



2020-2024
Proposed
CAPITAL IMPROVEMENT PLAN
EQUIPMENT REPLACEMENT PLAN

CITY OF ARDEN HILLS
Council Work Session October 21, 2019

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City of Arden Hills, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Economic Development								
Gateway Signs	20-EDA-001	n/a			246,130		40,000	286,130
Economic Development Total					246,130		40,000	286,130
Government Buildings								
City Hall Maintenance	20-Bldg-005	2		50,000	50,000	50,000	50,000	200,000
City Hall parking lot	20-Bldg-006	3	175,000					175,000
Government Buildings Total			175,000	50,000	50,000	50,000	50,000	375,000
Parks Department								
Hazelnut Park Improvements	19-Park-002	3	550,000					550,000
Hard Court Reconstruction	20-Park-001	3	275,000	110,000	120,000			505,000
Playground Structure Replacement	20-Park-003	3	210,000	220,000	230,000	120,000	0	780,000
Lake Valentine Road - Trail	24-Park-004	n/a					1,300,000	1,300,000
Old Hwy 10 Trail - 96 to Valentine Park	24-Park-005	n/a					2,700,000	2,700,000
Parks Department Total			1,035,000	330,000	350,000	120,000	4,000,000	5,835,000
Public Safety								
LJFD General Equipment	20-Pub-001	n/a	11,730	24,428	5,456		2,381	43,995
LJFD Rescue/Chief/Utility Vehicle Replacement	20-Pub-002	n/a	37,200	19,840		111,600		168,640
LJFD Station Capital	20-Pub-004	n/a	18,550	7,440	11,656			37,646
LJFD Engine/Ladder Replacement	22-Pub-001	n/a			186,000		76,880	262,880
Public Safety Total			67,480	51,708	203,112	111,600	79,261	513,161
Sanitary Sewer Department								
Utility Communication System	19-Sew-003	3	75,000					75,000
Lift Station Rehabilitation	20-Sew-001	3	100,000	60,000	80,000	175,000		415,000
Sewer Lining/Rehabilitation	20-Sew-002	3		200,000		200,000		400,000
Sanitary Sewer Department Total			175,000	260,000	80,000	375,000		890,000
Street Department								
Hamline Ave retaining wall	20-Str-004	2	130,000					130,000
Hamline Avenue crosswalks	20-Str-005	2	120,000					120,000
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	2,850,000					2,850,000
Lexington Improvements	21-Str-006	2	20,000	690,701				710,701
2022 PMP	22-Str-005	2		175,000	2,325,000			2,500,000
2024 PMP	24-Str-001	2				130,000	2,370,000	2,500,000
Street Department Total			3,120,000	865,701	2,325,000	130,000	2,370,000	8,810,701
Surface Water Management Dept								
Karh Lake retaining wall, pump, control panel	20-Storm-001	2	142,000					142,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Storm Pond and Outfall Maintenance	20-Storm-002	2	100,000	150,000	100,000	100,000	100,000	550,000
Surface Water Management Dept Total			242,000	150,000	100,000	100,000	100,000	692,000
GRAND TOTAL			4,814,480	1,707,409	3,354,242	886,600	6,639,261	17,401,992

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Economic Development
Contact Community Devl Dir
Type Improvement
Useful Life
Category Economic Devl Improvement
Priority n/a

Project # 20-EDA-001
Project Name Gateway Signs

TCAAP No

Total Project Cost: \$286,130

Description

Install gateway signs at major entry points to the City. Potential locations for signs include: (1) Highway 96 at Round Lake Road, (2) Highway 96 at Lexington Avenue, (3) County Road E at Highway 51, (4) County Road E at Lexington Avenue, (5) Lexington Avenue at County Road F, and (6) Lexington Avenue at County Road D. Potential sign locations are not listed in order of priority and are subject to change.

There are three existing gateway signs in the following locations: (1) County Road E2 at I-35W, (2) County Road D at Cleveland Avenue, and (3) Lake Johanna Boulevard at the Roseville border.

The cost for a typical sign is \$25,000, including installation, lighting and landscaping. Actual costs will vary depending on the amount of site improvements and/or landscaping that is necessary in a specific location.

The City has discussed completing the gateway sign at Highway 96 and Lexington Avenue as being a priority. Based on preliminary cost estimates completed for the sign in 2018, staff has budgeted \$246,130 for completing this gateway sign in 2022. This amount includes final design, construction and inspection costs as well as a contingency.

Staff has budgeted \$40,000 for the completion of an additional gateway sign in 2024 at a location to be determined.

Justification

Advance the economic development goals in the 2030 Comprehensive Plan. Implement the Guiding Plan for the B2 District. Work to better identify the entrance points to the City for businesses and visitors. Foster civic pride and community identity.

As discussed with the Council, the plan is to highlight existing signs and look at recommendations in 2020.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance			246,130		40,000	286,130
Total			246,130		40,000	286,130

Funding Sources	2020	2021	2022	2023	2024	Total
EDA General Fund			246,130		40,000	286,130
Total			246,130		40,000	286,130

Budget Impact/Other

Annual maintenance costs for sign cleaning and care of landscaping is estimated by the Public Works Department at \$500 per sign annually.

Budget Items	2020	2021	2022	2023	2024	Total
Annual Maintenance Charge	1,500	1,500	1,500	2,000	2,000	8,500
Total	1,500	1,500	1,500	2,000	2,000	8,500

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Government Buildings
Contact Finance Director
Type Maintenance
Useful Life 10
Category Building Repair & Maint
Priority 2 Very Important

Project # 20-Bldg-005
Project Name City Hall Maintenance

TCAAP No

Description **Total Project Cost: \$200,000**
 City Hall will require ongoing maintenance and replacement of items to maintain operational duties (carpet, painting, HVAC, etc.).

Justification
 Items will be due for replacement, and will save the City future repair costs by replacing them in the near-term.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		50,000	50,000	50,000	50,000	200,000
Total		50,000	50,000	50,000	50,000	200,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		50,000	50,000	50,000	50,000	200,000
Total		50,000	50,000	50,000	50,000	200,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

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Department Government Buildings
Contact Building Official
Type Improvement
Useful Life 20
Category Building Repair & Maint
Priority 3 Important

Project # 20-Bldg-006
Project Name City Hall parking lot

TCAAP No

Description **Total Project Cost: \$190,000**
 Reconstruct City Hall parking lot including sidewalk repairs. Replace five parking lot lights.

Justification
 The parking lot is in need of repairs including subgrade corrections and replacement of damaged curbing.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	175,000					175,000
Total	175,000					175,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund	175,000					175,000
Total	175,000					175,000

Budget Impact/Other

Capital Improvement Plan
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Department Parks Department
Contact Public Works Director
Type Improvement
Useful Life
Category Park Maintenance
Priority 3 Important

Project # 19-Park-002
Project Name Hazelnut Park Improvements

TCAAP No

Description **Total Project Cost: \$620,000**
 Improvements to the parking lot and replacement of warming house in Hazelnut Park.
 The estimated cost of the warming house assumes construction of a 20 ft by 25 ft wood frame structure on a concrete foundation - \$150,000.
 The estimated cost of parking lot improvements assumes that the total cost of \$800,000 will be shared equally with the adjacent church or the City will proceed with reconstructing a portion of the parking area primarily used by park users - \$400,000.

