



## 2020-2024 Capital Improvement Plan



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**CITY OF ANDOVER**  
**2020 – 2024 Capital Improvement Plan**

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TO: Mayor and Council Members  
FROM: Jim Dickinson, City Administrator  
SUBJECT: 2020 – 2024 Capital Improvement Plan  
DATE: October 15, 2019

**INTRODUCTION**

On behalf of the City’s Management Team, I am pleased to present the City of Andover’s Capital Improvement Plan for years 2020 through 2024. The City’s management team and their respective staff worked diligently to produce a document that was both practical, substantive in addressing needed capital improvements and insightful regarding the underlying factors associated with the City’s rapidly changing suburban landscape.

<b>CAPITAL IMPROVEMENT PLAN GOALS</b>
<b>ACKNOWLEDGE AND COMMUNICATE PUBLIC INFRASTRUCTURE PRIORITIES AND DYNAMICS</b>
<b>ENSURE APPROPRIATE RESPONSES TO CHANGING INFRASTRUCTURE NEEDS AND DEMANDS</b>
<b>DEVELOP A FINANCIAL ASSESSMENT OF CAPITAL RESOURCES AVAILABLE TO MEET FUTURE CAPITAL PROJECT PLANNING NEEDS</b>
<b>INSTITUTE A STRATEGIC VISION PREDICATED ON MAINTAINING A HIGH QUALITY SERVICE INFRASTRUCTURE CAPABLE OF MEETING THE NEEDS OF OUR CITIZENS FOR TODAY AND TOMORROW</b>

The purpose of the City’s Capital Improvement Plan (CIP) is to identify, prioritize and address community needs through careful long-term capital planning and balanced public investment in supporting physical infrastructure. To ensure that this commitment is both meaningful and achievable, appropriate capital improvement factors were given significant consideration in developing a CIP that addresses community priorities over the next five (5) years. The CIP will also provide a planning foundation for future needs assessments to ensure the City is appropriately responding to the critical infrastructure needs necessary for sustainable future growth. The CIP represents a beginning in terms of producing a comprehensive planning response to address changing capital needs by developing a project schedule that will lead to timely and cost-effective project completions.

## DISCUSSION

The 2020 - 2024 CIP has been prepared as a strategic planning tool to assist the City Council in identifying proposed capital improvement projects over the next five years. With the inclusion of preliminary financing sources, appropriate background information citing needs and projected cost estimates, this document will provide Council with the needed information to begin the process for planning improvements that meet the City's physical infrastructure needs. Consequently, the CIP serves as a flexible guide plan to properly identify the critical components of the City's infrastructure, yet maintain flexibility in determining project timeframes, project scope and possible funding sources. The 2020 - 2024 CIP continues the emphasis of judiciously managing the City's limited resources by prudently planning for known and/or anticipated future capital expenditures.

A critical step in the plan adoption process is the collaborative nature of plan review that involves the leadership of the City Council, the input of appointed Commissions and staff, and most importantly, affected residents of the community. Consequently, the strategic value of this plan lies in the acknowledgement of future needs by the governing body and the effective communication of those needs to the general public during project development stages. Likewise, the availability and preliminary designation of fiscal resources to serve both current and future needs is critical to the achievement of plan outcomes that meet with Council approval. Following the approval of the plan, feasibility studies are performed, affected constituencies are notified to formally disseminate and receive public feedback on proposed project plans. This process culminates with the City Council considering all relevant information and making a final decision on whether to proceed with the proposed capital improvement.

The public process that supports the advancement of these projects from inception to completion is engendered in the CIP project development and authorization schedule. Formalizing the steps in the CIP project advancement process serves a number of purposes and ensures that the Council and public are kept well informed regarding project purposes and desired outcomes, estimated project costs, funding sources, progress and final status. It should be emphasized that projects will require approval in various stages of project development by the City Council in accordance with approved policies.

The objectives of the 2020 - 2024 Capital Improvement Plan are to present a comprehensive capital improvement program that communicates efforts:

- to ensure that community priorities are reflected in the capital investment plans of each City department;
- to provide a consolidated financial picture of anticipated expenditures and outline recommended funding strategies to underwrite anticipated capital improvements;
- to document and communicate capital improvement processes for City projects that will ensure consistency, a full appreciation of both the costs and benefits of proposed capital investments, and raises the level of public understanding regarding the City's public improvement processes;
- to provide information on the fiscal impacts of capital investment plans on total City finances; and
- to effectively plan for public improvements that support community needs in the areas of private development infrastructure, transportation, public safety, parks and recreation, utilities, and commercial/industrial growth through fiscally responsible economic development initiatives.

Accordingly, this document attempts to recognize known or perceived capital improvement needs, but as with any plan recognizes that social, economic and political considerations will by necessity determine final project outcomes. The major categories of expenditures that are identified within the CIP include, but are not limited to:

1. New Public Facilities Planning
2. Street Construction, Maintenance and Reconstruction
3. Utility Construction, Maintenance and Reconstruction
4. Construction, Maintenance and Upgrade of Parks, Playgrounds and Trails
5. Capital Improvements to Existing Facilities
6. Private development infrastructure
7. Capital equipment and vehicle planning needs (Equipment purchases to be determined through normal budgetary process)

The City Council, consequently, accepts this document with the provision that capital improvement planning is subject to the dynamics of community growth, political leadership and acknowledges that other unanticipated needs may take precedence over planned projects.

#### RECOMMENDATION

The 2020 - 2024 Capital Improvement Plan is the product of collaborative planning efforts by City staff, Park and Recreation Commission, Community Center Advisory Commission and the City Council. Projects have been introduced based on 1) anticipated future growth trends articulated in the City's current Comprehensive Plan, 2) the natural cycle of deterioration and decay evident in all physically constructed and engineered improvements in the more established areas of the community and 3) capital deficiencies or infrastructure issues brought to the City's attention through a variety of sources.

Capital expenditures identified within the CIP are the best estimates available, and once the CIP is adopted, will be reviewed and confirmed through individual feasibility reports where appropriate. I am appreciative of the commitment, good judgment and expertise that each department has contributed to the capital improvement planning process.

Respectfully submitted,



Jim Dickinson  
City Administrator

## **CIP PROJECT DEVELOPMENT AND PROCESS AUTHORIZATION SCHEDULE**

The following process is a Council/staff guideline for authorizing public improvement projects. As this process is controlled by State Statute and other influencing environmental factors, it is subject to change and should be viewed as a guide to assist the Council and public in understanding the public improvement process used by City staff. *A separate Council meeting would facilitate each step in the process, and accomplishment of respective activities.* As a result, the process time frame is a significant factor affecting City staff's ability to properly manage and complete approved Council ordered projects within budget and on time.

1. Council Approval of Annual CIP Projects by City Resolution will authorize the following outcomes:

- a) Staff and/or Consultant preparation of project feasibility studies
- b) Staff preparation of detailed financial review of project funding sources
- c) Neighborhood Meeting may be held prior to Feasibility Study subject to need and type of project.

TIME FRAME: October-November of each preceding year.

2. Presentation of Feasibility Study

a) Feasibility Study Components:

- 1) Review of Project Engineering and Construction Estimates
- 2) Total Project Costs (All related project costs, i.e. land, soft costs)
- 3) Project Financial Plan/Fiscal Implications (Engineering/Finance)
- 4) Authorization to develop a Preliminary Assessment Roll, if any, for the Public Hearing. (Engineering)

- If Council accepts Feasibility Study, A Resolution "Accepting Feasibility Study and Setting Date for Public Hearing on the Project" when appropriate (Engineering Department) would initiate the following:

- 1) Notices mailed to affected Residents per statute requirements no less than 10 days before Public Hearing. (Engineering)
- 2) Public Hearing Notice is published. Two publications one week apart, with the second publication no less than three days before the hearing. (Engineering/City Clerk)

TIME FRAME: February-March-April-May of current year.

3. Neighborhood Meeting – City staff will hold neighborhood project meetings, when appropriate, to review and present Project Feasibility Studies, answer questions and meet with affected property owners. These meetings will include a question and answer component designed specifically to bring awareness to the property owner, obtain citizen input and produce an understanding of the purposes behind the City's attempts to construct public improvements in the affected area.

TIME FRAME: Following the presentation of the Feasibility Study to Council, but prior to the holding of a Public Hearing by Council.

4. Council holds a Public Hearing when appropriate for following purposes:

- a) Presentation of Project (Engineering Department)
- b) Presentation of Preliminary Special Assessment Rolls and Financing Implications (Engineering/Finance Department)
- c) Council to hear Affected Resident Input
- d) Council determines whether to "order" the public improvement

- A Council Resolution is drafted “Ordering the Project and Authorizing Preparation of Plans and Specifications” (Engineering Department). *Council may ORDER THE IMPROVEMENT after the public hearing is closed or at a subsequent Council Meeting within 6 months of the public hearing date. (Statutory Requirement - Council Resolution ordering project must be approved on 4/5 Council vote if it is Council initiated project with assessments).*
- If Council decides to reject the project as presented, a Council vote should be taken to officially determine the final status of the project.

TIME FRAME: April-May-June of current year

5. Plans and Specifications are presented to Council for approval. (Engineering Department)
  - a) A Council Resolution is drafted authorizing the following:
    - 1) Accepting and Approving Project Plans and Specifications
    - 2) Authorizing the Advertisement for Project Bids. Bids are developed and invitation to Bid is processed. Bid opening date is no less than 3 weeks after publication. (Engineering)
    - 3) Authorize staff to pursue an appropriate funding mechanism to underwrite project costs

TIME FRAME: May-June of each year

6. Council Acceptance of Project Bids and Awarding of Contracts would authorize the following outcomes:
  - a) A Council Resolution is drafted “Accepting Project Bids and Awarding Contracts” (Engineering)
  - b) Initiation of Project Construction and work (Engineering)

TIME FRAME: April-May-June-July of current year.

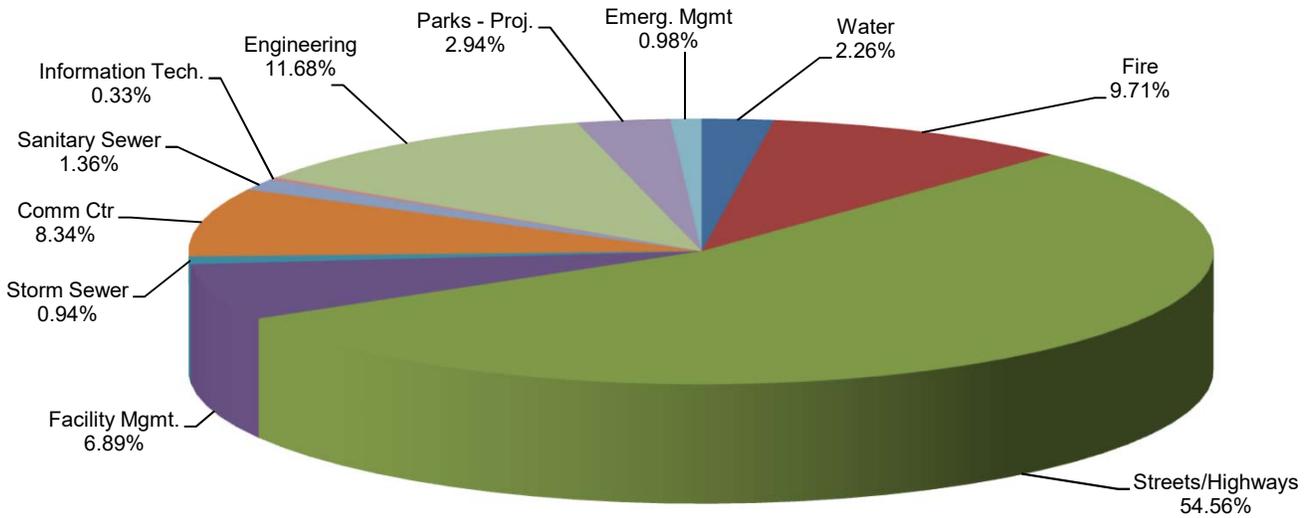
7. Project Completion
  - a) Council Acceptance of Project
  - b) Final Presentation and Review of Project Costs versus Project Budget by Finance Department.
  - c) If Special Assessments are financing a portion of the Project, A Council Resolution “Setting the Special Assessment Hearing for Project #” is adopted at this same meeting. (Engineering/Finance)

TIME FRAME: Upon completion of project.

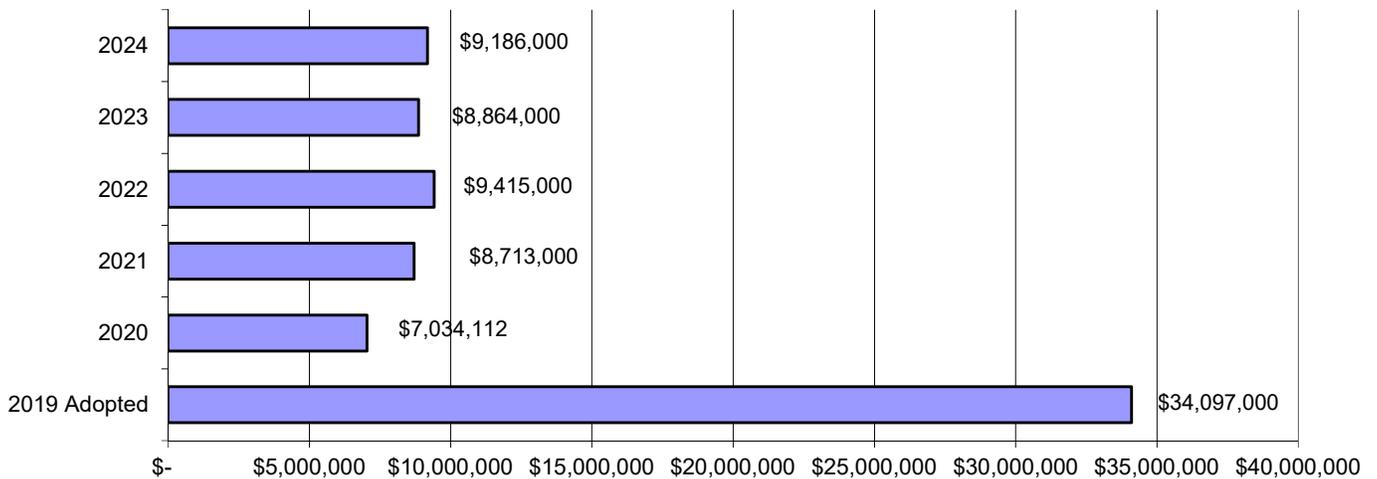
8. If Special Assessments would finance a portion of the projects costs, Council Holds a Special Assessment Hearing to review the following:
  - a) Affected Property owners would be officially notified per statute no less than two weeks prior to Special Assessment Hearing. (Clerk/Engineering)
  - b) Public Notice is published no less than two weeks prior to Special Hearing per statute (Clerk/Engineering)
  - c) Staff prepares a proposed roll and Council Approves Final Assessment Roll (Engineering/Finance)
  - d) Council consideration of Assessment Appeals and Requested Deferrals filed prior to hearing or during the hearing.
  - e) Meets M.S. Chapter 429 statutory requirements
  - A Council Resolution is drafted “Adopting Final Special Assessment Roll”(Engineering), and is adopted at this meeting.

