgrades
- 2017 - \$25,000 Lake Judy Park siren replacement/Ramsey County radio control upgrades
- 2018 - \$35,000 Ramsey County radio control upgrades remaining sirens
- 2021 - \$18,000 Sherwood Road siren replacement
- 2023 - \$18,000 Well #6 siren replacement

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| General Fixed Asset Fund | \$ 40,000 | \$ 35,000 | \$ - | \$ - | \$ 18,000 | \$ - | \$ 18,000 |
| Total Sources of Funds | \$ 40,000 | \$ 35,000 | \$ - | \$ - | \$ 18,000 | \$ - | \$ 18,000 |
| Uses | | | | | | | |
| Public Safety | \$ 40,000 | \$ 35,000 | \$ - | \$ - | \$ 18,000 | \$ - | \$ 18,000 |
| Total Uses of Funds | \$ 40,000 | \$ 35,000 | \$ - | \$ - | \$ 18,000 | \$ - | \$ 18,000 |

Regular maintenance/replacement of sirens is necessary to maintain the effectiveness of the warning system.

In 2018 Ramsey County will be upgrading their radios and controllers. All 8 of Shoreviews sirens as well as the two sirens shared with neighboring communities will need radio upgrades in order to maintain radio communications with Ramsey Countys new system.

Computer Systems

FINA 1

An allowance for periodic upgrades and replacements to the City's information systems (hardware and software) is planned to ensure the continued effectiveness of the network. The five-year information systems plan has expanded in recent years to address system-wide technology needs, in part due to the increased integration between systems. As such, the plan provides for personal computers, printers (member card, desktop, multi-function, high-speed, CAD plotter/scanner), file servers, miscellaneous hardware/systems (card access, security cameras, image scanners, card scanners, mobile devices, building monitors, phone system, wireless capability), network storage, LAN infrastructure, LAN software (backup protection, server virtualization, email, calendar, etc.), and periodic upgrades and enhancements to specialized software (accounting, recreation, CAD, GIS, office, permits, etc.).

Replacement of the City's accounting software is planned for the years 2016 and 2017 at an estimated cost of \$394,440.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|-------------------|
| Resources | | | | | | | |
| Capital Acquisition (IT) | \$ - | \$ 26,500 | \$ 37,200 | \$ 15,000 | \$ - | \$ 5,000 | \$ 9,000 |
| General Fixed Asset Fund | 279,648 | 210,000 | 174,000 | 260,000 | 33,000 | 39,000 | 128,000 |
| Water Fund | 22,900 | - | - | 3,000 | - | - | - |
| Sewer Fund | 22,900 | - | - | 3,000 | - | - | - |
| Central Garage Fund | 4,304 | 6,000 | - | - | 5,000 | - | - |
| Total Sources of Funds | \$ 329,752 | \$ 242,500 | \$ 211,200 | \$ 281,000 | \$ 38,000 | \$ 44,000 | \$ 137,000 |
| Uses | | | | | | | |
| Computers | \$ 10,000 | \$ 15,500 | \$ 12,000 | \$ 12,000 | \$ 10,000 | \$ 10,000 | \$ 10,000 |
| Printers | 8,304 | 2,000 | 24,000 | 18,000 | 2,000 | 4,000 | 8,000 |
| Servers | - | 54,000 | - | 36,000 | - | - | 54,000 |
| Security Systems | 5,552 | 39,000 | 41,000 | 16,000 | 11,000 | 16,000 | 6,000 |
| Recovery/Backup Systems | 7,166 | 8,000 | - | 180,000 | - | - | - |
| Communication Systems | - | 60,000 | - | 5,000 | 2,000 | - | 10,000 |
| LAN/Network | 8,000 | 28,000 | 115,200 | 13,000 | 8,000 | 13,000 | 44,000 |
| Imaging/Records Storage | - | 20,000 | - | - | - | - | - |
| Specialized Applications | 288,730 | 15,000 | 5,000 | - | 5,000 | - | 5,000 |
| Other Information Systems | 2,000 | 1,000 | 14,000 | 1,000 | - | 1,000 | - |
| Total Uses of Funds | \$ 329,752 | \$ 242,500 | \$ 211,200 | \$ 281,000 | \$ 38,000 | \$ 44,000 | \$ 137,000 |