Justification
 The parking lot has deteriorated to the point that routine maintenance is no longer effective.
 Warming house needs to be replaced due to 2018 fire, with improved site visibility and access.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	550,000					550,000
Total	550,000					550,000

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)	515,500					515,500
Trade-In Value	34,500					34,500
Total	550,000					550,000

Budget Impact/Other

Capital Improvement Plan
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Department Parks Department
Contact Public Works Director
Type Improvement
Useful Life 20-25
Category Park Capital Improvements
Priority 3 Important

Project # 20-Park-001
Project Name Hard Court Reconstruction

TCAAP No

Description	Total Project Cost: \$505,000
Floral Park Tennis and Basketball Courts - 2020 \$275,000	
Freeway Park Basketball Court - Reconstruct 2021 \$110,000	
Arden Oaks Basketball Court - Reconstruct 2022 \$120,000	

Justification
 The cracks at some parks cannot be resolved with a basic resurface. Having a maintenance schedule that includes reconstruction and resurfacing of the courts will keep the costs down for years to come. The court life with the proper maintenance is 25 years. Resurfacing should take place every 5-7 years to keep the courts in good shape before they need to be completely reconstructed.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	275,000	110,000	120,000			505,000
Total	275,000	110,000	120,000			505,000

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)	275,000	110,000	120,000			505,000
Total	275,000	110,000	120,000			505,000

Budget Impact/Other

Capital Improvement Plan
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Department Parks Department
Contact Park & Recreation Mgr
Type Improvement
Useful Life
Category Park Capital Equipment
Priority 3 Important

Project # 20-Park-003
Project Name Playground Structure Replacement

TCAAP No

Description	Total Project Cost: \$780,000
Play Structures are replaced on a 20 year replacement pattern.	
2020 Arden Oaks Park last replaced in 1999 - \$105,000 Arden Manor Park last replaced in 1999 - \$105,000	
2021 Freeway Park last replaced in 1998 - \$110,000 Ingerson Park last replaced in 2000 - \$110,000	
2022 Floral Park last replaced in 2001 - \$115,000 Sampson Park last replaced 2001- \$115,000	
2023 Royal Hills Park last replaced 2002 - \$120,000	

Justification
 In order to maintain playground structures that meet current safety guidelines, require a minimum amount of maintenance, and have replacement parts available, a 20 year replacement schedule was established.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	210,000	220,000	230,000	120,000	0	780,000
Total	210,000	220,000	230,000	120,000	0	780,000
Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)	210,000	220,000	230,000	120,000	0	780,000
Total	210,000	220,000	230,000	120,000	0	780,000

Budget Impact/Other
 By replacing playground structures the City will see future cost savings by not having to purchase replacement parts for aging playground structures.

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Department Parks Department
Contact Public Works Director
Type Improvement
Useful Life 20
Category Park Capital Improvements
Priority n/a

Project # 24-Park-004
Project Name Lake Valentine Road - Trail

TCAAP No

Description **Total Project Cost: \$1,300,000**
 Construct a 8' bituminous trail along the south side of Lake Valentine Road from Mounds View High School toward Old Snelling Road.

Justification
 Identified in the Trail Master Plan.
 State bond funding will be looked into.

Expenditures	2020	2021	2022	2023	2024	Total
Planning/Design					91,000	91,000
Construction/Maintenance					1,209,000	1,209,000
Total					1,300,000	1,300,000

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)					91,000	91,000
State Aid					1,209,000	1,209,000
Total					1,300,000	1,300,000

Budget Impact/Other
 Plowing and maintaining this sidewalk would cost approximately \$2 per foot to maintain.

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Department Parks Department
Contact Public Works Director
Type Improvement
Useful Life 20
Category Park Capital Improvements
Priority n/a

Project # 24-Park-005
Project Name Old Hwy 10 Trail - 96 to Valentine Park

TCAAP No

Description **Total Project Cost: \$2,700,000**
 Construct a trail along Old Highway 10/Old Snelling from Highway 96 to Lake Valentine Park.

Justification
 State bond funding will be looked into.

Expenditures	2020	2021	2022	2023	2024	Total
Planning/Design					189,000	189,000
Construction/Maintenance					2,511,000	2,511,000
Total					2,700,000	2,700,000

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)					189,000	189,000
State Aid					2,511,000	2,511,000
Total					2,700,000	2,700,000

Budget Impact/Other
 Plowing and maintaining this sidewalk would cost approximately \$2 per foot to maintain.

Capital Improvement Plan
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Department Public Safety
Contact City Administrator
Type Equipment
Useful Life
Category Public Safety
Priority n/a

Project # 20-Pub-001
Project Name LJFD General Equipment

TCAAP No

Description	Total Project Cost: \$43,995
Lake Johanna Fire Department provides a detailed capital budget which includes the costs to each City.	
2020 - Computer equipment, radios, fire hose tester, rescue raft, gas monitors Total Cost: \$47,300 Arden Hills Cost: \$11,730	
2021 - Vests, rescue boat, rescue tools Total Cost: \$98,500 Arden Hills Cost: \$24,428	
2022 - Replace air bags Total Cost: \$22,000 Arden Hills Cost: \$5,456	
2024 - Radios, SCBA bottles Total Cost: \$9,600 Arden Hills Cost: \$2,381	

Justification
 More detailed explanations can be found in the Lake Johanna Capital Budget.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	11,730	24,428	5,456		2,381	43,995
Total	11,730	24,428	5,456		2,381	43,995

Funding Sources	2020	2021	2022	2023	2024	Total
Public Safety Capital Fund	11,730	24,428	5,456		2,381	43,995
Total	11,730	24,428	5,456		2,381	43,995

Budget Impact/Other
 There are no impacts to the operating budget of the City as it contracts for Fire Services from Lake Johanna Fire Department. Any savings as a result of this project would be reflected in the fire services contract in reduced maintenance costs.

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Department Public Safety
Contact City Administrator
Type Equipment
Useful Life
Category Public Safety
Priority n/a

Project # 20-Pub-002
Project Name LJFD Rescue/Chief/Utility Vehicle Replacement

TCAAP No

Description	Total Project Cost: \$168,640
<p>Lake Johanna Fire Department provides the City with a Capital Budget each year outlining expected capital outflows, the fire department has budgeted for the replacement of Rescue/Chief/Utility vehicles in future years.</p> <p>2020 Vehicle Replacement, tires Total Cost: \$150,000 Arden Hills Cost: \$37,200</p> <p>2021 Vehicle Replacement Total Cost: \$80,000 Arden Hills Cost: \$19,840</p> <p>2023 Vehicle Replacement Total Cost: \$450,000 Arden Hills Cost: \$111,600</p>	

Justification
 More detailed explanations can be found in the Lake Johanna Capital Budget.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	37,200	19,840		111,600		168,640
Total	37,200	19,840		111,600		168,640

Funding Sources	2020	2021	2022	2023	2024	Total
Public Safety Capital Fund	37,200	19,840		111,600		168,640
Total	37,200	19,840		111,600		168,640

Budget Impact/Other
 There are no impacts to the operating budget of the City as it contracts for Fire Services from Lake Johanna Fire Department. Any savings as a result of this project would be reflected in the fire services contract in reduced maintenance costs.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Public Safety
Contact City Administrator
Type Equipment
Useful Life
Category Public Safety
Priority n/a