TIME FRAME: October/November of current year depending on finalization of project and status of completion.

**CITY OF ANDOVER  
2020 CIP Expenditures By Department**



**CITY OF ANDOVER  
2020 CIP Expenditures By Year**



City of Andover, MN

*Capital Plan*

2020 thru 2024

**DEPARTMENT SUMMARY**

<b>Department</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Central Equipment		45,000				45,000
Community Center	553,112	172,000	46,000	1,330,000		2,101,112
Emergency Management	65,000	50,000	40,000	40,000	40,000	235,000
Engineering	774,000	586,000	1,738,000	765,000	1,206,000	5,069,000
Facility Management	457,000	195,000	275,000	440,000	74,000	1,441,000
Finance		225,000				225,000
Fire	644,000	225,000	646,000	71,000	72,000	1,658,000
Information Technology	22,000					22,000
Park & Rec - Operations	405,000	188,000	305,000	135,000	135,000	1,168,000
Park & Rec - Projects	195,000	185,000	15,000	125,000	15,000	535,000
Sanitary Sewer	90,000				3,500,000	3,590,000
Storm Sewer	62,000	65,000	318,000	70,000	70,000	585,000
Streets / Highways	3,617,000	3,987,000	6,032,000	5,833,000	4,074,000	23,543,000
Water	150,000	2,790,000		55,000		2,995,000
<b>TOTAL</b>	<b>7,034,112</b>	<b>8,713,000</b>	<b>9,415,000</b>	<b>8,864,000</b>	<b>9,186,000</b>	<b>43,212,112</b>

City of Andover, MN

*Capital Plan*

2020 thru 2024

**FUNDING SOURCE SUMMARY**

<b>Source</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments	654,500	671,000	911,500	590,500	1,999,500	4,827,000
Capital Equipment Reserve	337,634	374,000	86,000	226,000	86,000	1,109,634
Comm Ctr Operations	157,000	172,000	46,000	1,330,000		1,705,000
Construction Seal Coat Fund	10,000	10,000	10,000	10,000	10,000	50,000
Donations	90,000					90,000
Equipment Bond	1,264,000	570,000	1,375,000	440,000	252,000	3,901,000
Facility Maintenance Reserve	681,478	189,000	275,000	410,000	74,000	1,629,478
G.O. Bond			750,000			750,000
General Fund	155,000	485,000	160,000	210,000	221,000	1,231,000
Grant	193,550			900,000		1,093,550
Municipal State Aid Funds	555,000	285,000	792,500	2,112,500	526,500	4,271,500
Park Dedication Funds	204,000	185,000	15,000	15,000	15,000	434,000
Road & Bridge Funds	2,195,500	2,757,000	3,689,000	2,046,000	2,807,000	13,494,500
Sewer Revenue Bonds					2,250,000	2,250,000
Sewer Trunk Fund	125,000	125,000	125,000	130,000	135,000	640,000
Storm Sewer Fund	62,000	65,000	68,000	70,000	70,000	335,000
Trail Funds	124,450		1,052,000	259,000	675,000	2,110,450
Water Fund	25,000	1,330,000		55,000		1,410,000
Water Trunk Fund	200,000	1,495,000	60,000	60,000	65,000	1,880,000
<b>GRAND TOTAL</b>	<b>7,034,112</b>	<b>8,713,000</b>	<b>9,415,000</b>	<b>8,864,000</b>	<b>9,186,000</b>	<b>43,212,112</b>

City of Andover, MN

*Capital Plan*

2020 thru 2024

**PROJECTS & FUNDING SOURCES BY DEPARTMENT**

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<b>Central Equipment</b>								
Replacement - Service Truck #371	21-48800-01	2		45,000				45,000
<i>Capital Equipment Reserve</i>				45,000				45,000
<b>Central Equipment Total</b>				45,000				45,000
<b>Community Center</b>								
Replacement- Sinks/Fixtures	20-44000-01	1	15,000					15,000
<i>Comm Ctr Operations</i>			15,000					15,000
Refacing Rink Boards	20-44300-01	1	30,000					30,000
<i>Comm Ctr Operations</i>			30,000					30,000
Refrigeration Equipment Conversion	20-44300-02	1	323,478					323,478
<i>Comm Ctr Operations</i>			50,000					50,000
<i>Facility Maintenance Reserve</i>			273,478					273,478
Fieldhouse Floor Repair	20-44400-01	1	184,634					184,634
<i>Capital Equipment Reserve</i>			134,634					134,634
<i>Comm Ctr Operations</i>			50,000					50,000
Replacement - Floor Scrubber	21-44000-01	1		15,000				15,000
<i>Comm Ctr Operations</i>				15,000				15,000
Remodel Old Proshop Area	21-44000-02	1		20,000				20,000
<i>Comm Ctr Operations</i>				20,000				20,000
Replacement - Kaivac Cleaning System	21-44000-03	1		6,000				6,000
<i>Comm Ctr Operations</i>				6,000				6,000
Exterior Caulking	21-44000-04	1		50,000				50,000
<i>Comm Ctr Operations</i>				50,000				50,000
Replacement - Lobby Furniture	21-44000-05	1		25,000				25,000
<i>Comm Ctr Operations</i>				25,000				25,000
Repaint Field House Ceiling	21-44200-01	1		50,000				50,000
<i>Comm Ctr Operations</i>				50,000				50,000
Refinish wooden benches	21-44300-01	1		6,000				6,000
<i>Comm Ctr Operations</i>				6,000				6,000
Concrete Floor Sealant	22-44000-01	1			36,000			36,000
<i>Comm Ctr Operations</i>					36,000			36,000
Replacement - Electric Edger	22-44300-02	1			10,000			10,000
<i>Comm Ctr Operations</i>					10,000			10,000
Carpet - Office/Fieldhouse Foyer	23-44000-01	1				15,000		15,000
<i>Comm Ctr Operations</i>						15,000		15,000
Replacement - Roof	23-44000-02	1				1,300,000		1,300,000
<i>Comm Ctr Operations</i>						1,300,000		1,300,000
Replacement - Zamboni Battery Pack	23-44300-01	1				15,000		15,000
<i>Comm Ctr Operations</i>						15,000		15,000
<b>Community Center Total</b>			553,112	172,000	46,000	1,330,000		2,101,112
<b>Emergency Management</b>								

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Emergency Operations Center Improvement	20-42400-01	1	10,000	10,000				20,000
<i>Capital Equipment Reserve</i>			10,000	10,000				20,000
New - Emergency Siren Additions	20-42400-02	1	55,000					55,000
<i>Capital Equipment Reserve</i>			55,000					55,000
Replacement - Emergency Sirens	21-42400-01	1		40,000	40,000	40,000	40,000	160,000
<i>Capital Equipment Reserve</i>				40,000	40,000	40,000	40,000	160,000
<b>Emergency Management Total</b>			<b>65,000</b>	<b>50,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>235,000</b>

### Engineering

New Development Projects	20-41600-01	1	175,000	180,000	185,000	190,000	200,000	930,000
<i>Sewer Trunk Fund</i>			125,000	125,000	125,000	130,000	135,000	640,000
<i>Water Trunk Fund</i>			50,000	55,000	60,000	60,000	65,000	290,000
Pedestrian Trail Maintenance	20-41600-02	1	63,000	66,000	69,000	72,000	75,000	345,000
<i>Road &amp; Bridge Funds</i>			63,000	66,000	69,000	72,000	75,000	345,000
Pedestrian/Park Trail Reconstruction	20-41600-03	1	70,000	320,000	370,000	220,000	230,000	1,210,000
<i>Capital Equipment Reserve</i>			70,000					70,000
<i>General Fund</i>				320,000		50,000	60,000	430,000
<i>Road &amp; Bridge Funds</i>					370,000	170,000	170,000	710,000
Pedestrian Curb Ramp Replacements	20-41600-04	1	19,000	20,000	22,000	24,000	26,000	111,000
<i>Road &amp; Bridge Funds</i>			19,000	20,000	22,000	24,000	26,000	111,000
Replacement - 3/4 Ton Truck #12	20-41600-05	2	30,000					30,000
<i>Equipment Bond</i>			30,000					30,000
New Pedestrian Trail and Sidewalk Segments	20-41600-06	1	405,000		722,000	259,000	675,000	2,061,000
<i>Grant</i>			193,550					193,550
<i>Park Dedication Funds</i>			99,000					99,000
<i>Trail Funds</i>			112,450		722,000	259,000	675,000	1,768,450
Railroad Underpass Trail	20-41600-07	1	12,000		330,000			342,000
<i>Trail Funds</i>			12,000		330,000			342,000
Replacement - Pick Up Truck #6	22-41600-01	2			40,000			40,000
<i>Equipment Bond</i>					40,000			40,000
<b>Engineering Total</b>			<b>774,000</b>	<b>586,000</b>	<b>1,738,000</b>	<b>765,000</b>	<b>1,206,000</b>	<b>5,069,000</b>