The City's computer systems are used extensively by staff, and the range and amount of use is continuing to expand. Timely replacements are necessary to maintain the productivity of the network, to protect the various systems, to provide adequate redundancy in the event of an emergency, and to keep pace with technology. Personal computers are replaced every 4 to 6 years, depending on the level of use. Other hardware is replaced as necessary for the productivity of the applicable system.

Central Garage Equipment

PWA 18

Central Garage equipment is scheduled for replacement based on an evaluation of equipment condition, repair records, incidence of breakdowns, and changing operational needs. The cost of operation and replacement of all Central Garage equipment is recovered through annual rent charges (paid by funds and activities that use the equipment throughout the year). Maintaining an efficient and effective fleet of equipment is essential to consistent service delivery.

| | 2017 Estimate | 2018 Planned | 2019 Planned | 2020 Planned | 2021 Planned | 2022 Planned | 2023 Planned |
|-----------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Resources | | | | | | | |
| Central Garage Fund | \$ 595,654 | \$ 572,000 | \$ 588,000 | \$ 580,000 | \$ 585,000 | \$ 580,000 | \$ 607,000 |
| Total Sources of Funds | \$ 595,654 | \$ 572,000 | \$ 588,000 | \$ 580,000 | \$ 585,000 | \$ 580,000 | \$ 607,000 |
| Uses | | | | | | | |
| Truck/s | \$ 326,533 | \$ 48,000 | \$ 405,000 | \$ 386,000 | \$ 285,000 | \$ 330,000 | \$ 120,000 |
| Staff Vehicle/s | - | 25,000 | - | - | 30,000 | - | 32,000 |
| Tractor/Mower/Loader/Cart | 65,330 | - | 50,000 | 100,000 | 156,000 | 45,000 | 45,000 |
| Field & Grounds Maint Equip | 68,841 | 37,000 | - | - | - | - | - |
| Chipper | - | 70,000 | - | - | - | - | - |
| Street Repair Equipment | - | - | 15,000 | - | - | 20,000 | - |
| Sweeper | - | 300,000 | - | - | - | - | 280,000 |
| Sewer Inspecting Equipment | - | - | - | - | - | - | 20,000 |
| Generator | - | - | - | - | - | 45,000 | - |
| Bobcat (annual rotation) | 42,000 | 42,000 | 43,000 | 44,000 | 44,000 | 50,000 | 50,000 |
| Equipment-Central Garage | 92,950 | 50,000 | 75,000 | 50,000 | 70,000 | 90,000 | 60,000 |
| Total Uses of Funds | \$ 595,654 | \$ 572,000 | \$ 588,000 | \$ 580,000 | \$ 585,000 | \$ 580,000 | \$ 607,000 |

This project provides for an annual equipment rotation for the bobcat skid steer, currently used by public works maintenance personnel in conjunction with excavating projects, pond maintenance, street patching, snow removal and tree planting/landscaping projects. The annual replacement (rotation) is cost effective because the annual cost to maintain the equipment (covering routine maintenance, tire repairs and replacements) continues to rise. The trade-in program for State and Local government agencies allows the City to trade in a piece of equipment that is 1-2 years old, and purchase a new piece of equipment using state purchasing contract pricing. The annual cost of repairs/replacements for the equipment is eliminated, and the City obtains a new bobcat skid steer for a net annual cost of approximately \$2,000. The City may elect to participate in the program each year, and is under no obligation to continue participation in the program in the future. This CIP project assumes using the annual rotation each year, and also assumes a net gain on the disposal of the equipment each year, because the trade-in value is high in the first 1-2 years.