Project # 20-Pub-004
Project Name LJFD Station Capital

TCAAP No

Description	Total Project Cost: \$37,646
<p>Lake Johanna Fire Department provides the City with a Capital Budget each year outlining expected capital outflows, below shows what the fire department expects to spend on station related capital expenditures.</p> <p>2020 Lounge chairs; replace windows; interior painting; white board; pallet rack; kitchen table & chairs Total Cost: \$74,800 Arden Hills Cost: \$18,550</p> <p>2021 Interior painting Total Cost: \$30,000 Arden Hills Cost: \$7,440</p> <p>2022 Resurface bay floors Total Cost: \$47,000 Arden Hills Cost: \$11,656</p> <p>No expenditures budgeted after 2022</p> <p>A new fire station is planned in the future. No costs are included for this expenditure in this CIP.</p>	

Justification
<p>More detailed explanations can be found in the Lake Johanna Capital Budget.</p>

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	18,550	7,440	11,656			37,646
Total	18,550	7,440	11,656			37,646

Funding Sources	2020	2021	2022	2023	2024	Total
Public Safety Capital Fund	18,550	7,440	11,656			37,646
Total	18,550	7,440	11,656			37,646

Budget Impact/Other
<p>There are no impacts to the operating budget of the City as it contracts for Fire Services from Lake Johanna Fire Department. Any savings as a result of this project would be reflected in the fire services contract in reduced maintenance costs.</p>

Capital Improvement Plan
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Department Public Safety
Contact City Administrator
Type Equipment
Useful Life
Category Public Safety
Priority n/a

Project # 22-Pub-001
Project Name LJFD Engine/Ladder Replacement

TCAAP No

Description	Total Project Cost: \$262,880
<p>Lake Johanna Fire Department provides the City with a Capital Budget each year outlining expected capital outflows, the fire department has budgeted for the replacement of a fire engine in future years.</p> <p>2022 Engine Replacement Total Cost: \$750,000 Arden Hills Cost: \$186,000</p> <p>2024 Engine Replacement Total Cost: \$310,000 Arden Hills Cost: \$76,880</p>	

Justification
<p>More detailed explanations can be found in the Lake Johanna Capital Budget.</p>

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings			186,000		76,880	262,880
Total			186,000		76,880	262,880

Funding Sources	2020	2021	2022	2023	2024	Total
Public Safety Capital Fund			186,000		76,880	262,880
Total			186,000		76,880	262,880

Budget Impact/Other
<p>There are no impacts to the operating budget of the City as it contracts for Fire Services from Lake Johanna Fire Department. Any savings as a result of this project would be reflected in the fire services contract in reduced maintenance costs.</p>

Capital Improvement Plan
City of Arden Hills, Minnesota

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Department Sanitary Sewer Department
Contact Public Works Director
Type Improvement
Useful Life
Category Sanitary Sewer Maintenance
Priority 3 Important

Project # 19-Sew-003
Project Name Utility Communication System

TCAAP No

Description **Total Project Cost: \$100,000**
 Purchase and implementation of supervisory control and data acquisition (SCADA) technology for communications with the City's sewer and water infrastructure including lift stations, booster station and water towers.

Justification
 New equipment for efficiency in utility operations. The City's current system is web based and needs to be assessed for a more reliable system as additional facilities are added to the City's system.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	75,000					75,000
Total	75,000					75,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sanitary Sewer Utility Fund	37,500					37,500
Water Utility Funds	37,500					37,500
Total	75,000					75,000

Budget Impact/Other
 Improving communications will provide efficient response for infrastructure needs.

Capital Improvement Plan
City of Arden Hills, Minnesota

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Department Sanitary Sewer Department
Contact Public Works Director
Type Maintenance
Useful Life 20
Category Sanitary Sewer Maintenance
Priority 3 Important

Project # 20-Sew-001
Project Name Lift Station Rehabilitation

TCAAP No

Description	Total Project Cost: \$415,000
Rehabilitation of lift stations to standardize and replace aging equipment, including pumps and electrical panels.	
Lift Station 10 - Manhole, wet well mod, pumps, piping and panel (2020)	
Lift Station 3 - Panel (2021)	
Lift Station 14 - Pumps and panel (2022)	
Lift Station 5 - Forcemain (2023)	

Justification
Standardization of equipment provides more efficiency in the maintenance of the lift stations.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	100,000	60,000	80,000	175,000		415,000
Total	100,000	60,000	80,000	175,000		415,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sanitary Sewer Utility Fund	100,000	60,000	80,000	175,000		415,000
Total	100,000	60,000	80,000	175,000		415,000

Budget Impact/Other
Reduced maintenance costs.

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Department Sanitary Sewer Department
Contact Public Works Director
Type Maintenance
Useful Life 30
Category Sanitary Sewer Maintenance
Priority 3 Important

Project # 20-Sew-002
Project Name Sewer Lining/Rehabilitation

TCAAP No

Description **Total Project Cost: \$400,000**
 Sewer Lining and Rehabilitation for years where there is no street project scheduled.

Justification
 As part of our sanitary sewer program, lines found with holes and cracks allowing for infiltration should be lined or repaired as needed. As the sewer infrastructure is aging, we should plan for a rehabilitation project on an annual basis.
 Estimates show a remaining need of 16 miles of pipe at \$1.4 to 2.0 million. Set a funding level of \$200K per year. In years where there is a street project, the \$200K is included with the project.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		200,000		200,000		400,000
Total		200,000		200,000		400,000

Funding Sources	2020	2021	2022	2023	2024	Total
Sanitary Sewer Utility Fund		200,000		200,000		400,000
Total		200,000		200,000		400,000

Budget Impact/Other
 This project will help the overall I&I reduction program. Savings are estimated at this time based on part of the surcharge fees for I&I by the Metropolitan Council.

Capital Improvement Plan
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Department Street Department
Contact Public Works Director
Type Improvement
Useful Life
Category Streets:Misc
Priority 2 Very Important

Project # 20-Str-004
Project Name Hamline Ave retaining wall

TCAAP No

Description **Total Project Cost: \$130,000**
 Three sections of retaining walls along the west side of Hamline Avenue are deteriorated and in need of reconstruction. Estimate assumes smaller walls will be replaced with assistance from ICWC program.

Justification

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	130,000					130,000
Total	130,000					130,000

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)	130,000					130,000
Total	130,000					130,000

Budget Impact/Other

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Department Street Department
Contact Public Works Director
Type Improvement
Useful Life
Category Streets:Misc
Priority 2 Very Important

Project # 20-Str-005
Project Name Hamline Avenue crosswalks

TCAAP No

Description **Total Project Cost: \$142,000**

This project consists of improvements to two crosswalks on Hamline Avenue south of Highway 96. One at the intersection of Wyncrest Court and one midblock between Indian Oaks Circle and Eide Circle.

Improvements include construction of a raised center median and curb ramp improvements for ADA compliance. The project budget assumes a total cost fo \$120,000, with \$60,000 in cost participation from Ramsey County.

Justification

Improvements are being recommended due to concerns with pedestrian safety.