### Facility Management

Annual Parking Lot Maintenance/Replacement	20-41900-01	1	250,000	39,000	230,000	150,000	44,000	713,000
<i>Facility Maintenance Reserve</i>			250,000	39,000	230,000	150,000	44,000	713,000
Surface Seal all Brick Structures	20-41900-02	1	85,000					85,000
<i>Comm Ctr Operations</i>			12,000					12,000
<i>Facility Maintenance Reserve</i>			48,000					48,000
<i>Water Fund</i>			25,000					25,000
Replacement - Furnace/Condenser PW	20-41900-03	2	6,000					6,000
<i>General Fund</i>			6,000					6,000
Replacement - Furnace/Condenser Coil PW	20-41900-04	2	6,000					6,000
<i>General Fund</i>			6,000					6,000
Fencing Around Public Yard	20-41900-06	1	110,000					110,000
<i>Facility Maintenance Reserve</i>			110,000					110,000
Replacement - Tube Heaters PW	21-41900-01	1		80,000				80,000
<i>Facility Maintenance Reserve</i>				80,000				80,000
Replacement - Air Handling Unit/Condenser FS #1	21-41900-02	1		6,000				6,000
<i>General Fund</i>				6,000				6,000
Replacement - Tube Heaters FS #1	21-41900-03	1		25,000				25,000
<i>Facility Maintenance Reserve</i>				25,000				25,000
New - Diesel Exhaust Capturing System FS #1	21-41900-04	1		45,000				45,000
<i>Facility Maintenance Reserve</i>				45,000				45,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Replacement - Roof Top Package Unit PW <i>Facility Maintenance Reserve</i>	22-41900-01	2			45,000 45,000			45,000 45,000
Replacement - Emergency Generator FS #1 <i>Facility Maintenance Reserve</i>	23-41900-01	1				50,000 50,000		50,000 50,000
Replacement - Emergency Generator FS #2 <i>Facility Maintenance Reserve</i>	23-41900-02	1				35,000 35,000		35,000 35,000
Replacement - Emergency Generator FS #3 <i>Facility Maintenance Reserve</i>	23-41900-03	1				50,000 50,000		50,000 50,000
Replacement - Make Up Air Unit /Exhaust Fan PW <i>Facility Maintenance Reserve</i>	23-41900-04	1				125,000 125,000		125,000 125,000
Building A - Seal Floor <i>Capital Equipment Reserve</i>	23-41900-05	1				30,000 30,000		30,000 30,000
Replacement - Carpet / Tile <i>Facility Maintenance Reserve</i>	24-41900-01	1					30,000 30,000	30,000 30,000
<b>Facility Management Total</b>			457,000	195,000	275,000	440,000	74,000	1,441,000
<b>Finance</b>								
Financial / Payroll System Upgrade / Replacement <i>Capital Equipment Reserve</i>	21-41400-01	1		225,000 225,000				225,000 225,000
<b>Finance Total</b>				225,000				225,000
<b>Fire</b>								
Replacement - Turnout Gear <i>General Fund</i>	20-42200-01	1	23,000 23,000	24,000 24,000	25,000 25,000	25,000 25,000	26,000 26,000	123,000 123,000
Replacement - Engine 21 #4884 <i>Equipment Bond</i>	20-42200-02	1	510,000 510,000					510,000 510,000
Replacement - (2) SCBA Compressors St 2 & 3 <i>Equipment Bond</i>	20-42200-03	1	65,000 65,000	65,000 65,000				130,000 130,000
Replacement - 800 MHz radios <i>Capital Equipment Reserve</i>	20-42200-04	2	46,000 46,000	46,000 46,000	46,000 46,000	46,000 46,000	46,000 46,000	230,000 230,000
Replacement - Grass Utility Vehicle (UTV) #4813 <i>Equipment Bond</i>	21-42200-01	1		45,000 45,000				45,000 45,000
Replacement - Thermal Imaging Cameras <i>Equipment Bond</i>	21-42200-02	1		45,000 45,000				45,000 45,000
Replacement - Engine 31 #4800 <i>Equipment Bond</i>	22-42200-01	1			475,000 475,000			475,000 475,000
Replacement - Rescue 31 #4818 <i>Equipment Bond</i>	22-42200-02	1			100,000 100,000			100,000 100,000
<b>Fire Total</b>			644,000	225,000	646,000	71,000	72,000	1,658,000
<b>Information Technology</b>								
Windows Server 2019 DataCenter Licenses <i>Capital Equipment Reserve</i>	20-41420-01	2	12,000 12,000					12,000 12,000
Aruba Switch Upgrade <i>Capital Equipment Reserve</i>	20-41420-02	1	10,000 10,000					10,000 10,000
<b>Information Technology Total</b>			22,000					22,000
<b>Park &amp; Rec - Operations</b>								
Replace/Repair Play Structures - Various Parks <i>General Fund</i>	20-45000-01	1	100,000 100,000	100,000 100,000	100,000 100,000	100,000 100,000	100,000 100,000	500,000 500,000
Replace/Repair Major Park Projects - Various Parks	20-45000-02	1	20,000	35,000	35,000	35,000	35,000	160,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<i>General Fund</i>			20,000	35,000	35,000	35,000	35,000	160,000
Replacement - Water Tanker #161	20-45000-03	1	175,000					175,000
<i>Equipment Bond</i>			175,000					175,000
New - Large Capacity Mower	20-45000-04	1	110,000					110,000
<i>Equipment Bond</i>			110,000					110,000
Replacement - Cushman Field Dresser #547	21-45000-01	1		27,000				27,000
<i>Equipment Bond</i>				27,000				27,000
Replacement - Trailer #T-555	21-45000-02	1		18,000				18,000
<i>Equipment Bond</i>				18,000				18,000
New - Turbine Tow-Behind Blower	21-45000-03	1		8,000				8,000
<i>Capital Equipment Reserve</i>				8,000				8,000
Replacement - Large Capacity Mower #585	22-45000-01	1			120,000			120,000
<i>Equipment Bond</i>					120,000			120,000
Replacement - Tractor #515	22-45000-02	1			50,000			50,000
<i>Equipment Bond</i>					50,000			50,000
<b>Park &amp; Rec - Operations Total</b>			<b>405,000</b>	<b>188,000</b>	<b>305,000</b>	<b>135,000</b>	<b>135,000</b>	<b>1,168,000</b>
<b>Park &amp; Rec - Projects</b>								
Annual Miscellaneous Park Projects	20-45001-01	1	15,000	15,000	15,000	15,000	15,000	75,000
<i>Park Dedication Funds</i>			15,000	15,000	15,000	15,000	15,000	75,000
Andover Station North East Ball Field Lighting	20-45001-02	1	180,000					180,000
<i>Donations</i>			90,000					90,000
<i>Park Dedication Funds</i>			90,000					90,000
Prairie Knoll North Parking Lot Impr	20-45001-03	1		170,000				170,000
<i>Park Dedication Funds</i>				170,000				170,000
Dalske Preserve Boardwalk	23-45001-01	1				110,000		110,000
<i>Capital Equipment Reserve</i>						110,000		110,000
<b>Park &amp; Rec - Projects Total</b>			<b>195,000</b>	<b>185,000</b>	<b>15,000</b>	<b>125,000</b>	<b>15,000</b>	<b>535,000</b>
<b>Sanitary Sewer</b>								
Lift Station Improvements	20-48200-01	1	90,000					90,000
<i>Assessments</i>			90,000					90,000
Rural Reserve Trunk Sanitary Sewer	25-48200-01	1				3,500,000		3,500,000
<i>Assessments</i>						1,250,000		1,250,000
<i>Sewer Revenue Bonds</i>						2,250,000		2,250,000
<b>Sanitary Sewer Total</b>			<b>90,000</b>			<b>3,500,000</b>		<b>3,590,000</b>
<b>Storm Sewer</b>								
Storm Sewer Improvements	20-48300-01	1	62,000	65,000	68,000	70,000	70,000	335,000
<i>Storm Sewer Fund</i>			62,000	65,000	68,000	70,000	70,000	335,000
Replacement - Elgin Street Sweeper #169	22-48300-01	1			250,000			250,000
<i>Equipment Bond</i>					250,000			250,000
<b>Storm Sewer Total</b>			<b>62,000</b>	<b>65,000</b>	<b>318,000</b>	<b>70,000</b>	<b>70,000</b>	<b>585,000</b>
<b>Streets / Highways</b>								
Annual Street Seal Coat Project	20-43100-01	1	200,000	210,000	220,000	230,000	240,000	1,100,000
<i>Road &amp; Bridge Funds</i>			200,000	210,000	220,000	230,000	240,000	1,100,000
Annual Street Crack Seal Project	20-43100-02	1	170,000	180,000	190,000	200,000	210,000	950,000
<i>Construction Seal Coat Fund</i>			10,000	10,000	10,000	10,000	10,000	50,000
<i>Road &amp; Bridge Funds</i>			160,000	170,000	180,000	190,000	200,000	900,000
Annual Pavement Markings	20-43100-03	1	60,000	62,000	65,000	68,000	72,000	327,000
<i>Road &amp; Bridge Funds</i>			60,000	62,000	65,000	68,000	72,000	327,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Annual Curb Replacement	20-43100-04	1	56,000	58,000	60,000	62,000	65,000	307,000
<i>Road &amp; Bridge Funds</i>			<i>56,000</i>	<i>58,000</i>	<i>60,000</i>	<i>62,000</i>	<i>65,000</i>	<i>307,000</i>
Municipal State Aid Routes / New & Reconstruct	20-43100-05	1	580,000		510,000	1,400,000	630,000	3,120,000
<i>Assessments</i>			<i>25,000</i>		<i>17,500</i>	<i>187,500</i>	<i>103,500</i>	<i>333,500</i>
<i>Municipal State Aid Funds</i>			<i>555,000</i>		<i>492,500</i>	<i>1,212,500</i>	<i>526,500</i>	<i>2,786,500</i>
Annual Street Reconstruction	20-43100-06	1	1,226,000	1,401,000	2,575,000	610,000	1,581,000	7,393,000
<i>Assessments</i>			<i>307,000</i>	<i>351,000</i>	<i>644,000</i>	<i>153,000</i>	<i>396,000</i>	<i>1,851,000</i>
<i>Road &amp; Bridge Funds</i>			<i>919,000</i>	<i>1,050,000</i>	<i>1,931,000</i>	<i>457,000</i>	<i>1,185,000</i>	<i>5,542,000</i>
Intersection Upgrades	20-43100-07	1		285,000	300,000	1,800,000		2,385,000
<i>Grant</i>						<i>900,000</i>		<i>900,000</i>
<i>Municipal State Aid Funds</i>				<i>285,000</i>	<i>300,000</i>	<i>900,000</i>		<i>1,485,000</i>
Gravel Road Improvements	20-43100-08	1	21,000	21,000	22,000	23,000	24,000	111,000
<i>Road &amp; Bridge Funds</i>			<i>21,000</i>	<i>21,000</i>	<i>22,000</i>	<i>23,000</i>	<i>24,000</i>	<i>111,000</i>
Replacement - Front End Loader #124	20-43100-09	1	275,000					275,000
<i>Equipment Bond</i>			<i>275,000</i>					<i>275,000</i>
Replacement - One Ton Truck w/ Plow #133	20-43100-10	1	80,000					80,000
<i>Equipment Bond</i>			<i>80,000</i>					<i>80,000</i>
Street Overlays	20-43100-11	1	920,000	1,200,000	1,000,000	1,000,000	1,000,000	5,120,000
<i>Assessments</i>			<i>232,500</i>	<i>300,000</i>	<i>250,000</i>	<i>250,000</i>	<i>250,000</i>	<i>1,282,500</i>
<i>Road &amp; Bridge Funds</i>			<i>687,500</i>	<i>900,000</i>	<i>750,000</i>	<i>750,000</i>	<i>750,000</i>	<i>3,837,500</i>
New - Slide-In Hotbox	20-43100-12	1	19,000					19,000
<i>Equipment Bond</i>			<i>19,000</i>					<i>19,000</i>
Pedestrian Crossing	20-43100-13	2	10,000	200,000				210,000
<i>Road &amp; Bridge Funds</i>			<i>10,000</i>	<i>200,000</i>				<i>210,000</i>
New - Dump Truck w/ Snow removal	21-43100-01	1		240,000				240,000
<i>Equipment Bond</i>				<i>240,000</i>				<i>240,000</i>
New - One Ton Truck w/ Snow removal	21-43100-02	1		70,000				70,000
<i>Equipment Bond</i>				<i>70,000</i>				<i>70,000</i>
Replacement - Bobcat S185 #120	21-43100-03	1		60,000				60,000
<i>Equipment Bond</i>				<i>60,000</i>				<i>60,000</i>
New - Dump truck w/ Snow removal	22-43100-01	1			240,000			240,000
<i>Equipment Bond</i>					<i>240,000</i>			<i>240,000</i>
Replacement - Backhoe Loader #80	22-43100-02	1			100,000			100,000
<i>Equipment Bond</i>					<i>100,000</i>			<i>100,000</i>
Pedestrian Tunnel Under Crosstown Blvd.	22-43100-03	1			750,000			750,000
<i>G.O. Bond</i>					<i>750,000</i>			<i>750,000</i>
Replacement - Dump Truck w/ Snow removal #200	23-43100-01	1				240,000		240,000
<i>Equipment Bond</i>						<i>240,000</i>		<i>240,000</i>
Replacement - Aerial bucket truck #00-139	23-43100-02	1				200,000		200,000
<i>Equipment Bond</i>						<i>200,000</i>		<i>200,000</i>
Replacement - Dump Truck w/ Snow removal #201	24-43100-01	1					252,000	252,000
<i>Equipment Bond</i>							<i>252,000</i>	<i>252,000</i>
<b>Streets / Highways Total</b>			<b>3,617,000</b>	<b>3,987,000</b>	<b>6,032,000</b>	<b>5,833,000</b>	<b>4,074,000</b>	<b>23,543,000</b>

### Water

Recondition & Paint Water Tower #2	20-48100-01	1	150,000	1,000,000				1,150,000
<i>Water Trunk Fund</i>			<i>150,000</i>	<i>1,000,000</i>				<i>1,150,000</i>
Rehabilitation of Wells	21-48100-01	1		30,000		55,000		85,000
<i>Water Fund</i>				<i>30,000</i>		<i>55,000</i>		<i>85,000</i>
Water Main Improvements	21-48100-02	1		460,000				460,000
<i>Assessments</i>				<i>20,000</i>				<i>20,000</i>
<i>Water Trunk Fund</i>				<i>440,000</i>				<i>440,000</i>
Water Meter Reading System AMI/AMR	21-48100-03	2		1,300,000				1,300,000
<i>Water Fund</i>				<i>1,300,000</i>				<i>1,300,000</i>

<b>Department</b>	<b>Project #</b>	<b>Priority</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
			150,000	2,790,000		55,000		<i>2,995,000</i>
<b>Water Total</b>								
<b>GRAND TOTAL</b>			7,034,112	8,713,000	9,415,000	8,864,000	9,186,000	<i>43,212,112</i>

City of Andover, MN

*Capital Plan*

2020 thru 2024

**DEPARTMENT SUMMARY**

<b>Department</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Community Center	553,112	151,000	36,000	1,315,000		2,055,112
Emergency Management	65,000	50,000	40,000	40,000	40,000	235,000
Engineering	744,000	586,000	1,698,000	765,000	1,206,000	4,999,000
Facility Management	457,000	195,000	275,000	440,000	74,000	1,441,000
Finance		225,000				225,000
Park & Rec - Operations	120,000	135,000	135,000	135,000	135,000	660,000
Park & Rec - Projects	195,000	185,000	15,000	125,000	15,000	535,000
Sanitary Sewer					3,500,000	3,500,000
Storm Sewer	62,000	65,000	68,000	70,000	70,000	335,000
Streets / Highways	3,243,000	3,617,000	5,692,000	5,393,000	3,822,000	21,767,000
Water	150,000	2,790,000		55,000		2,995,000
<b>TOTAL</b>	<b>5,589,112</b>	<b>7,999,000</b>	<b>7,959,000</b>	<b>8,338,000</b>	<b>8,862,000</b>	<b>38,747,112</b>

City of Andover, MN

*Capital Plan*

2020 thru 2024

**FUNDING SOURCE SUMMARY**

<b>Source</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments	564,500	671,000	911,500	590,500	1,999,500	4,737,000
Capital Equipment Reserve	269,634	275,000	40,000	180,000	40,000	804,634
Comm Ctr Operations	157,000	151,000	36,000	1,315,000		1,659,000
Construction Seal Coat Fund	10,000	10,000	10,000	10,000	10,000	50,000
Donations	90,000					90,000
Facility Maintenance Reserve	681,478	189,000	275,000	410,000	74,000	1,629,478
G.O. Bond			750,000			750,000
General Fund	132,000	461,000	135,000	185,000	195,000	1,108,000
Grant	193,550			900,000		1,093,550
Municipal State Aid Funds	555,000	285,000	792,500	2,112,500	526,500	4,271,500
Park Dedication Funds	204,000	185,000	15,000	15,000	15,000	434,000
Road & Bridge Funds	2,195,500	2,757,000	3,689,000	2,046,000	2,807,000	13,494,500
Sewer Revenue Bonds					2,250,000	2,250,000
Sewer Trunk Fund	125,000	125,000	125,000	130,000	135,000	640,000
Storm Sewer Fund	62,000	65,000	68,000	70,000	70,000	335,000
Trail Funds	124,450		1,052,000	259,000	675,000	2,110,450
Water Fund	25,000	1,330,000		55,000		1,410,000
Water Trunk Fund	200,000	1,495,000	60,000	60,000	65,000	1,880,000
<b>GRAND TOTAL</b>	<b>5,589,112</b>	<b>7,999,000</b>	<b>7,959,000</b>	<b>8,338,000</b>	<b>8,862,000</b>	<b>38,747,112</b>