It is proposed to utilize funds from the 2019 General Fund Street Maintenance budget for this project by transferring money in 2019.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	120,000					120,000
Total	120,000					120,000

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Improvement Funds (PIR)	60,000					60,000
Ramsey County	60,000					60,000
Total	120,000					120,000

Budget Impact/Other

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Department Street Department
Contact Public Works Director
Type Improvement
Useful Life 20-25
Category Streets: Reconstruction
Priority 2 Very Important

Project # 20-Str-006
Project Name Old Snelling Ave PMP w/ Intersection Impr at CR E

TCAAP No

Description **Total Project Cost: \$3,000,000**

The City and County have programmed improvements for the intersection of County Road E and Old Snelling Road, including the proposed construction of a roundabout. The Ramsey County TIP currently identifies project funding for this intersection improvement. The City has identified the need for improvements to the intersection and for Old Snelling Avenue from County Road E to TH 51. The anticipated improvements include the following:

- Reconstruction of Old Snelling Avenue from County Road E to Highway 51 (Snelling Ave);
- Construction of a single lane roundabout at the intersection of County Road E and Old Snelling Avenue in partnership with Ramsey County;
- Construction of a pedestrian trail along Old Snelling Avenue from County Road E to Highway 51;
- Replacement of watermain, sanitary sewer and storm sewer based on a condition assessment currently underway.

Justification

The existing roadway currently has a minimal storm water management system in place.

Snelling from TH51 to Co Rd E, 2018 PCI = 19

Utilities
 Watermain - no history of problems
 Sanitary Sewer - pipe condition being evaluated.
 Storm Sewer - project must meet Rice Creek Watershed District requirements.

In order to better understand the project costs for this road segment, a feasibility report is being prepared to determine recommended improvements. Results of the survey and knowledge of existing conditions will assist in determining potential rehabilitation measures and associated construction cost estimates. The level of improvement will determine the storm water requirements.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	2,850,000					2,850,000
Total	2,850,000					2,850,000

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments	240,000					240,000
Capital Improvement Funds (PIR)	660,000					660,000
Ramsey County	1,125,000					1,125,000
Sanitary Sewer Utility Fund	100,000					100,000
State Aid	525,000					525,000
Surface Water Mgmt Utility Funds	150,000					150,000
Water Utility Funds	50,000					50,000
Total	2,850,000					2,850,000

Budget Impact/Other

The street has deteriorated past the point where other forms of maintenance are cost-effective. Long-term, reconstruction will provide a consistent roadway section that will reduce costs associated with patching potholes and other pavement failures. Monitoring/maintenance will be required for new storm water features that are not resident-maintained rain gardens.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Street Department
Contact Public Works Director
Type Improvement
Useful Life
Category Streets:Misc
Priority 2 Very Important

Project # 21-Str-006
Project Name Lexington Improvements

TCAAP No

Description **Total Project Cost:** \$710,701
 Ramsey County has plans to reconstruct Lexington Ave from County Road E to 694. Includes a new traffic signal at the Target/Lexington Station entrance.
 Roberts Management will be assessed for signal costs.

Justification
 Improvements to Lexington Ave will improve access, circulation and safety for the traveling public.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	20,000	690,701				710,701
Total	20,000	690,701				710,701

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments		166,595				166,595
Capital Improvement Funds (PIR)		166,595				166,595
Water Utility Funds	20,000	357,511				377,511
Total	20,000	690,701				710,701

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Street Department
Contact Public Works Director
Type Improvement
Useful Life 30
Category Streets: Reconstruction
Priority 2 Very Important

Project # 22-Str-005
Project Name 2022 PMP

TCAAP No

Description **Total Project Cost: \$2,500,000**
 2022 PMP - Lake Valentine Rd / Glenpaul Ave / Jerrold Ave / Prior Ave / Edgewater Ave

Justification
 To plan for future PMP's, every other year on the even year.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		175,000	2,325,000			2,500,000
Total		175,000	2,325,000			2,500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments			750,000			750,000
Capital Improvement Funds (PIR)		125,000	375,000			500,000
Sanitary Sewer Utility Fund		20,000	380,000			400,000
State Aid			250,000			250,000
Surface Water Mgmt Utility Funds		10,000	190,000			200,000
Water Utility Funds		20,000	380,000			400,000
Total		175,000	2,325,000			2,500,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Street Department
Contact Public Works Director
Type Improvement
Useful Life 30
Category Streets: Reconstruction
Priority 2 Very Important

Project # 24-Str-001
Project Name 2024 PMP

TCAAP No

Description **Total Project Cost: \$2,500,000**
 2024 PMP - Arden Oaks Dr / Arden Oaks Ct / Indian Pl / Indian Circle / Eide Circle

Justification
 To plan for future PMP's, every other year on the even year.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance				130,000	2,370,000	2,500,000
Total				130,000	2,370,000	2,500,000

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments					750,000	750,000
Capital Improvement Funds (PIR)				80,000	670,000	750,000
Sanitary Sewer Utility Fund				20,000	380,000	400,000
Surface Water Mgmt Utility Funds				10,000	190,000	200,000
Water Utility Funds				20,000	380,000	400,000
Total				130,000	2,370,000	2,500,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Surface Water Management D
Contact Public Works Director
Type Improvement
Useful Life 20
Category Storm Water Maintenance
Priority 2 Very Important

Project # 20-Storm-001
Project Name Karth Lake retaining wall, pump, control panel

TCAAP No

Description **Total Project Cost: \$142,000**
 Replace failing Retaining Wall \$100,000 (50% City; 50% Karth Lake District).
 Replace Pump \$12,000 (100% Karth Lake District).
 Replace Control Panel \$30,000 (100% Karth Lake District).

Justification
 Existing retaining wall is in need of repairs, pump has failed and control panel is in need of upgrades or replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	142,000					142,000
Total	142,000					142,000

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments	92,000					92,000
Surface Water Mgmt Utility Funds	50,000					50,000
Total	142,000					142,000

Budget Impact/Other
 Prevent erosion and address park safety issues.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Surface Water Management D
Contact Public Works Director
Type Maintenance
Useful Life 20-25
Category Storm Water Maintenance
Priority 2 Very Important

Project # 20-Storm-002
Project Name Storm Pond and Outfall Maintenance

TCAAP No

Description **Total Project Cost: \$550,000**
 Perform maintenance on pond outfalls as required by the City's MS4 permit. Re-inspection of outfalls in 2021.
 HR Green is currently doing an audit of the system. The results will tell us if the placeholders are needed and what the cost will be.

Justification
 Outfall maintenance is required by the City's MS4 permit issued by the MPCA.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	100,000	150,000	100,000	100,000	100,000	550,000
Total	100,000	150,000	100,000	100,000	100,000	550,000

Funding Sources	2020	2021	2022	2023	2024	Total
Surface Water Mgmt Utility Funds	100,000	150,000	100,000	100,000	100,000	550,000
Total	100,000	150,000	100,000	100,000	100,000	550,000

Budget Impact/Other
 Annual maintenance.

City of Arden Hills, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Equipment								
Replace 2010 Bobcat Toolcat (Unit 435)	20-Eqp-006	n/a	40,000					40,000
Replace 2012 F-350 Truck (Unit 203)	20-EqpV-005	3	48,000					48,000
Replace 2010 F-350 Truck (Unit 210)	20-EqpV-009	3	46,000					46,000
Replace 1997 Toro Groundsmaster (Unit 409)	21-Eqp-001	3		60,000				60,000
Replace 1996 Wacker 880 Roller (Unit 106)	21-Eqp-002	3		10,000				10,000
Trade in Program Toro Z Mowers (458 & 459)	21-Eqp-003	3		30,000				30,000
Replace 2001 Toro Workman (Unit 411)	21-Eqp-004	3		25,000				25,000
Replace 2005 Felling Trailer (Unit 414)	21-Eqp-005	4		10,000				10,000
Replace F-450 Truck (Unit 211)	21-EqpV-001	3		80,000				80,000
Replace Sterling Acterra Truck (Unit 431)	22-EqpV-001	3			160,000			160,000
Building Inspector Vehicle (Unit 504)	22-EqpV-002	n/a			36,000			36,000
Replace International Plow Truck (Unit 120)	23-EqpV-001	n/a				125,000	135,000	260,000
Equipment Total			134,000	215,000	196,000	125,000	135,000	805,000
GRAND TOTAL			134,000	215,000	196,000	125,000	135,000	805,000

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 10
Category Equipment: Public Works
Priority n/a

Project # 20-Eqp-006
Project Name Replace 2010 Bobcat Toolcat (Unit 435)

TCAAP No

Description	Total Project Cost: \$40,000
Replace 2010 Bobcat Toolcat (unit 435). Hours 1,573	

Justification
Equipment has reached the end of its useful life. Cost includes trade-in value. Parts and labor costs: 2018 - \$4,200 This piece of equipment is used year round. Salt has caused corrosion and repairs are becoming more frequent.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	40,000					40,000
Total	40,000					40,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund	40,000					40,000
Total	40,000					40,000

Budget Impact/Other
Time efficiency resulting in labor savings.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 10
Category Vehicles
Priority 3 Important

Project # 20-EqpV-005
Project Name Replace 2012 F-350 Truck (Unit 203)

TCAAP No

Description **Total Project Cost: \$48,000**
 Replace unit #203 2012 F350 with v-plow and lift gate.
 Vin # 1FT8X3B61CEB85202
 Mileage 77,381

Justification
 Unit 203 has excessive wear from plowing and working on construction sites. Will also look at adding a utility body to safely transport tools and miscellaneous parts.
 Parts and labor costs:
 2018 -\$4,600

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	48,000					48,000
Total	48,000					48,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund	48,000					48,000
Total	48,000					48,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 10
Category Vehicles
Priority 3 Important

Project # 20-EqpV-009
Project Name Replace 2010 F-350 Truck (Unit 210)

TCAAP No

Description **Total Project Cost: \$46,000**
 Vehicle #210 - 2010 Ford F350 with lift gate and sign board.
 VIN # 1FTWF3B52AEA23206
 Mileage 54,517

Justification
 Vehicle has reached the end of its useful life. The electronic sign board will also be replaced.
 Parts and labor costs:
 2018 - \$1,400

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings	46,000					46,000
Total	46,000					46,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund	46,000					46,000
Total	46,000					46,000

Budget Impact/Other
 Reduce maintenance and repair costs.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 10
Category Equipment: Public Works
Priority 3 Important

Project # 21-Eqp-001
Project Name Replace 1997 Toro Groundsmaster (Unit 409)

TCAAP No

Description **Total Project Cost: \$60,000**
 Replace Equipment # 409 - 1997 Toro Groundsmaster.
 Vehicle # 85409
 Hours 2,915

Justification
 Parts and labor costs:
 2018 - \$1,300
 Equipment will be 24 years old.
 Used for trail and off-road mowing. Machine is 4wd and replacement parts are becoming more difficult to find due to age.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		60,000				60,000
Total		60,000				60,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		60,000				60,000
Total		60,000				60,000

Budget Impact/Other
 Reduce equipment repairs and maintenance costs.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 15-17
Category Equipment: Public Works
Priority 3 Important

Project # 21-Eqp-002
Project Name Replace 1996 Wacker 880 Roller (Unit 106)

TCAAP No

Description **Total Project Cost: \$10,000**
 Replace Equipment #106 - 1996 Wacker Roller.
 VIN # 673603994
 Hours: 855
 This piece of equipment was included in previous CIP's but has been deferred to allow time to determine the size roller that would work best based on the amount of work the PW staff is able to complete. Also, staff evaluates its condition each year to evaluate its reliability.

Justification
 Equipment will be 25 years old.
 Parts and labor costs:
 2018 - \$425

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		10,000				10,000
Total		10,000				10,000

Budget Impact/Other
 Reduced equipment repair costs.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 5
Category Equipment: Public Works
Priority 3 Important

Project # 21-Eqp-003
Project Name Trade in Program Toro Z Mowers (458 & 459)

TCAAP No

Description	Total Project Cost: \$30,000
Replace Two 2018 Toro "Z" Lawn Mowers. 458 Hours 1,200 459 Hours 1,300	

Justification
The trade in value of the Toro "Z" mowers is maximized if they are traded in with warranty still remaining. Due to the amount of time these pieces of equipment are used during the summer months, they are traded in on a three year cycle.
Parts and labor costs: #458 2018 - \$850 #459 2018 - \$1,050

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		30,000				30,000
Total		30,000				30,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		30,000				30,000
Total		30,000				30,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 13-15
Category Equipment: Public Works
Priority 3 Important

Project # 21-Eqp-004
Project Name Replace 2001 Toro Workman (Unit 411)

TCAAP No

Description **Total Project Cost:** \$25,000
 Replace the 2001 Toro Workman with field painter (unit 411).
 Hours 2,008

Justification
 The workman will be 20 years old in 2021 and is used almost every day during the summer. It is reaching the end of its useful (dependable) life. The paint sprayer will also be replaced.
 Parts and labor costs:
 2018 - \$1,700

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		25,000				25,000
Total		25,000				25,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		25,000				25,000
Total		25,000				25,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 13-15
Category Equipment: Public Works
Priority 4 Less Important

Project # 21-Eqp-005
Project Name Replace 2005 Felling Trailer (Unit 414)

TCAAP No

Description **Total Project Cost: \$10,000**
 Replace 2005 Felling trailer due to corrosion.

Justification
 Replace the 2005 Felling trailer with a 22 foot trailer with better ergonomics, due to corrosion.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 8-10
Category Vehicles
Priority 3 Important

Project # 21-EqpV-001
Project Name Replace F-450 Truck (Unit 211)

TCAAP No

Description **Total Project Cost: \$80,000**
 Replace Vehicle #211 - 2011 Ford F450 crane truck.
 VIN #8243
 Mileage 71,440

Justification
 Parts and labor costs:
 2018 - \$2,200
 This vehicle is used when dealing with emergency lift station work. Reliability is a major concern. The condition of the current vehicle will be evaluated prior to replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings		80,000				80,000
Total		80,000				80,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund		80,000				80,000
Total		80,000				80,000

Budget Impact/Other
 Reduced repair and maintenance costs.

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Community Devl Dir
Type Equipment
Useful Life 10
Category Vehicles
Priority 3 Important

Project # 22-EqpV-001
Project Name Replace Sterling Acterra Truck (Unit 431)

TCAAP No

Description **Total Project Cost: \$160,000**
 Replace 2009 1,500 gallon tanker truck used for watering, sweeping, dust control and rink flooding.
 Mileage 21,374
 Hours 2,718

Justification
 Current vehicle will be 13 years old in 2022.
 Corrosion due to winter operations and availability of parts.
 Parts and labor costs:
 2018 - \$1,800

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings			160,000			160,000
Total			160,000			160,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund			160,000			160,000
Total			160,000			160,000

Budget Impact/Other

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact City Administrator
Type Equipment
Useful Life 10
Category Vehicles
Priority n/a

Project # 22-EqpV-002
Project Name Building Inspector Vehicle (Unit 504)

TCAAP No

Description **Total Project Cost:** \$36,000
 Purchase a new inspection vehicle in 2022 to replace 2013 Ford Escape.