City of Andover, MN

Capital Plan

2020 thru 2024

**PROJECTS & FUNDING SOURCES BY DEPARTMENT**

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<b>Community Center</b>								
Replacement- Sinks/Fixtures <i>Comm Ctr Operations</i>	20-44000-01	1	15,000 <i>15,000</i>					15,000 <i>15,000</i>
Refacing Rink Boards <i>Comm Ctr Operations</i>	20-44300-01	1	30,000 <i>30,000</i>					30,000 <i>30,000</i>
Refrigeration Equipment Conversion <i>Comm Ctr Operations</i> <i>Facility Maintenance Reserve</i>	20-44300-02	1	323,478 <i>50,000</i> <i>273,478</i>					323,478 <i>50,000</i> <i>273,478</i>
Fieldhouse Floor Repair <i>Capital Equipment Reserve</i> <i>Comm Ctr Operations</i>	20-44400-01	1	184,634 <i>134,634</i> <i>50,000</i>					184,634 <i>134,634</i> <i>50,000</i>
Remodel Old Proshop Area <i>Comm Ctr Operations</i>	21-44000-02	1		20,000 <i>20,000</i>				20,000 <i>20,000</i>
Exterior Caulking <i>Comm Ctr Operations</i>	21-44000-04	1		50,000 <i>50,000</i>				50,000 <i>50,000</i>
Replacement - Lobby Furniture <i>Comm Ctr Operations</i>	21-44000-05	1		25,000 <i>25,000</i>				25,000 <i>25,000</i>
Repaint Field House Ceiling <i>Comm Ctr Operations</i>	21-44200-01	1		50,000 <i>50,000</i>				50,000 <i>50,000</i>
Refinish wooden benches <i>Comm Ctr Operations</i>	21-44300-01	1		6,000 <i>6,000</i>				6,000 <i>6,000</i>
Concrete Floor Sealant <i>Comm Ctr Operations</i>	22-44000-01	1			36,000 <i>36,000</i>			36,000 <i>36,000</i>
Carpet - Office/Fieldhouse Foyer <i>Comm Ctr Operations</i>	23-44000-01	1				15,000 <i>15,000</i>		15,000 <i>15,000</i>
Replacement - Roof <i>Comm Ctr Operations</i>	23-44000-02	1				1,300,000 <i>1,300,000</i>		1,300,000 <i>1,300,000</i>
<b>Community Center Total</b>			<b>553,112</b>	<b>151,000</b>	<b>36,000</b>	<b>1,315,000</b>		<b>2,055,112</b>
<b>Emergency Management</b>								
Emergency Operations Center Improvement <i>Capital Equipment Reserve</i>	20-42400-01	1	10,000 <i>10,000</i>	10,000 <i>10,000</i>				20,000 <i>20,000</i>
New - Emergency Siren Additions <i>Capital Equipment Reserve</i>	20-42400-02	1	55,000 <i>55,000</i>					55,000 <i>55,000</i>
Replacement - Emergency Sirens <i>Capital Equipment Reserve</i>	21-42400-01	1		40,000 <i>40,000</i>	40,000 <i>40,000</i>	40,000 <i>40,000</i>	40,000 <i>40,000</i>	160,000 <i>160,000</i>
<b>Emergency Management Total</b>			<b>65,000</b>	<b>50,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>235,000</b>
<b>Engineering</b>								
New Development Projects <i>Sewer Trunk Fund</i> <i>Water Trunk Fund</i>	20-41600-01	1	175,000 <i>125,000</i> <i>50,000</i>	180,000 <i>125,000</i> <i>55,000</i>	185,000 <i>125,000</i> <i>60,000</i>	190,000 <i>130,000</i> <i>60,000</i>	200,000 <i>135,000</i> <i>65,000</i>	930,000 <i>640,000</i> <i>290,000</i>
Pedestrian Trail Maintenance	20-41600-02	1	63,000	66,000	69,000	72,000	75,000	345,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<i>Road &amp; Bridge Funds</i>			63,000	66,000	69,000	72,000	75,000	345,000
Pedestrian/Park Trail Reconstruction	20-41600-03	1	70,000	320,000	370,000	220,000	230,000	1,210,000
<i>Capital Equipment Reserve</i>			70,000					70,000
<i>General Fund</i>				320,000		50,000	60,000	430,000
<i>Road &amp; Bridge Funds</i>					370,000	170,000	170,000	710,000
Pedestrian Curb Ramp Replacements	20-41600-04	1	19,000	20,000	22,000	24,000	26,000	111,000
<i>Road &amp; Bridge Funds</i>			19,000	20,000	22,000	24,000	26,000	111,000
New Pedestrian Trail and Sidewalk Segments	20-41600-06	1	405,000		722,000	259,000	675,000	2,061,000
<i>Grant</i>			193,550					193,550
<i>Park Dedication Funds</i>			99,000					99,000
<i>Trail Funds</i>			112,450		722,000	259,000	675,000	1,768,450
Railroad Underpass Trail	20-41600-07	1	12,000		330,000			342,000
<i>Trail Funds</i>			12,000		330,000			342,000
<b>Engineering Total</b>			<b>744,000</b>	<b>586,000</b>	<b>1,698,000</b>	<b>765,000</b>	<b>1,206,000</b>	<b>4,999,000</b>

### Facility Management

Annual Parking Lot Maintenance/Replacement	20-41900-01	1	250,000	39,000	230,000	150,000	44,000	713,000
<i>Facility Maintenance Reserve</i>			250,000	39,000	230,000	150,000	44,000	713,000
Surface Seal all Brick Structures	20-41900-02	1	85,000					85,000
<i>Comm Ctr Operations</i>			12,000					12,000
<i>Facility Maintenance Reserve</i>			48,000					48,000
<i>Water Fund</i>			25,000					25,000
Replacement - Furnace/Condenser PW	20-41900-03	2	6,000					6,000
<i>General Fund</i>			6,000					6,000
Replacement - Furnace/Condenser Coil PW	20-41900-04	2	6,000					6,000
<i>General Fund</i>			6,000					6,000
Fencing Around Public Yard	20-41900-06	1	110,000					110,000
<i>Facility Maintenance Reserve</i>			110,000					110,000
Replacement - Tube Heaters PW	21-41900-01	1		80,000				80,000
<i>Facility Maintenance Reserve</i>				80,000				80,000
Replacement - Air Handling Unit/Condenser FS #1	21-41900-02	1		6,000				6,000
<i>General Fund</i>				6,000				6,000
Replacement - Tube Heaters FS #1	21-41900-03	1		25,000				25,000
<i>Facility Maintenance Reserve</i>				25,000				25,000
New - Diesel Exhaust Capturing System FS #1	21-41900-04	1		45,000				45,000
<i>Facility Maintenance Reserve</i>				45,000				45,000
Replacement - Roof Top Package Unit PW	22-41900-01	2			45,000			45,000
<i>Facility Maintenance Reserve</i>					45,000			45,000
Replacement - Emergency Generator FS #1	23-41900-01	1				50,000		50,000
<i>Facility Maintenance Reserve</i>						50,000		50,000
Replacement - Emergency Generator FS #2	23-41900-02	1				35,000		35,000
<i>Facility Maintenance Reserve</i>						35,000		35,000
Replacement - Emergency Generator FS #3	23-41900-03	1				50,000		50,000
<i>Facility Maintenance Reserve</i>						50,000		50,000
Replacement - Make Up Air Unit /Exhaust Fan PW	23-41900-04	1				125,000		125,000
<i>Facility Maintenance Reserve</i>						125,000		125,000
Building A - Seal Floor	23-41900-05	1				30,000		30,000
<i>Capital Equipment Reserve</i>						30,000		30,000
Replacement - Carpet / Tile	24-41900-01	1					30,000	30,000
<i>Facility Maintenance Reserve</i>							30,000	30,000
<b>Facility Management Total</b>			<b>457,000</b>	<b>195,000</b>	<b>275,000</b>	<b>440,000</b>	<b>74,000</b>	<b>1,441,000</b>

### Finance

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
Financial / Payroll System Upgrade / Replacement <i>Capital Equipment Reserve</i>	21-41400-01	1		225,000				225,000
				<i>225,000</i>				<i>225,000</i>
<b>Finance Total</b>				<b>225,000</b>				<b>225,000</b>
<b>Park &amp; Rec - Operations</b>								
Replace/Repair Play Structures - Various Parks <i>General Fund</i>	20-45000-01	1	100,000	100,000	100,000	100,000	100,000	500,000
			<i>100,000</i>	<i>100,000</i>	<i>100,000</i>	<i>100,000</i>	<i>100,000</i>	<i>500,000</i>
Replace/Repair Major Park Projects - Various Parks <i>General Fund</i>	20-45000-02	1	20,000	35,000	35,000	35,000	35,000	160,000
			<i>20,000</i>	<i>35,000</i>	<i>35,000</i>	<i>35,000</i>	<i>35,000</i>	<i>160,000</i>
<b>Park &amp; Rec - Operations Total</b>			<b>120,000</b>	<b>135,000</b>	<b>135,000</b>	<b>135,000</b>	<b>135,000</b>	<b>660,000</b>
<b>Park &amp; Rec - Projects</b>								
Annual Miscellaneous Park Projects <i>Park Dedication Funds</i>	20-45001-01	1	15,000	15,000	15,000	15,000	15,000	75,000
			<i>15,000</i>	<i>15,000</i>	<i>15,000</i>	<i>15,000</i>	<i>15,000</i>	<i>75,000</i>
Andover Station North East Ball Field Lighting <i>Donations</i> <i>Park Dedication Funds</i>	20-45001-02	1	180,000					180,000
			<i>90,000</i>					<i>90,000</i>
			<i>90,000</i>					<i>90,000</i>
Prairie Knoll North Parking Lot Impr <i>Park Dedication Funds</i>	20-45001-03	1		170,000				170,000
				<i>170,000</i>				<i>170,000</i>
Dalske Preserve Boardwalk <i>Capital Equipment Reserve</i>	23-45001-01	1				110,000		110,000
						<i>110,000</i>		<i>110,000</i>
<b>Park &amp; Rec - Projects Total</b>			<b>195,000</b>	<b>185,000</b>	<b>15,000</b>	<b>125,000</b>	<b>15,000</b>	<b>535,000</b>
<b>Sanitary Sewer</b>								
Rural Reserve Trunk Sanitary Sewer <i>Assessments</i> <i>Sewer Revenue Bonds</i>	25-48200-01	1					3,500,000	3,500,000
							<i>1,250,000</i>	<i>1,250,000</i>
							<i>2,250,000</i>	<i>2,250,000</i>
<b>Sanitary Sewer Total</b>							<b>3,500,000</b>	<b>3,500,000</b>
<b>Storm Sewer</b>								
Storm Sewer Improvements <i>Storm Sewer Fund</i>	20-48300-01	1	62,000	65,000	68,000	70,000	70,000	335,000
			<i>62,000</i>	<i>65,000</i>	<i>68,000</i>	<i>70,000</i>	<i>70,000</i>	<i>335,000</i>
<b>Storm Sewer Total</b>			<b>62,000</b>	<b>65,000</b>	<b>68,000</b>	<b>70,000</b>	<b>70,000</b>	<b>335,000</b>
<b>Streets / Highways</b>								
Annual Street Seal Coat Project <i>Road &amp; Bridge Funds</i>	20-43100-01	1	200,000	210,000	220,000	230,000	240,000	1,100,000
			<i>200,000</i>	<i>210,000</i>	<i>220,000</i>	<i>230,000</i>	<i>240,000</i>	<i>1,100,000</i>
Annual Street Crack Seal Project <i>Construction Seal Coat Fund</i> <i>Road &amp; Bridge Funds</i>	20-43100-02	1	170,000	180,000	190,000	200,000	210,000	950,000
			<i>10,000</i>	<i>10,000</i>	<i>10,000</i>	<i>10,000</i>	<i>10,000</i>	<i>50,000</i>
			<i>160,000</i>	<i>170,000</i>	<i>180,000</i>	<i>190,000</i>	<i>200,000</i>	<i>900,000</i>
Annual Pavement Markings <i>Road &amp; Bridge Funds</i>	20-43100-03	1	60,000	62,000	65,000	68,000	72,000	327,000
			<i>60,000</i>	<i>62,000</i>	<i>65,000</i>	<i>68,000</i>	<i>72,000</i>	<i>327,000</i>
Annual Curb Replacement <i>Road &amp; Bridge Funds</i>	20-43100-04	1	56,000	58,000	60,000	62,000	65,000	301,000
			<i>56,000</i>	<i>58,000</i>	<i>60,000</i>	<i>62,000</i>	<i>65,000</i>	<i>301,000</i>
Municipal State Aid Routes / New & Reconstruct <i>Assessments</i> <i>Municipal State Aid Funds</i>	20-43100-05	1	580,000		510,000	1,400,000	630,000	3,120,000
			<i>25,000</i>		<i>17,500</i>	<i>187,500</i>	<i>103,500</i>	<i>333,500</i>
			<i>555,000</i>		<i>492,500</i>	<i>1,212,500</i>	<i>526,500</i>	<i>2,786,500</i>
Annual Street Reconstruction <i>Assessments</i> <i>Road &amp; Bridge Funds</i>	20-43100-06	1	1,226,000	1,401,000	2,575,000	610,000	1,581,000	7,393,000
			<i>307,000</i>	<i>351,000</i>	<i>644,000</i>	<i>153,000</i>	<i>396,000</i>	<i>1,851,000</i>
			<i>919,000</i>	<i>1,050,000</i>	<i>1,931,000</i>	<i>457,000</i>	<i>1,185,000</i>	<i>5,542,000</i>
Intersection Upgrades	20-43100-07	1		285,000	300,000	1,800,000		2,385,000

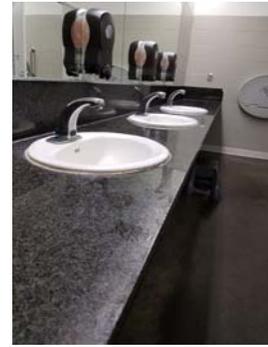
Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<i>Grant</i>						900,000		900,000
<i>Municipal State Aid Funds</i>				285,000	300,000	900,000		1,485,000
Gravel Road Improvements	20-43100-08	1	21,000	21,000	22,000	23,000	24,000	111,000
<i>Road &amp; Bridge Funds</i>			21,000	21,000	22,000	23,000	24,000	111,000
Street Overlays	20-43100-11	1	920,000	1,200,000	1,000,000	1,000,000	1,000,000	5,120,000
<i>Assessments</i>			232,500	300,000	250,000	250,000	250,000	1,282,500
<i>Road &amp; Bridge Funds</i>			687,500	900,000	750,000	750,000	750,000	3,837,500
Pedestrian Crossing	20-43100-13	2	10,000	200,000				210,000
<i>Road &amp; Bridge Funds</i>			10,000	200,000				210,000
Pedestrian Tunnel Under Crosstown Blvd.	22-43100-03	1			750,000			750,000
<i>G.O. Bond</i>					750,000			750,000
<b>Streets / Highways Total</b>			3,243,000	3,617,000	5,692,000	5,393,000	3,822,000	21,767,000
<b>Water</b>								
Recondition & Paint Water Tower #2	20-48100-01	1	150,000	1,000,000				1,150,000
<i>Water Trunk Fund</i>			150,000	1,000,000				1,150,000
Rehabilitation of Wells	21-48100-01	1		30,000		55,000		85,000
<i>Water Fund</i>				30,000		55,000		85,000
Water Main Improvements	21-48100-02	1		460,000				460,000
<i>Assessments</i>				20,000				20,000
<i>Water Trunk Fund</i>				440,000				440,000
Water Meter Reading System AMI/AMR	21-48100-03	2		1,300,000				1,300,000
<i>Water Fund</i>				1,300,000				1,300,000
<b>Water Total</b>			150,000	2,790,000		55,000		2,995,000
<b>GRAND TOTAL</b>			5,589,112	7,999,000	7,959,000	8,338,000	8,862,000	38,747,112

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-44000-01  
**Project Name** Replacement- Sinks/Fixtures



**Type** Improvement                      **Department** Community Center  
**Useful Life** 15 Years                      **Contact** Comm Ctr Manager  
**Category** Improvements                      **Priority** 1 - High

### Description

Replace all sinks and fixture throughout the facility.