Justification
 The current vehicle will be 9 years old. A multipurpose vehicle, like an Escape, will serve other City employees when they want to use a City vehicle to attend meetings and conferences - especially when they are out of town.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings			36,000			36,000
Total			36,000			36,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund			36,000			36,000
Total			36,000			36,000

Budget Impact/Other
 Cost of Maintenance.

Budget Items	2020	2021	2022	2023	2024	Total
Equipment and Vehicle repair costs	500	500	500	500	500	2,500
Total	500	500	500	500	500	2,500

Capital Improvement Plan
City of Arden Hills, Minnesota

2020 *thru* 2024

Department Equipment
Contact Public Works Director
Type Equipment
Useful Life 15-17
Category Vehicles
Priority n/a

Project # 23-EqpV-001
Project Name Replace International Plow Truck (Unit 120)

TCAAP No

Description **Total Project Cost: \$260,000**
 Replace 2011 International Plow Truck #120.
 Mileage 27,444

Justification
 Truck will be 12 years old. Will look at splitting the purchase between 2023 and 2024.
 Parts and labor costs:
 2018 - \$5,200.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings				125,000	135,000	260,000
Total				125,000	135,000	260,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund				125,000	135,000	260,000
Total				125,000	135,000	260,000

Budget Impact/Other
 Maintenance and repairs.

City of Arden Hills, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	2020	2021	2022	2023	2024	Total
Assessments								
Karth Lake retaining wall, pump, control panel	20-Storm-001	2	92,000					92,000
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	240,000					240,000
Lexington Improvements	21-Str-006	2		166,595				166,595
2022 PMP	22-Str-005	2			750,000			750,000
2024 PMP	24-Str-001	2					750,000	750,000
Assessments Total			332,000	166,595	750,000		750,000	1,998,595
Capital Improvement Funds (PIR)								
Hazelnut Park Improvements	19-Park-002	3	515,500					515,500
Hard Court Reconstruction	20-Park-001	3	275,000	110,000	120,000			505,000
Playground Structure Replacement	20-Park-003	3	210,000	220,000	230,000	120,000	0	780,000
Hamline Ave retaining wall	20-Str-004	2	130,000					130,000
Hamline Avenue crosswalks	20-Str-005	2	60,000					60,000
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	660,000					660,000
Lexington Improvements	21-Str-006	2		166,595				166,595
2022 PMP	22-Str-005	2		125,000	375,000			500,000
Lake Valentine Road - Trail	24-Park-004	n/a					91,000	91,000
Old Hwy 10 Trail - 96 to Valentine Park	24-Park-005	n/a					189,000	189,000
2024 PMP	24-Str-001	2				80,000	670,000	750,000
Capital Improvement Funds (PIR) Total			1,850,500	621,595	725,000	200,000	950,000	4,347,095
EDA General Fund								
Gateway Signs	20-EDA-001	n/a			246,130		40,000	286,130
EDA General Fund Total					246,130		40,000	286,130
Equipment/Building Replacement Fun								
City Hall Maintenance	20-Bldg-005	2		50,000	50,000	50,000	50,000	200,000
City Hall parking lot	20-Bldg-006	3	175,000					175,000
Replace 2010 Bobcat Toolcat (Unit 435)	20-Eqp-006	n/a	40,000					40,000
Replace 2012 F-350 Truck (Unit 203)	20-EqpV-005	3	48,000					48,000
Replace 2010 F-350 Truck (Unit 210)	20-EqpV-009	3	46,000					46,000
Replace 1997 Toro Groundsmaster (Unit 409)	21-Eqp-001	3		60,000				60,000
Replace 1996 Wacker 880 Roller (Unit 106)	21-Eqp-002	3		10,000				10,000
Trade in Program Toro Z Mowers (458 & 459)	21-Eqp-003	3		30,000				30,000
Replace 2001 Toro Workman (Unit 411)	21-Eqp-004	3		25,000				25,000
Replace 2005 Felling Trailer (Unit 414)	21-Eqp-005	4		10,000				10,000
Replace F-450 Truck (Unit 211)	21-EqpV-001	3		80,000				80,000
Replace Sterling Acterra Truck (Unit 431)	22-EqpV-001	3			160,000			160,000
Building Inspector Vehicle (Unit 504)	22-EqpV-002	n/a			36,000			36,000
Replace International Plow Truck (Unit 120)	23-EqpV-001	n/a				125,000	135,000	260,000

Source	Project #	Priority	2020	2021	2022	2023	2024	Total
Equipment/Building Replacement Fund Total			309,000	265,000	246,000	175,000	185,000	1,180,000
Public Safety Capital Fund								
LJFD General Equipment	20-Pub-001	n/a	11,730	24,428	5,456		2,381	43,995
LJFD Rescue/Chief/Utility Vehicle Replacement	20-Pub-002	n/a	37,200	19,840		111,600		168,640
LJFD Station Capital	20-Pub-004	n/a	18,550	7,440	11,656			37,646
LJFD Engine/Ladder Replacement	22-Pub-001	n/a			186,000		76,880	262,880
Public Safety Capital Fund Total			67,480	51,708	203,112	111,600	79,261	513,161
Ramsey County								
Hamline Avenue crosswalks	20-Str-005	2	60,000					60,000
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	1,125,000					1,125,000
Ramsey County Total			1,185,000					1,185,000
Sanitary Sewer Utility Fund								
Utility Communication System	19-Sew-003	3	37,500					37,500
Lift Station Rehabilitation	20-Sew-001	3	100,000	60,000	80,000	175,000		415,000
Sewer Lining/Rehabilitation	20-Sew-002	3		200,000		200,000		400,000
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	100,000					100,000
2022 PMP	22-Str-005	2		20,000	380,000			400,000
2024 PMP	24-Str-001	2				20,000	380,000	400,000
Sanitary Sewer Utility Fund Total			237,500	280,000	460,000	395,000	380,000	1,752,500
State Aid								
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	525,000					525,000
2022 PMP	22-Str-005	2			250,000			250,000
Lake Valentine Road - Trail	24-Park-004	n/a					1,209,000	1,209,000
Old Hwy 10 Trail - 96 to Valentine Park	24-Park-005	n/a					2,511,000	2,511,000
State Aid Total			525,000		250,000		3,720,000	4,495,000
Surface Water Mgmt Utility Funds								
Karth Lake retaining wall, pump, control panel	20-Storm-001	2	50,000					50,000
Storm Pond and Outfall Maintenance	20-Storm-002	2	100,000	150,000	100,000	100,000	100,000	550,000
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	150,000					150,000
2022 PMP	22-Str-005	2		10,000	190,000			200,000
2024 PMP	24-Str-001	2				10,000	190,000	200,000
Surface Water Mgmt Utility Funds Total			300,000	160,000	290,000	110,000	290,000	1,150,000
Trade-In Value								
Hazelnut Park Improvements	19-Park-002	3	34,500					34,500
Trade-In Value Total			34,500					34,500
Water Utility Funds								
Utility Communication System	19-Sew-003	3	37,500					37,500

Source	Project #	Priority	2020	2021	2022	2023	2024	Total
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	2	50,000					50,000
Lexington Improvements	21-Str-006	2	20,000	357,511				377,511
2022 PMP	22-Str-005	2		20,000	380,000			400,000
2024 PMP	24-Str-001	2				20,000	380,000	400,000
Water Utility Funds Total			107,500	377,511	380,000	20,000	380,000	1,265,011
GRAND TOTAL			4,948,480	1,922,409	3,550,242	1,011,600	6,774,261	18,206,992

Source		2020	2021	2022	2023	2024
Capital Improvement Funds (PIR)						
Beginning Balance		3,092,526	2,645,186	2,565,926	1,597,386	2,250,976
Revenues and Other Fund Sources						
<i>Revenue</i>						
Donations - Bethel		100,000	100,000	150,000	150,000	0
Interest Income		75,000	75,000	75,000	75,000	75,000
Net Assessments		33,690	117,335	(468,540)	378,590	(371,410)
Net State Aid		944,470	0	(250,000)	0	0
Tax Levy		250,000	250,000	250,000	250,000	250,000
	<i>Total</i>	1,403,160	542,335	(243,540)	853,590	(46,410)
Total Revenues and Other Fund Sources		1,403,160	542,335	(243,540)	853,590	(46,410)
Total Funds Available		4,495,686	3,187,521	2,322,386	2,450,976	2,204,566
Expenditures and Uses						
<i>Capital Projects & Equipment</i>						
<u>Parks Department</u>						
Hazelnut Park Improvements	19-Park-002	(515,500)	0	0	0	0
Hard Court Reconstruction	20-Park-001	(275,000)	(110,000)	(120,000)	0	0
Playground Structure Replacement	20-Park-003	(210,000)	(220,000)	(230,000)	(120,000)	0
Lake Valentine Road - Trail	24-Park-004	0	0	0	0	(91,000)
Old Hwy 10 Trail - 96 to Valentine Park	24-Park-005	0	0	0	0	(189,000)
	<i>Total</i>	(1,000,500)	(330,000)	(350,000)	(120,000)	(280,000)
<u>Street Department</u>						
Hamline Ave retaining wall	20-Str-004	(130,000)	0	0	0	0
Hamline Avenue crosswalks	20-Str-005	(60,000)	0	0	0	0
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	(660,000)	0	0	0	0
Lexington Improvements	21-Str-006	0	(166,595)	0	0	0
2022 PMP	22-Str-005	0	(125,000)	(375,000)	0	0
2024 PMP	24-Str-001	0	0	0	(80,000)	(670,000)
	<i>Total</i>	(850,000)	(291,595)	(375,000)	(80,000)	(670,000)
Total Expenditures and Uses		(1,850,500)	(621,595)	(725,000)	(200,000)	(950,000)
Change in Fund Balance		(447,340)	(79,260)	(968,540)	653,590	(996,410)
Ending Balance		2,645,186	2,565,926	1,597,386	2,250,976	1,254,566

Source	2020	2021	2022	2023	2024	
EDA General Fund						
Beginning Balance	547,961	528,061	498,961	220,461	185,231	
<u>Revenues and Other Fund Sources</u>						
<i>Revenue</i>						
Miscellaneous Revenues	10,000	3,500	3,000	3,000	3,000	
Tax Levy	100,000	100,000	100,000	100,000	100,000	
<i>Total</i>	110,000	103,500	103,000	103,000	103,000	
Total Revenues and Other Fund Sources	110,000	103,500	103,000	103,000	103,000	
Total Funds Available	657,961	631,561	601,961	323,461	288,231	
<u>Expenditures and Uses</u>						
<i>Capital Projects & Equipment</i>						
<u>Economic Development</u>						
Gateway Signs	20-EDA-001	0	0	(246,130)	0	(40,000)
<i>Total</i>		0	0	(246,130)	0	(40,000)
<i>Other Uses</i>						
Operating Expenditures		(89,900)	(92,600)	(95,370)	(98,230)	(101,170)
Tax Abatement		(40,000)	(40,000)	(40,000)	(40,000)	(40,000)
<i>Total</i>		(129,900)	(132,600)	(135,370)	(138,230)	(141,170)
Total Expenditures and Uses		(129,900)	(132,600)	(381,500)	(138,230)	(181,170)
Change in Fund Balance	(19,900)	(29,100)	(278,500)	(35,230)	(78,170)	
Ending Balance	528,061	498,961	220,461	185,231	107,061	

Source		2020	2021	2022	2023	2024
Equipment/Building Replacement Fund						
Beginning Balance		99,478	140,478	225,478	329,478	504,478
Revenues and Other Fund Sources						
<i>Revenue</i>						
Tax Levy		50,000	50,000	50,000	50,000	50,000
	<i>Total</i>	50,000	50,000	50,000	50,000	50,000
<i>Other Fund Sources</i>						
Transfer from Sanitary Sewer Fund		126,000	126,000	126,000	126,000	126,000
Transfer from Surface Water Fund		74,000	74,000	74,000	74,000	74,000
Transfer from Water Fund		100,000	100,000	100,000	100,000	100,000
	<i>Total</i>	300,000	300,000	300,000	300,000	300,000
Total Revenues and Other Fund Sources		350,000	350,000	350,000	350,000	350,000
Total Funds Available		449,478	490,478	575,478	679,478	854,478
Expenditures and Uses						
<i>Capital Projects & Equipment</i>						
<u>Equipment</u>						
Replace 2010 Bobcat Toolcat (Unit 435)	20-Eqp-006	(40,000)	0	0	0	0
Replace 2012 F-350 Truck (Unit 203)	20-EqpV-005	(48,000)	0	0	0	0
Replace 2010 F-350 Truck (Unit 210)	20-EqpV-009	(46,000)	0	0	0	0
Replace 1997 Toro Groundsmaster (Unit 409)	21-Eqp-001	0	(60,000)	0	0	0
Replace 1996 Wacker 880 Roller (Unit 106)	21-Eqp-002	0	(10,000)	0	0	0
Trade in Program Toro Z Mowers (458 & 459)	21-Eqp-003	0	(30,000)	0	0	0
Replace 2001 Toro Workman (Unit 411)	21-Eqp-004	0	(25,000)	0	0	0
Replace 2005 Felling Trailer (Unit 414)	21-Eqp-005	0	(10,000)	0	0	0
Replace F-450 Truck (Unit 211)	21-EqpV-001	0	(80,000)	0	0	0
Replace Sterling Acterra Truck (Unit 431)	22-EqpV-001	0	0	(160,000)	0	0
Building Inspector Vehicle (Unit 504)	22-EqpV-002	0	0	(36,000)	0	0
Replace International Plow Truck (Unit 120)	23-EqpV-001	0	0	0	(125,000)	(135,000)
	<i>Total</i>	(134,000)	(215,000)	(196,000)	(125,000)	(135,000)
<u>Government Buildings</u>						
City Hall Maintenance	20-Bldg-005	0	(50,000)	(50,000)	(50,000)	(50,000)
City Hall parking lot	20-Bldg-006	(175,000)	0	0	0	0
	<i>Total</i>	(175,000)	(50,000)	(50,000)	(50,000)	(50,000)
Total Expenditures and Uses		(309,000)	(265,000)	(246,000)	(175,000)	(185,000)
Change in Fund Balance		41,000	85,000	104,000	175,000	165,000
Ending Balance		140,478	225,478	329,478	504,478	669,478