### Justification

After 15+ years the sinks and fixtures are deteriorating and in need of replacement.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Comm Ctr Operations	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

### Budget Impact/Other

New sinks and fixtures will lower maintenance costs on upkeep.

# Capital Plan

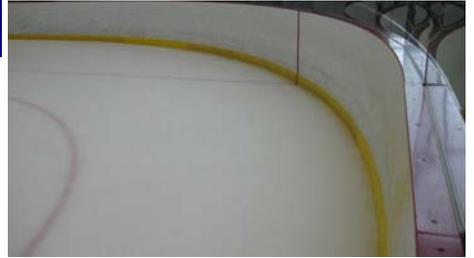
2020 *thru* 2024

## City of Andover, MN

**Project #** 20-44300-01  
**Project Name** Refacing Rink Boards

**Type** Improvement  
**Useful Life** 15-20 Years  
**Category** Improvements

**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High



### Description

Replace the white poly and yellow kick plates on the rink boards along with new netting above the glass on the ends.

### Justification

To ensure a safe and proper playing area, the rink boards, kick plates and nets need to be replaced after 15 years of wear and tear. It also gives us an opportunity to inspect all of the frames and fix alignment issues from the expansion and contraction of the sand floor.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Comm Ctr Operations	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Budget Impact/Other

There will be less maintenance initially; but as they age, the maintenance will increase as well.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-44300-02  
**Project Name** Refrigeration Equipment Conversion



**Type** Improvement  
**Useful Life** 15 Years  
**Category** Improvements  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Convert the existing r-22 freon system to a new ammonia based refrigeration system that is being installed for the new sports complex.

### Justification

The current ice arena refrigeration system uses r-22 freon as part of the system. With the complete phase out of r-22 scheduled for Jan. 1, 2020 it makes sense to convert the existing r-22 system to the new ammonia based system being installed for the new sports complex at the same time.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment	323,478					323,478
<b>Total</b>	<b>323,478</b>					<b>323,478</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Comm Ctr Operations	50,000					50,000
Facility Maintenance Reserve	273,478					273,478
<b>Total</b>	<b>323,478</b>					<b>323,478</b>

### Budget Impact/Other

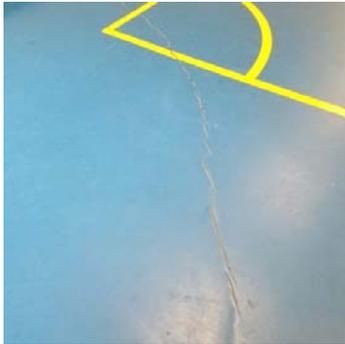
Having a new ammonia based system will eliminate the worries related to the availability of r-22 freon. The new system will also have some new technology and efficiency's that should help with overall utility costs.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-44400-01  
**Project Name** Fieldhouse Floor Repair



**Type** Improvement  
**Useful Life** 15 Years  
**Category** Improvements  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Repair cracks/failed concrete in two corners of the fieldhouse floor and resurface the entire floor with new paint.

### Justification

After 15 years the fieldhouse floor has developed some concrete issues in two of the corners. Crews will remove the areas of concern and fill with new concrete. In addition the entire surface will get a new paint job, bringing a fresh look to the space. With crews on hand to build the new fieldhouse space in makes sense to tackle this issue at the same time.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance	184,634					184,634
<b>Total</b>	<b>184,634</b>					<b>184,634</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve	134,634					134,634
Comm Ctr Operations	50,000					50,000
<b>Total</b>	<b>184,634</b>					<b>184,634</b>

### Budget Impact/Other

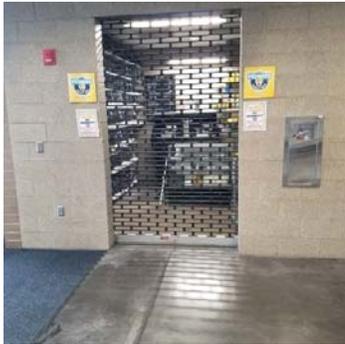
Fresh look for the space, eliminate trip hazard with cracking that has gotten worse the last few years.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44000-02  
**Project Name** Remodel Old Proshop Area



**Type** Improvement  
**Useful Life** 10 Years  
**Category** Improvements  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

We will be moving the pro shop to a new space with the expansion of the facility. The old space will be re-purposed.

### Justification

To make the space usable based on the facilities needs.

Expenditures	2020	2021	2022	2023	2024	Total
Improvement		20,000				20,000
<b>Total</b>		<b>20,000</b>				<b>20,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations		20,000				20,000
<b>Total</b>		<b>20,000</b>				<b>20,000</b>

### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44000-04  
**Project Name** Exterior Caulking



**Type** Improvement                      **Department** Community Center  
**Useful Life** 15 Years                      **Contact** Comm Ctr Manager  
**Category** Improvements                      **Priority** 1 - High

### Description

Cut out and replace exterior caulking between precast panel joints

### Justification

After 15+ year the caulking breaks down and is in need of replacement

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement		50,000				50,000
<b>Total</b>		50,000				50,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Comm Ctr Operations		50,000				50,000
<b>Total</b>		50,000				50,000

### Budget Impact/Other

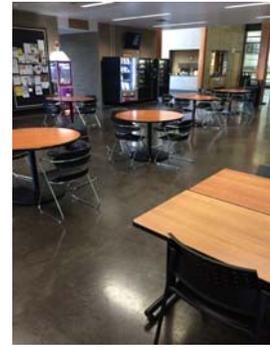
Caulking all joints will ensure the structural integrity of the facility.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44000-05  
**Project Name** Replacement - Lobby Furniture



**Type** Improvement  
**Useful Life** 15 Years  
**Category** Improvements  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Replace the lobby furniture including tables, chairs and garbage cans.

### Justification

After 15 years, the lobby furniture is in need of replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Office Equipment/Furniture		25,000				25,000
<b>Total</b>		<b>25,000</b>				<b>25,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations		25,000				25,000
<b>Total</b>		<b>25,000</b>				<b>25,000</b>

### Budget Impact/Other

After 15+ years the lobby furniture is need of replacement. New furniture will provide customers with a quality experience at ACC.

# Capital Plan

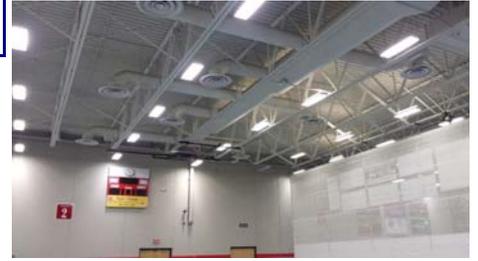
2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44200-01  
**Project Name** Repaint Field House Ceiling

**Type** Improvement  
**Useful Life** 15 Years  
**Category** Improvements

**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High



### Description

Peel/scrape paint from fieldhouse ductwork.

### Justification

After 15 years, the field house arena ceiling is showing signs of flaking and peeling. Painting the ceiling will provide a clean, restored look to the space.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance		50,000				50,000
<b>Total</b>		<b>50,000</b>				<b>50,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations		50,000				50,000
<b>Total</b>		<b>50,000</b>				<b>50,000</b>

### Budget Impact/Other

Repainting the ceiling will help maintain the life of the beams and brackets as well as provide a clean, well maintained look to the space.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44300-01  
**Project Name** Refinish wooden benches



**Type** Improvement  
**Useful Life** 10 Years  
**Category** Improvements  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Refinish the wood benches that are in all of the rink locker rooms and the public skate area.

### Justification

After 15+ years of wear and tear they are in need of refinishing.

Expenditures	2020	2021	2022	2023	2024	Total
Improvement		6,000				6,000
<b>Total</b>		<b>6,000</b>				<b>6,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations		6,000				6,000
<b>Total</b>		<b>6,000</b>				<b>6,000</b>

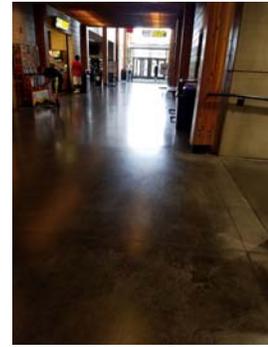
### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-44000-01  
**Project Name** Concrete Floor Sealant



**Type** Improvement                      **Department** Community Center  
**Useful Life** 15 Years                      **Contact** Comm Ctr Manager  
**Category** Improvements                      **Priority** 1 - High

### Description

Strip and reseal existing colored concrete floor throughout the facility.

### Justification

After 15+ years the floor is in need of general maintenance.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance			36,000			36,000
<b>Total</b>			<b>36,000</b>			<b>36,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Comm Ctr Operations			36,000			36,000
<b>Total</b>			<b>36,000</b>			<b>36,000</b>

### Budget Impact/Other

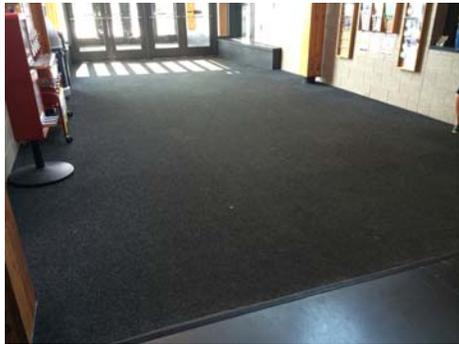
Ensure the appearance of the floors for many years.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 23-44000-01  
**Project Name** Carpet - Office/Fieldhouse Foyer



**Type** Improvement      **Department** Community Center  
**Useful Life** 10 Years      **Contact** Comm Ctr Manager  
**Category** Improvements      **Priority** 1 - High

### Description

Replacement of carpet in office area and fieldhouse foyer.

### Justification

After time, the carpet begins to wear and needs replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance				15,000		15,000
<b>Total</b>				<b>15,000</b>		<b>15,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations				15,000		15,000
<b>Total</b>				<b>15,000</b>		<b>15,000</b>

### Budget Impact/Other

Overall cost of new carpet will ensure a quality experience for our customers for another 5 years.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>23-44000-02</b>
<b>Project Name</b>	<b>Replacement - Roof</b>



<b>Type</b>	Improvement	<b>Department</b>	Community Center
<b>Useful Life</b>	20 Years	<b>Contact</b>	Comm Ctr Manager
<b>Category</b>	Improvements	<b>Priority</b>	1 - High

### Description

Full roof replacement (rubber membrane).

### Justification

After 18+ years, the rubber roof membrane will need to be replaced.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance				1,300,000		1,300,000
<b>Total</b>				<b>1,300,000</b>		<b>1,300,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Comm Ctr Operations				1,300,000		1,300,000
<b>Total</b>				<b>1,300,000</b>		<b>1,300,000</b>

### Budget Impact/Other

Overall cost of the new roof will help keep the facility structcurley sound.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>20-42400-01</b>
<b>Project Name</b>	<b>Emergency Operations Center Improvement</b>

<b>Type</b> Improvement	<b>Department</b> Emergency Management
<b>Useful Life</b> 5 years	<b>Contact</b> Fire Chief
<b>Category</b> Improvements	<b>Priority</b> 1 - High

### Description

Construct a functional Emergency Operational Center (EOC) by improving workable space at fire station #1 located at 13578 Crosstown Blvd. The improvements include light station modifications, technology improvements, lockable cabinets/storage, hand-held and stationary radios.

The funds will be used to resurface the flooring on the upper level of the fire station, cut a new door into a wall, add new technology such as screens, phones, WiFi, Map Boards, and change locks so the EOC can be secured.

### Justification

Federal and State law requires local governments to develop and maintain an Emergency All-Hazard Operations Plan. In that plan we are required to identify a primary and alternate EOC location. Fire station #1 has a lot of unused space that would convert well into an EOC with much less cost than starting new. The improvements would also allow a dual purpose for emergency personnel to train and meet using the same space.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Technology Improvements	10,000	10,000				20,000
<b>Total</b>	<b>10,000</b>	<b>10,000</b>				<b>20,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve	10,000	10,000				20,000
<b>Total</b>	<b>10,000</b>	<b>10,000</b>				<b>20,000</b>

### Budget Impact/Other

Although we have had a workable emergency plan for several years, Andover has relied upon the County to assist us during emergencies. In 2014, the Fire Chief was tasked with improving the emergency operations plan so that it could be implemented and operational in a very short time. This effort will require funds to improve the Emergency Operations Center so effective coordination can occur should the city suffer an emergency disaster.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-42400-02  
**Project Name** New - Emergency Siren Additions

**Type** Improvement                      **Department** Emergency Management  
**Useful Life** 15 Years                      **Contact** Building Official  
**Category** Equipment                      **Priority** 1 - High



### Description

Add an additional emergency warning siren in the north central rural part of Andover.

### Justification

A large residential area in the rural, north central area of Andover is insufficiently protected by siren signal/alert sound. A new siren location is proposed to be added between sirens #2 and #3. The added siren will enable audible warning signal to reach Andover residents more effectively.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	55,000					55,000
<b>Total</b>	<b>55,000</b>					<b>55,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Equipment Reserve	55,000					55,000
<b>Total</b>	<b>55,000</b>					<b>55,000</b>

### Budget Impact/Other

Annual maintenance and inspections as well as additional electrical costs.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-42400-01  
**Project Name** Replacement - Emergency Sirens

**Type** Improvement                      **Department** Emergency Management  
**Useful Life** 15 Years                      **Contact** Building Official  
**Category** Equipment                      **Priority** 1 - High



### Description

Replace 7 older emergency sirens, two per year.