Source	2020	2021	2022	2023	2024	
Public Safety Capital Fund						
Beginning Balance	(24,536)	984	42,276	(67,836)	(86,436)	
Revenues and Other Fund Sources						
<i>Revenue</i>						
Charitable Gambling	23,000	23,000	23,000	23,000	23,000	
Tax Levy	70,000	70,000	70,000	70,000	70,000	
<i>Total</i>	93,000	93,000	93,000	93,000	93,000	
Total Revenues and Other Fund Sources	93,000	93,000	93,000	93,000	93,000	
Total Funds Available	68,464	93,984	135,276	25,164	6,564	
Expenditures and Uses						
<i>Capital Projects & Equipment</i>						
<i>Public Safety</i>						
LJFD General Equipment	20-Pub-001	(11,730)	(24,428)	(5,456)	0	(2,381)
LJFD Rescue/Chief/Utility Vehicle Replacement	20-Pub-002	(37,200)	(19,840)	0	(111,600)	0
LJFD Station Capital	20-Pub-004	(18,550)	(7,440)	(11,656)	0	0
LJFD Engine/Ladder Replacement	22-Pub-001	0	0	(186,000)	0	(76,880)
<i>Total</i>		(67,480)	(51,708)	(203,112)	(111,600)	(79,261)
Total Expenditures and Uses		(67,480)	(51,708)	(203,112)	(111,600)	(79,261)
Change in Fund Balance	25,520	41,292	(110,112)	(18,600)	13,739	
Ending Balance	984	42,276	(67,836)	(86,436)	(72,697)	

Source		2020	2021	2022	2023	2024
Sanitary Sewer Utility Fund						
Beginning Balance		341,719	400,829	486,909	420,989	449,279
Revenues and Other Fund Sources						
<i>Revenue</i>						
Operating Revenue		2,051,840	2,172,990	2,249,010	2,327,700	2,409,130
	<i>Total</i>	2,051,840	2,172,990	2,249,010	2,327,700	2,409,130
Total Revenues and Other Fund Sources		2,051,840	2,172,990	2,249,010	2,327,700	2,409,130
Total Funds Available		2,393,559	2,573,819	2,735,919	2,748,689	2,858,409
Expenditures and Uses						
<i>Capital Projects & Equipment</i>						
<u>Sanitary Sewer Department</u>						
Utility Communication System	19-Sew-003	(37,500)	0	0	0	0
Lift Station Rehabilitation	20-Sew-001	(100,000)	(60,000)	(80,000)	(175,000)	0
Sewer Lining/Rehabilitation	20-Sew-002	0	(200,000)	0	(200,000)	0
	<i>Total</i>	(137,500)	(260,000)	(80,000)	(375,000)	0
<u>Street Department</u>						
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	(100,000)	0	0	0	0
2022 PMP	22-Str-005	0	(20,000)	(380,000)	0	0
2024 PMP	24-Str-001	0	0	0	(20,000)	(380,000)
	<i>Total</i>	(100,000)	(20,000)	(380,000)	(20,000)	(380,000)
<i>Other Uses</i>						
Debt Service		(36,750)	(40,650)	(39,450)	(38,250)	(37,050)
Operating Expenditures		(1,592,480)	(1,640,260)	(1,689,480)	(1,740,160)	(1,792,360)
Operating transfer to Equipment Fund		(126,000)	(126,000)	(126,000)	(126,000)	(126,000)
	<i>Total</i>	(1,755,230)	(1,806,910)	(1,854,930)	(1,904,410)	(1,955,410)
Total Expenditures and Uses		(1,992,730)	(2,086,910)	(2,314,930)	(2,299,410)	(2,335,410)
Change in Fund Balance		59,110	86,080	(65,920)	28,290	73,720
Ending Balance		400,829	486,909	420,989	449,279	522,999

Source	2020	2021	2022	2023	2024
Surface Water Mgmt Utility Funds					
Beginning Balance	(752)	(50,982)	156,898	229,558	476,668
Revenues and Other Fund Sources					
<i>Revenue</i>					
Net taxing district levy	(92,000)	31,000	31,000	31,000	0
Operating Revenue	871,010	879,780	888,630	897,570	906,600
<i>Total</i>	779,010	910,780	919,630	928,570	906,600
Total Revenues and Other Fund Sources	779,010	910,780	919,630	928,570	906,600
Total Funds Available	778,258	859,798	1,076,528	1,158,128	1,383,268
Expenditures and Uses					
<i>Capital Projects & Equipment</i>					
<u>Street Department</u>					
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	(150,000)	0	0	0
2022 PMP	22-Str-005	0	(10,000)	(190,000)	0
2024 PMP	24-Str-001	0	0	0	(10,000)
<i>Total</i>		(150,000)	(10,000)	(190,000)	(10,000)
<u>Surface Water Management Dept</u>					
Karth Lake retaining wall, pump, control panel	20-Storm-001	(50,000)	0	0	0
Storm Pond and Outfall Maintenance	20-Storm-002	(100,000)	(150,000)	(100,000)	(100,000)
<i>Total</i>		(150,000)	(150,000)	(100,000)	(100,000)
<i>Other Uses</i>					
Operating Exenditures		(455,240)	(468,900)	(482,970)	(497,460)
Transfer to Equipment Fund		(74,000)	(74,000)	(74,000)	(74,000)
<i>Total</i>		(529,240)	(542,900)	(556,970)	(571,460)
Total Expenditures and Uses		(829,240)	(702,900)	(846,970)	(681,460)
Change in Fund Balance	(50,230)	207,880	72,660	247,110	30,220
Ending Balance	(50,982)	156,898	229,558	476,668	506,888

Source		2020	2021	2022	2023	2024
Water Utility Funds						
Beginning Balance		1,890,949	1,977,689	1,878,458	1,877,878	2,236,048
Revenues and Other Fund Sources						
<i>Revenue</i>						
Operating Revenue		2,351,460	2,487,610	2,647,190	2,700,750	2,755,410
	<i>Total</i>	2,351,460	2,487,610	2,647,190	2,700,750	2,755,410
Total Revenues and Other Fund Sources		2,351,460	2,487,610	2,647,190	2,700,750	2,755,410
Total Funds Available		4,242,409	4,465,299	4,525,648	4,578,628	4,991,458
Expenditures and Uses						
<i>Capital Projects & Equipment</i>						
<u>Sanitary Sewer Department</u>						
Utility Communication System	19-Sew-003	(37,500)	0	0	0	0
	<i>Total</i>	(37,500)	0	0	0	0
<u>Street Department</u>						
Old Snelling Ave PMP w/ Intersection Impr at CR E	20-Str-006	(50,000)	0	0	0	0
Lexington Improvements	21-Str-006	(20,000)	(357,511)	0	0	0
2022 PMP	22-Str-005	0	(20,000)	(380,000)	0	0
2024 PMP	24-Str-001	0	0	0	(20,000)	(380,000)
	<i>Total</i>	(70,000)	(377,511)	(380,000)	(20,000)	(380,000)
<i>Other Uses</i>						
Debt Service		(250,250)	(248,150)	(250,750)	(248,050)	(250,050)
Operating Expenditures		(1,806,970)	(1,861,180)	(1,917,020)	(1,974,530)	(2,033,770)
Transfer to Equipment Fund		(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
	<i>Total</i>	(2,157,220)	(2,209,330)	(2,267,770)	(2,322,580)	(2,383,820)
Total Expenditures and Uses		(2,264,720)	(2,586,841)	(2,647,770)	(2,342,580)	(2,763,820)
Change in Fund Balance		86,740	(99,231)	(580)	358,170	(8,410)
Ending Balance		1,977,689	1,878,458	1,877,878	2,236,048	2,227,638