### Justification

The sirens were variously installed between the years of 2001 and 2003. Various upgrades have been made to existing installations and the system has grown and evolved to what it is today. There are presently seven (7) older siren installations remaining throughout the City. Substantial maintenance concerns have come to light in several of the siren installations. Water has entered main electrical cabinets, panels and control cabinets and corrosion has been observed on the control boards.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment		40,000	40,000	40,000	40,000	160,000
<b>Total</b>		<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>160,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve		40,000	40,000	40,000	40,000	160,000
<b>Total</b>		<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>160,000</b>

### Budget Impact/Other

Less time and money spent on repairs.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-01  
**Project Name** New Development Projects



**Type** Improvement                      **Department** Engineering  
**Useful Life** 50 Years                      **Contact** DPW / City Engineer  
**Category** Improvements                      **Priority** 1 - High

### Description

New developments include the construction of sanitary sewer, water main, storm sewers and streets. Since the majority of the improvement projects are being privately installed by the developer, the following expenditures are the city's share for trunk water and sewer improvements.

### Justification

The development phasing is identified in the City's Comprehensive Plan.  
 Note: All private development construction is dependent upon market conditions, plat approval and normal City development procedures.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction	175,000	180,000	185,000	190,000	200,000	930,000
<b>Total</b>	<b>175,000</b>	<b>180,000</b>	<b>185,000</b>	<b>190,000</b>	<b>200,000</b>	<b>930,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Sewer Trunk Fund	125,000	125,000	125,000	130,000	135,000	640,000
Water Trunk Fund	50,000	55,000	60,000	60,000	65,000	290,000
<b>Total</b>	<b>175,000</b>	<b>180,000</b>	<b>185,000</b>	<b>190,000</b>	<b>200,000</b>	<b>930,000</b>

### Budget Impact/Other

Additional maintenance of streets, storm sewer, water main and sanitary sewer will result. Additional streets will be added for snowplowing.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-02  
**Project Name** Pedestrian Trail Maintenance



**Type** Improvement  
**Useful Life** 5 years  
**Category** Improvements  
**Department** Engineering  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

This project provides maintenance such as crack filling and fog sealing for the City's pedestrian trail system.

### Justification

City trails are in need of general maintenance including crack filling and fog sealing to maintain the high level of service to pedestrian walkers, bikers and roller bladers.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	63,000	66,000	69,000	72,000	75,000	345,000
<b>Total</b>	<b>63,000</b>	<b>66,000</b>	<b>69,000</b>	<b>72,000</b>	<b>75,000</b>	<b>345,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Road & Bridge Funds	63,000	66,000	69,000	72,000	75,000	345,000
<b>Total</b>	<b>63,000</b>	<b>66,000</b>	<b>69,000</b>	<b>72,000</b>	<b>75,000</b>	<b>345,000</b>

### Budget Impact/Other

As the City trail system begins to age, routine preventative maintenance such as crack filling and fog sealing becomes a necessity. The maintenance will allow for a longer service life for the trail system throughout the city.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-03  
**Project Name** Pedestrian/Park Trail Reconstruction



**Type** Improvement      **Department** Engineering  
**Useful Life** 25 Years      **Contact** DPW / City Engineer  
**Category** Trail Construction      **Priority** 1 - High

### Description

As the City's trail system ages and deteriorates, reconstruction of segments becomes necessary to maintain the high quality trail system that is so sought after in Andover.

2020: Hills of Bunker Lake West Park (\$140,000: \$70,000 carryforward from 2019)  
 2021: Kelsey Round Lake Park (\$320,000)  
 2022: Tom Anderson Trail (Hanson Blvd to Bunker Lake Blvd) (\$370,000)  
 2023-2025 Projects based on annual condition inspections.

### Justification

Many trail segments in the City are reaching 25+ years in age. There are segments that are in need of reconstruction to help maintain the level of service expected in the trail system by residents.

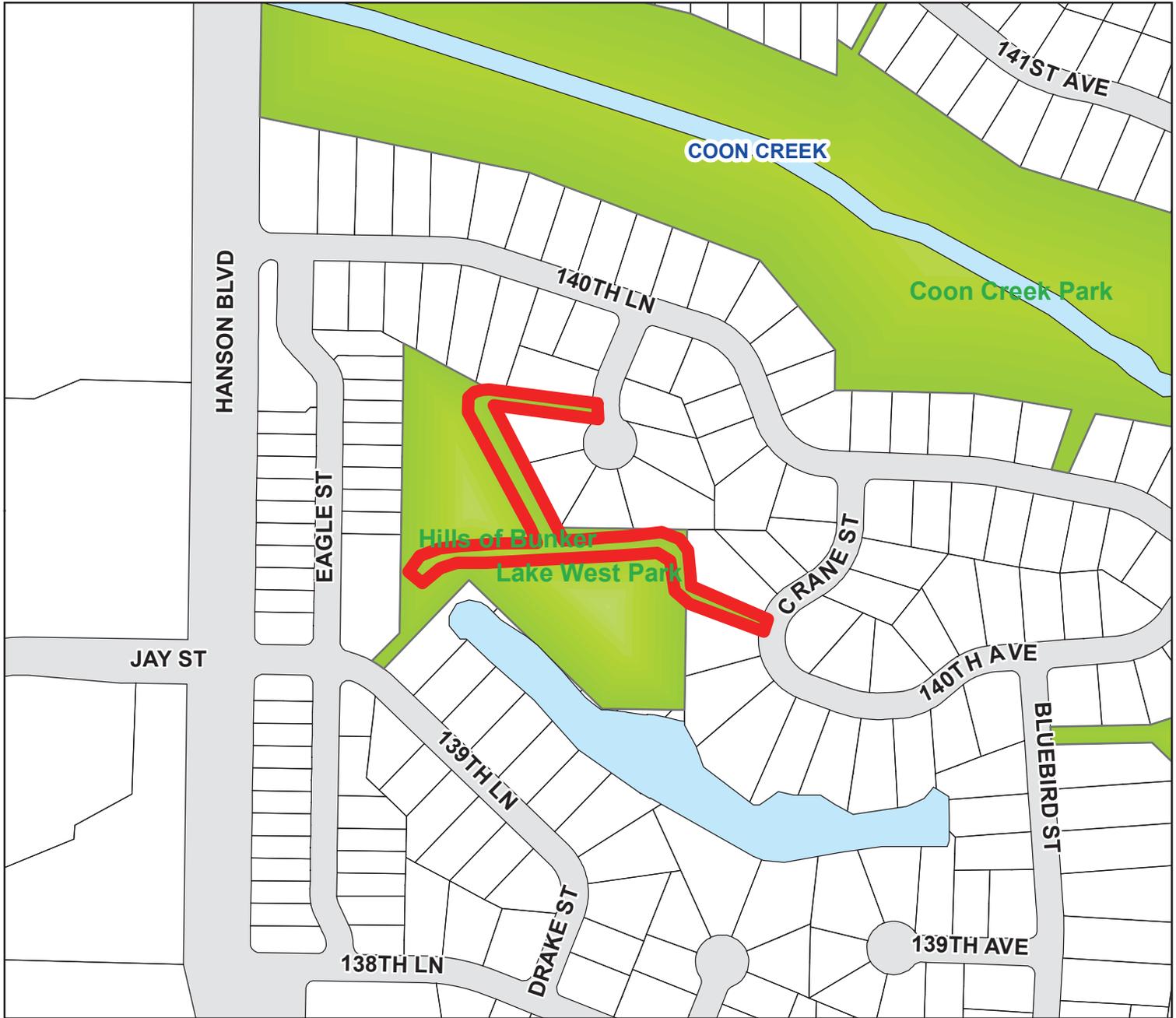
<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction	70,000	320,000	370,000	220,000	230,000	1,210,000
<b>Total</b>	<b>70,000</b>	<b>320,000</b>	<b>370,000</b>	<b>220,000</b>	<b>230,000</b>	<b>1,210,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve	70,000					70,000
General Fund		320,000		50,000	60,000	430,000
Road & Bridge Funds			370,000	170,000	170,000	710,000
<b>Total</b>	<b>70,000</b>	<b>320,000</b>	<b>370,000</b>	<b>220,000</b>	<b>230,000</b>	<b>1,210,000</b>

### Budget Impact/Other

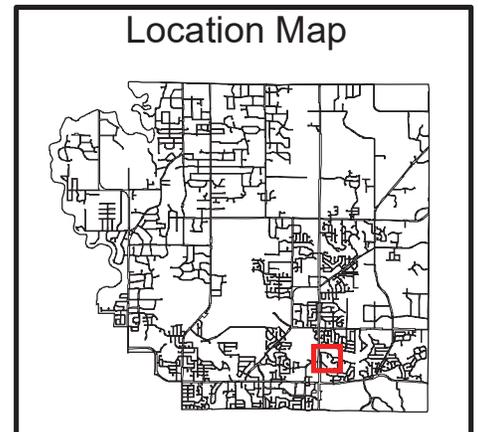
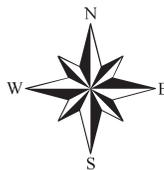
Reconstruction of trail segments in need will help reduce short and long term maintenance costs necessary to keep them serviceable. It will also improve the safety of the trail system.

Project Name: TRAIL RECONSTRUCTION  
HILLS OF BUNKER LAKE WEST PARK

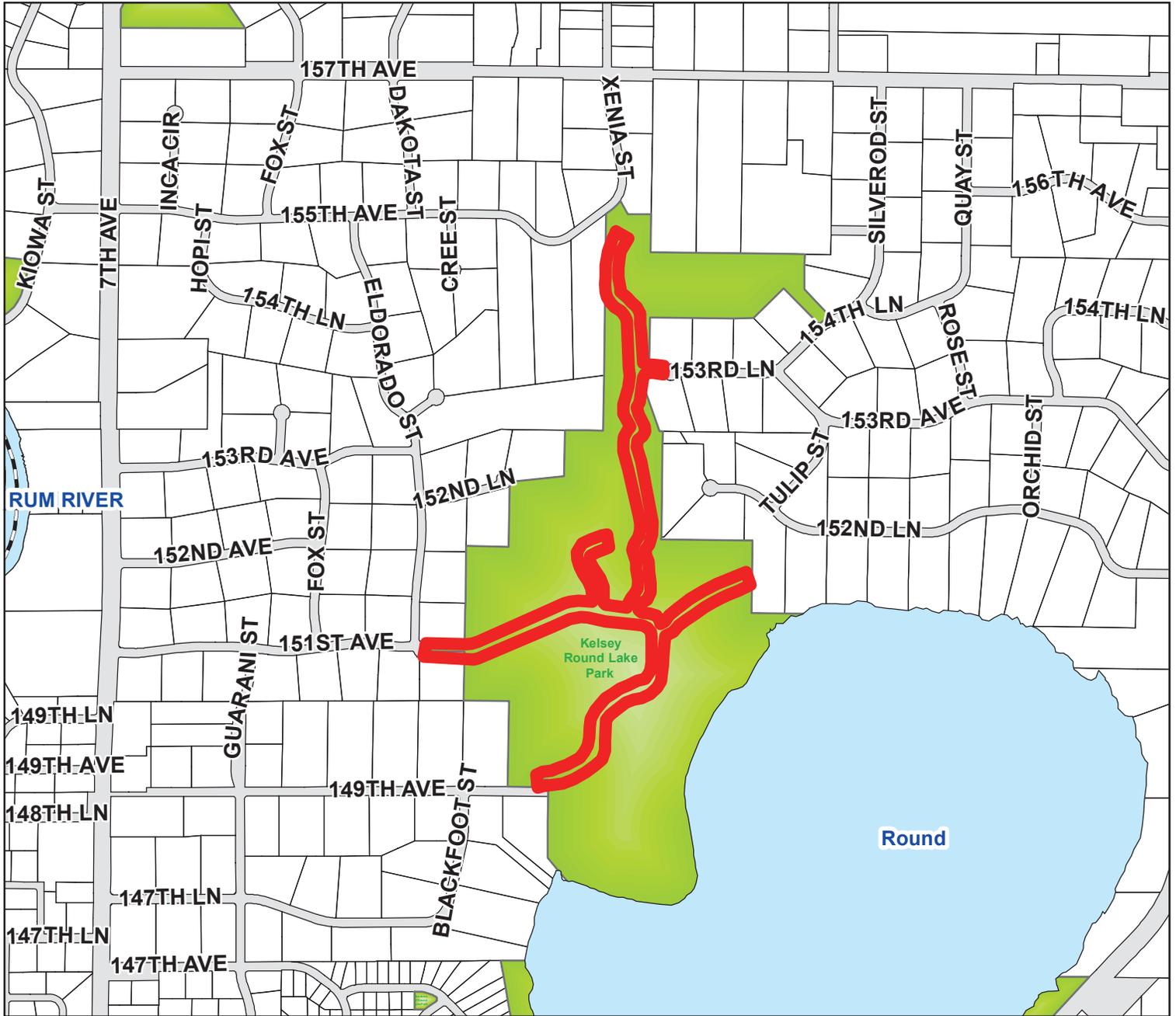


**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

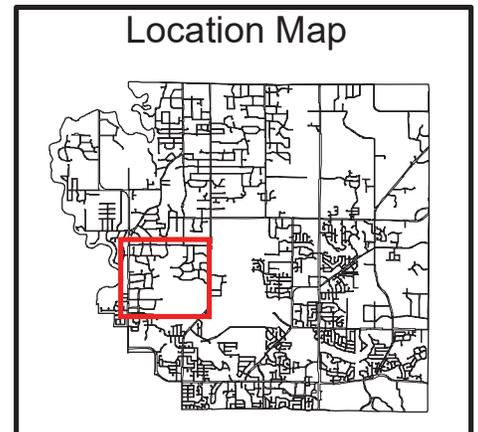
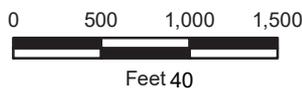


Project Name: TRAIL RECONSTRUCTION  
KELSEY ROUND LAKE PARK

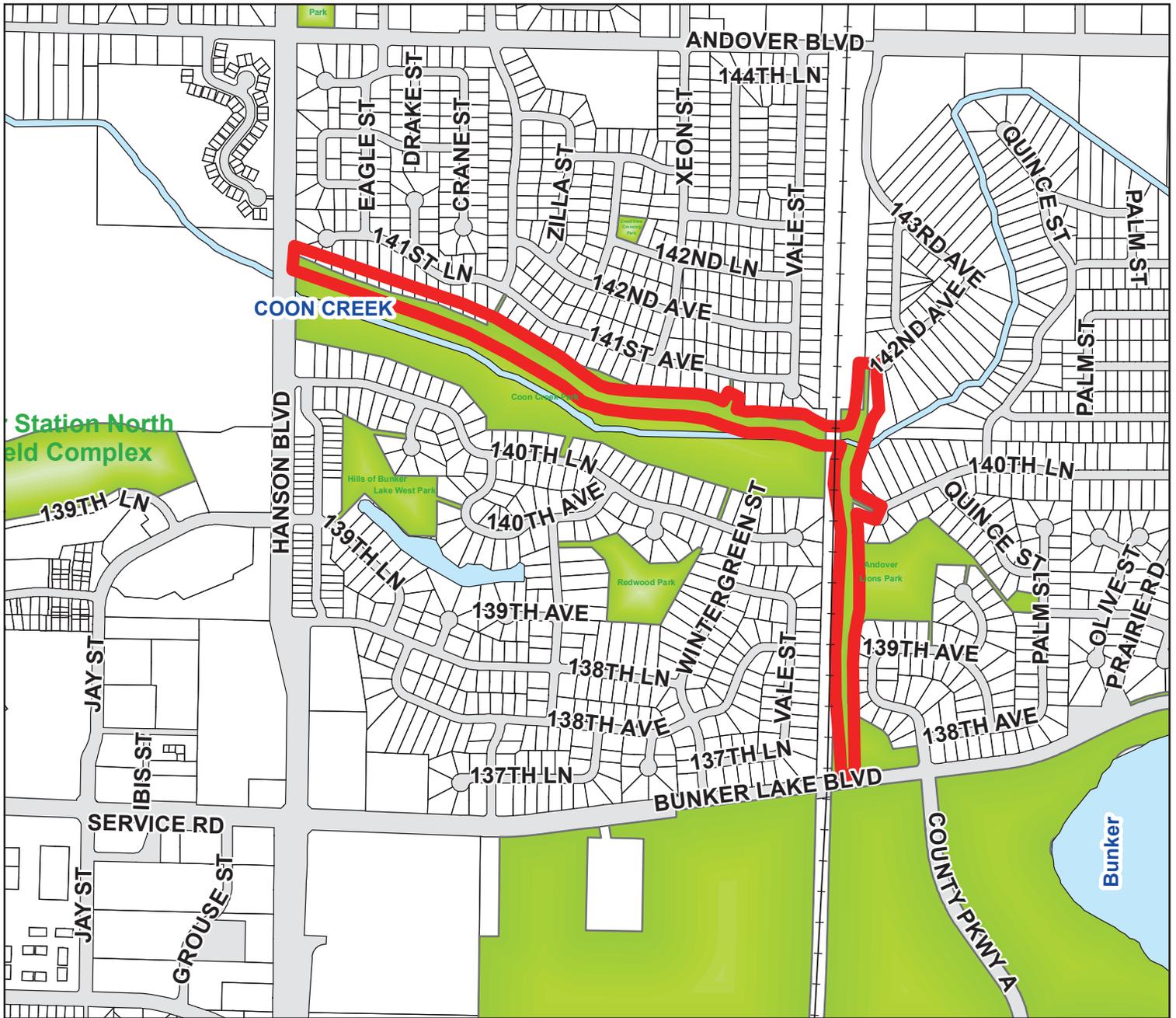


**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

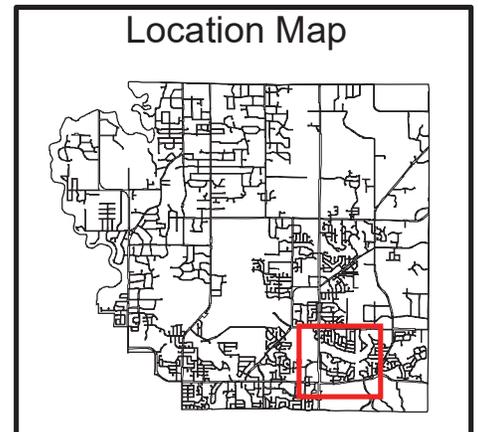
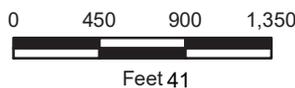
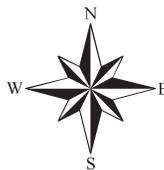


Project Name: TRAIL RECONSTRUCTION  
TOM ANDERSON TRAIL



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-04  
**Project Name** Pedestrian Curb Ramp Replacements

**Type** Improvement  
**Useful Life** 25 Years  
**Category** Improvements  
**Department** Engineering  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

This project will result in the City trails and sidewalks being in compliance with the Americans with Disabilities Act by replacing existing pedestrian curb ramps to meet standards.

### Justification

The Americans with Disability Act requires that all public facilities be accessible to those with disabilities. As a part of the ADA, pedestrian curb ramps are required to follow strict standards to ensure they are accessible. Numerous pedestrian ramps in the City are not in compliance with the ADA. This project works towards bringing our trail and sidewalk system into compliance by replacing multiple ramps each year.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	19,000	20,000	22,000	24,000	26,000	111,000
<b>Total</b>	<b>19,000</b>	<b>20,000</b>	<b>22,000</b>	<b>24,000</b>	<b>26,000</b>	<b>111,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Road & Bridge Funds	19,000	20,000	22,000	24,000	26,000	111,000
<b>Total</b>	<b>19,000</b>	<b>20,000</b>	<b>22,000</b>	<b>24,000</b>	<b>26,000</b>	<b>111,000</b>

### Budget Impact/Other

This will help bring City facilities into compliance with the Americans with Disabilities Act.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-06  
**Project Name** New Pedestrian Trail and Sidewalk Segments



**Type** Improvement  
**Useful Life** 25 Years  
**Category** Improvements  
**Department** Engineering  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

The City of Andover has an extensive trail and sidewalk system for pedestrians and bikers. Future planned trail and sidewalk connections provide key links within the existing system. The following segments are proposed to be constructed as funds become available:

- 2020 10' Bit. Andover Station North Trail Connection(\$230,000 total - Partial DNR Grant-\$117,550)
- 8' Bit. Trail Kelsey Round Lake Park (\$175,000 total - DNR Grant max \$76,000)
- 2022: 8' Bit. Trail along Crosstown Blvd - Xeon Street to Rail Road Tracks (\$168,000)
- 8' Bit. Trail along Crosstown Blvd - Rail Road Tracks to 157th Ave (\$304,000)
- 8' Bit. Trail along Crosstown Blvd - 157th Ave to 159th Ave (\$250,000)
- 2023: 8' Bit. Trail along Station Parkway - Thrush St to Partridge Cir. (\$74,000)
- 8' Bit. Trail along Station Parkway - Patridge Cir. To Hanson Blvd (\$185,000)
- 2024: 8' Bit. Trail and Boardwalk along Verdin Street - 161st Ave to 163rd Lane (\$675,000)

### Justification

Expansion of the City's trail and sidewalk system provides more recreational and exercise opportunities along with an alternative mode of transportation. These segments provide key connections to other existing trail and sidewalk routes.

Expenditures	2020	2021	2022	2023	2024	Total
Improvement	405,000		722,000	259,000	675,000	2,061,000
<b>Total</b>	<b>405,000</b>		<b>722,000</b>	<b>259,000</b>	<b>675,000</b>	<b>2,061,000</b>

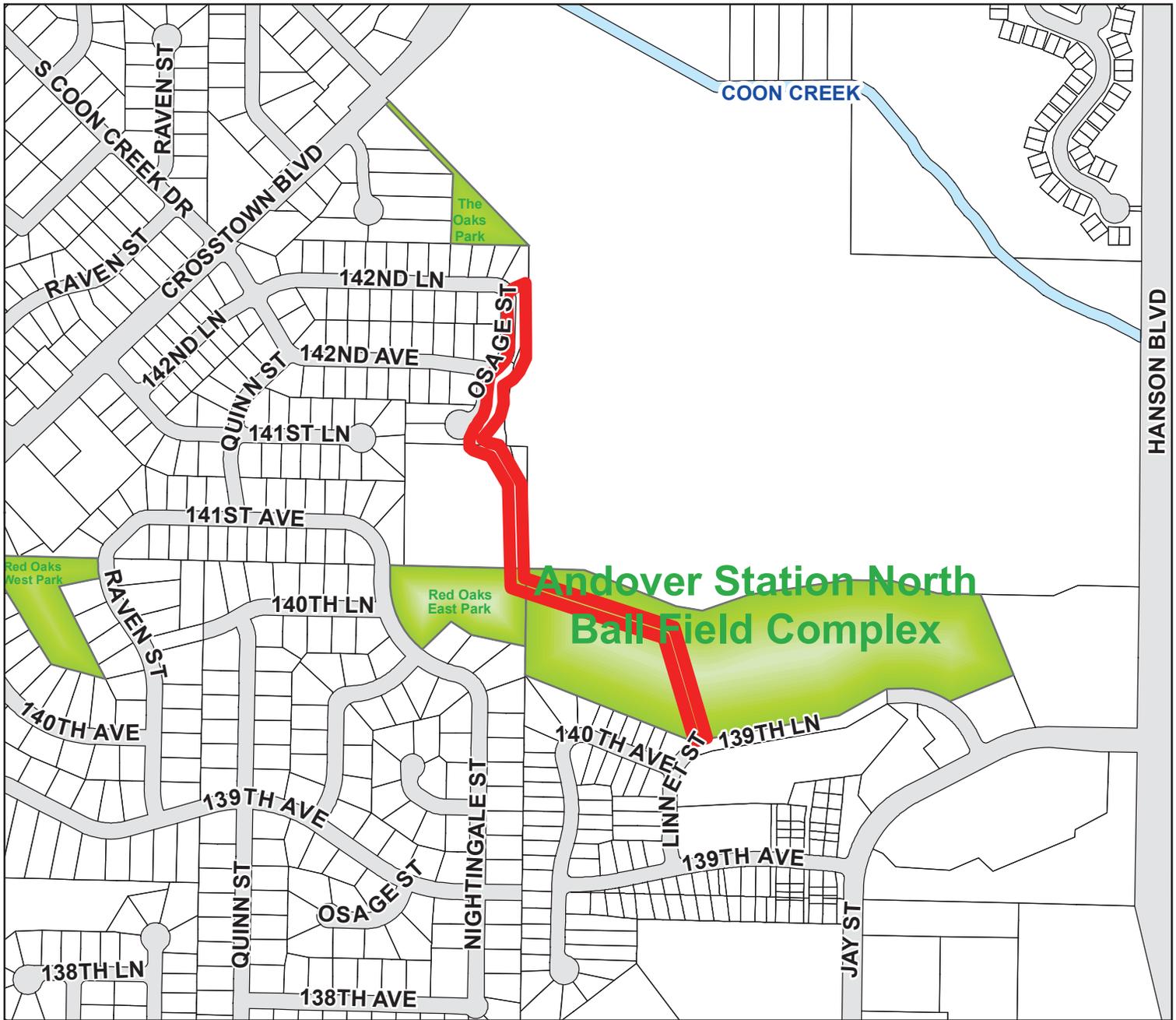
Funding Sources	2020	2021	2022	2023	2024	Total
Grant	193,550					193,550
Park Dedication Funds	99,000					99,000
Trail Funds	112,450		722,000	259,000	675,000	1,768,450
<b>Total</b>	<b>405,000</b>		<b>722,000</b>	<b>259,000</b>	<b>675,000</b>	<b>2,061,000</b>

### Budget Impact/Other

Annual inspection and sweeping; and general maintenance including bituminous patching, crack filling and fog sealing to maintain the high level of service to pedestrians.

Project Name: TRAIL IMPROVEMENTS

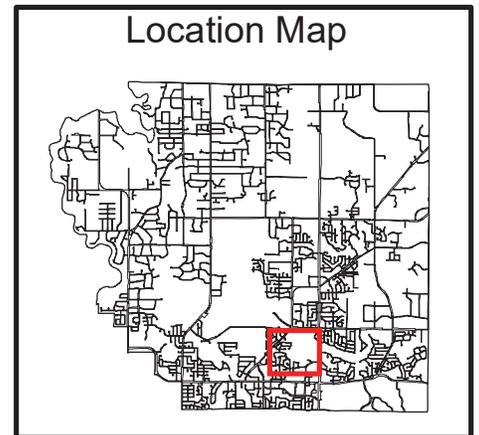
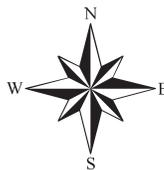
KENSINGTON ESTATES 7TH ADD TO ANDOVER STATION NORTH



**Andover Station North  
Ball Field Complex**

**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

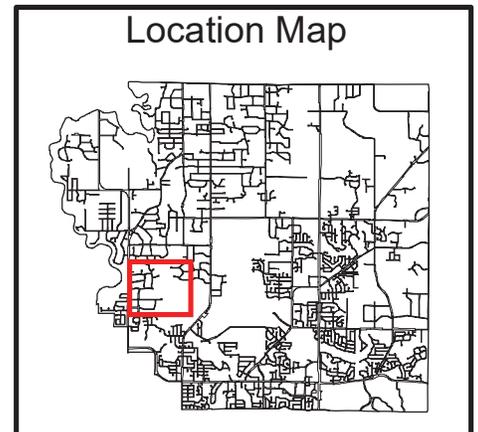
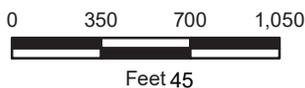
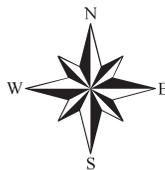


Project Name: TRAIL IMPROVEMENTS  
KELSEY ROUND LAKE PARK



### LEGEND

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

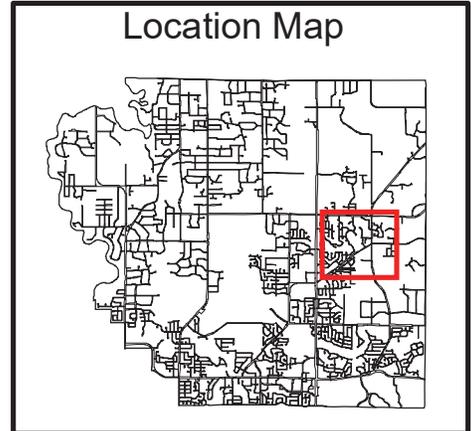
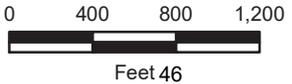


Project Name: TRAIL IMPROVEMENTS  
 CROSTOWN BLVD TRAIL - 159TH AVE TO XEON ST



### LEGEND

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

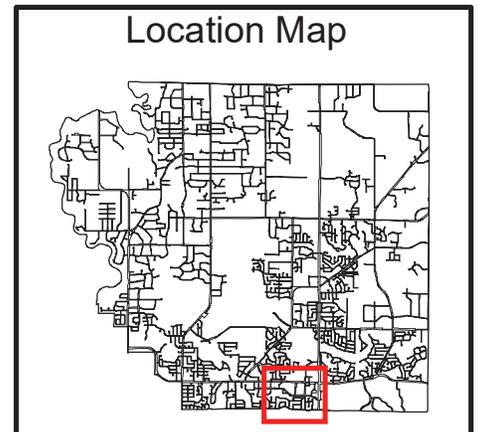
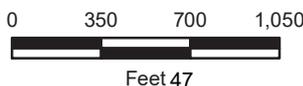
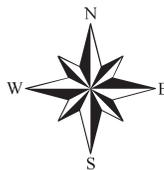


Project Name: TRAIL IMPROVEMENTS  
STATION PARKWAY



### LEGEND

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

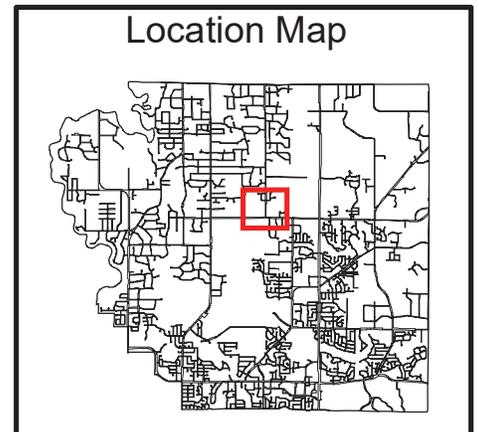
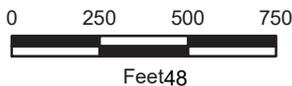
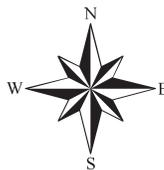


Project Name: TRAIL IMPROVEMENTS  
 VERDIN ST 161ST AVE TO 163RD LANE



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-07  
**Project Name** Railroad Underpass Trail



**Type** Improvement  
**Useful Life** 20 Years  
**Category** Improvements  
**Department** Engineering  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Construct a Railroad Underpass Trail to connect internal development trails from the Winslow Cove 2nd Addition development to the east side of the railroad tracks. Land was acquired in 2019. Fifty percent design in 2020 (\$12,000). Construction in 2022 (\$330,000).

### Justification

A pedestrian underpass under the railroad tracks will provide a safe trail crossing at the tracks. This is an important connection to tie the City trail system from the east to the west side of the tracks. Future trail segments could extend to Prairie Knoll Park.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Planning/Design	12,000					12,000
Improvement			330,000			330,000
<b>Total</b>	<b>12,000</b>		<b>330,000</b>			<b>342,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Trail Funds	12,000		330,000			342,000
<b>Total</b>	<b>12,000</b>		<b>330,000</b>			<b>342,000</b>

### Budget Impact/Other

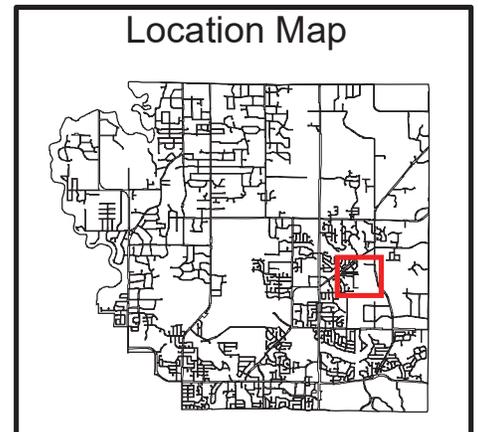
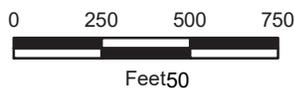
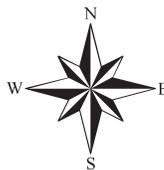
Ongoing maintenance and replacement.

Project Name: RAILROAD UNDERPASS TRAIL



**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41900-01  
**Project Name** Annual Parking Lot Maintenance/Replacement



**Type** Improvement  
**Useful Life** 10 Years  
**Category** Facility Management  
**Department** Facility Management  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Yearly maintenance of the City parking lots is necessary to prolong the life of the pavements. Parking lots that need maintaining include those at the City Hall complex, Public Works, Community Center, at City parks, and at the Fire Stations. Yearly maintenance may include crack sealing, seal coating, and mill and overlays. Maintenance will generally be completed with the street zones, or on an as needed basis.

Parking lots also need to be reconstructed when they have exceeded the design life. Lots that are at that point are as follows:

2020 Public Works drive between the Water Treatment Plant and drive aisle around old fuel island and east side of main garage. This project will also include the removal of the old fuel island and tanks.

2022 City Hall parking lot reconstruction and expansion along with the drive lane to the City Hall garage.

2023 Fire Station 2 parking lot.

### Justification

Completing periodic maintenance on the City parking lots, similar to City streets, will extend the overall design life of the pavement and reduce and/or prolong costly repairs.

Reconstruction of parking lots is important to the continuation of infrastructure replacement and is needed when the pavement has exceeded the design life.

Expenditures	2020	2021	2022	2023	2024	Total
Improvement	250,000	39,000	230,000	150,000	44,000	713,000
<b>Total</b>	<b>250,000</b>	<b>39,000</b>	<b>230,000</b>	<b>150,000</b>	<b>44,000</b>	<b>713,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Facility Maintenance Reserve	250,000	39,000	230,000	150,000	44,000	713,000
<b>Total</b>	<b>250,000</b>	<b>39,000</b>	<b>230,000</b>	<b>150,000</b>	<b>44,000</b>	<b>713,000</b>

### Budget Impact/Other

Maintaining and reconstructing parking lots will result in less annual maintenance for public works by less pothole patching and pavement upkeep.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41900-02  
**Project Name** Surface Seal all Brick Structures



**Type** Improvement  
**Useful Life** 5 years  
**Category** Facility Management  
**Department** Facility Management  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

A surface sealing application would be initiated for all brick and/or block municipal buildings. The buildings include: City Hall, Public Works, Fire Station 1, 2, & 3, Sunshine Park Building, Prairie Knoll Park Building, Andover Station North Park Building, Community Center and all utility department buildings such as the pump houses and treatment facility.

### Justification

This is a necessary maintenance item to ensure the long term integrity of the municipal buildings.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance	85,000					85,000
<b>Total</b>	<b>85,000</b>					<b>85,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations	12,000					12,000
Facility Maintenance Reserve	48,000					48,000
Water Fund	25,000					25,000
<b>Total</b>	<b>85,000</b>					<b>85,000</b>

### Budget Impact/Other

This will reduce the amount of long term maintenance and repair to the municipal buildings.



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41900-04  
**Project Name** Replacement - Furnace/Condenser Coil PW

**Type** Improvement  
**Useful Life** 15-20 Years  
**Category** Facility Management

**Department** Facility Management  
**Contact** Facilities Maintenance Superviso  
**Priority** 2 - Medium



### Description

Replace the Rheem furnace and condensing coil at Public Works.

### Justification

Equipment life expectancy is 15-20 years and by 2020 it will have reached 20 years. It will continued to be monitored as to the best time for replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance	6,000					6,000
<b>Total</b>	<b>6,000</b>					<b>6,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	6,000					6,000
<b>Total</b>	<b>6,000</b>					<b>6,000</b>

### Budget Impact/Other

More efficient due to the age of the unit.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>20-41900-06</b>
<b>Project Name</b>	<b>Fencing Around Public Yard</b>

<b>Type</b> Improvement	<b>Department</b> Facility Management
<b>Useful Life</b> 15-20 Years	<b>Contact</b> DPW / City Engineer
<b>Category</b> Facility Management	<b>Priority</b> 1 - High

### Description

Construct a 6 foot fence around the north side of Public Works to provide screening and security.

### Justification

Through the construction of Verterans Memorial Boulevard and the expansion of the Community Center the rear yard of Public Works facility has been exposed and existing fencing has been removed. A fence is needed to provide screening and security of the north side of the facility.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	110,000					110,000
<b>Total</b>	<b>110,000</b>					<b>110,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance Reserve	110,000					110,000
<b>Total</b>	<b>110,000</b>					<b>110,000</b>

### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-41900-01  
**Project Name** Replacement - Tube Heaters PW



**Type** Improvement      **Department** Facility Management  
**Useful Life** 15-20 Years      **Contact** Facilities Maintenance Superviso  
**Category** Facility Management      **Priority** 1 - High

### Description

Replace the tube heaters in garage A, B and C at Public Works.

### Justification

This system was installed in 1996 and typically last 18 years. We can no longer get parts for the existing system so repairs are getting more expensive. Newer models are much more efficient and will save on natural gas costs. It will continued to be monitored as to the best time for replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance		80,000				80,000
<b>Total</b>		<b>80,000</b>				<b>80,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Facility Maintenance Reserve		80,000				80,000
<b>Total</b>		<b>80,000</b>				<b>80,000</b>

### Budget Impact/Other

Lower maintenance cost and better efficiency.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-41900-02  
**Project Name** Replacement - Air Handling Unit/Condenser FS #1

**Type** Improvement                      **Department** Facility Management  
**Useful Life** 25 Years                      **Contact** Facilities Maintenance Superviso  
**Category** Facility Management                      **Priority** 1 - High



### Description

Replace the air handling unit/condenser at Fire Station #1.

### Justification

This piece of equipment was installed in 1992 and typically last 25 years. This system supplies the cooling to the radio room at Fire Station #1. It will continued to be monitored as to the best time for replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance		6,000				6,000
<b>Total</b>		<b>6,000</b>				<b>6,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund		6,000				6,000
<b>Total</b>		<b>6,000</b>				<b>6,000</b>

### Budget Impact/Other

More efficient due to the age of the unit.



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-41900-04  
**Project Name** New - Diesel Exhaust Capturing System FS #1

**Type** Improvement  
**Useful Life** 10 Years  
**Category** Improvements

**Department** Facility Management  
**Contact** Fire Chief  
**Priority** 1 - High



### Description

Install a vehicle exhaust capturing system at Fire Station #1.

### Justification

Hazardous vehicle exhaust emissions in a fire station are a firefighter’s most significant cancer health risk. We can eliminate this hazard from our fire station with a code compliant vehicle exhaust capture and removal system. This totally automatic start-up and disconnect source capture systems are the recommended method for controlling exhaust emissions at our station.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement		45,000				45,000
<b>Total</b>		<b>45,000</b>				<b>45,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance Reserve		45,000				45,000
<b>Total</b>		<b>45,000</b>				<b>45,000</b>

### Budget Impact/Other

Capturing the airborne particles at the source, prior to their spreading in the local environment, is the most efficient method to achieve a safe and healthy working environment. It minimizes the amount of air that needs to be removed, thereby reducing the total investment in air handling equipment and also reducing the total energy consumption.











# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 23-41900-05  
**Project Name** Building A - Seal Floor



**Type** Improvement  
**Useful Life** 2 Years  
**Category** Facility Management  
**Department** Facility Management  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Apply a sealant to the cement floor in Building A (large garage).

### Justification

The cement floor in Building A spalls due to daily traffic and salt. Sealing the floors should be repeated every 4 years to retain the integrity of the floor surface. Without this process, the cement floor would deteriorate and have to be replaced. It is much more cost effective to perform the maintenance than to replace the entire floor.

Expenditures	2020	2021	2022	2023	2024	Total
Facility Maintenance				30,000		30,000
<b>Total</b>				<b>30,000</b>		<b>30,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Equipment Reserve				30,000		30,000
<b>Total</b>				<b>30,000</b>		<b>30,000</b>

### Budget Impact/Other

Proper maintenance extends the life of the cement floor, thus not having to replace it before its life expectancy is up.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 24-41900-01  
**Project Name** Replacement - Carpet / Tile



**Type** Improvement  
**Useful Life** 10 Years  
**Category** Facility Management  
**Department** Facility Management  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

The replacement of carpet and tile in appropriate areas of all City buildings where deemed necessary. An annual review of all areas will be done to determine the order of replacement.

### Justification

The buildings get a lot of use and, despite the appropriate cleaning and maintenance, the carpeting and tile will need to be replaced.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance					30,000	30,000
<b>Total</b>					<b>30,000</b>	<b>30,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Facility Maintenance Reserve					30,000	30,000
<b>Total</b>					<b>30,000</b>	<b>30,000</b>

### Budget Impact/Other

The carpet and tile replacement will be needed in order to keep the buildings in good repair. Due to heavy use, it is anticipated that all carpeted and tiled areas will need to be replaced.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-41400-01  
**Project Name** Financial / Payroll System Upgrade / Replacement

**Type** Improvement                      **Department** Finance  
**Useful Life** 10 Years                      **Contact** Finance Manager  
**Category** Equipment                      **Priority** 1 - High

### Description

Upgrade or replace the current financial/payroll software program.

### Justification

The financial and payroll systems are the primary tools utilized by the Finance Department to provide financial and payroll services to the City. The current system is due for an upgrade so it's time to explore moving to the "cloud" with our current vendor or exploring other options.

<u>Expenditures</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>Total</u>
Technology Improvements		225,000				225,000
<b>Total</b>		<b>225,000</b>				<b>225,000</b>

<u>Funding Sources</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>Total</u>
Capital Equipment Reserve		225,000				225,000
<b>Total</b>		<b>225,000</b>				<b>225,000</b>

### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-45000-01  
**Project Name** Replace/Repair Play Structures - Various Parks



**Type** Improvement  
**Useful Life** 15-20 Years  
**Category** Park Improvements  
**Department** Park & Rec - Operations  
**Contact** Asst.Public Works Director  
**Priority** 1 - High

### Description

The parks listed are in need of replacing the existing playground equipment and repairing the fall zones to achieve ADA accessibility. The proposed playground equipment improvements/rebuilds are as follows:

2020 - Strootman Park and Hidden Creek North Park  
 2021 - Sunshine Park and Hawkridge Park  
 2022 - Prairie Knoll Park and Rose Park  
 2023 - Wild Iris Park and Hills of Bunker Lake West Park  
 2024 - Hidden Creek East Park, Oakview Park & Shady Knoll Park

### Justification

Old equipment no longer meets ADA requirements, such as entrapments, fall zones and handicap accessibility. Working to bring the parks up to meet all safety requirements.

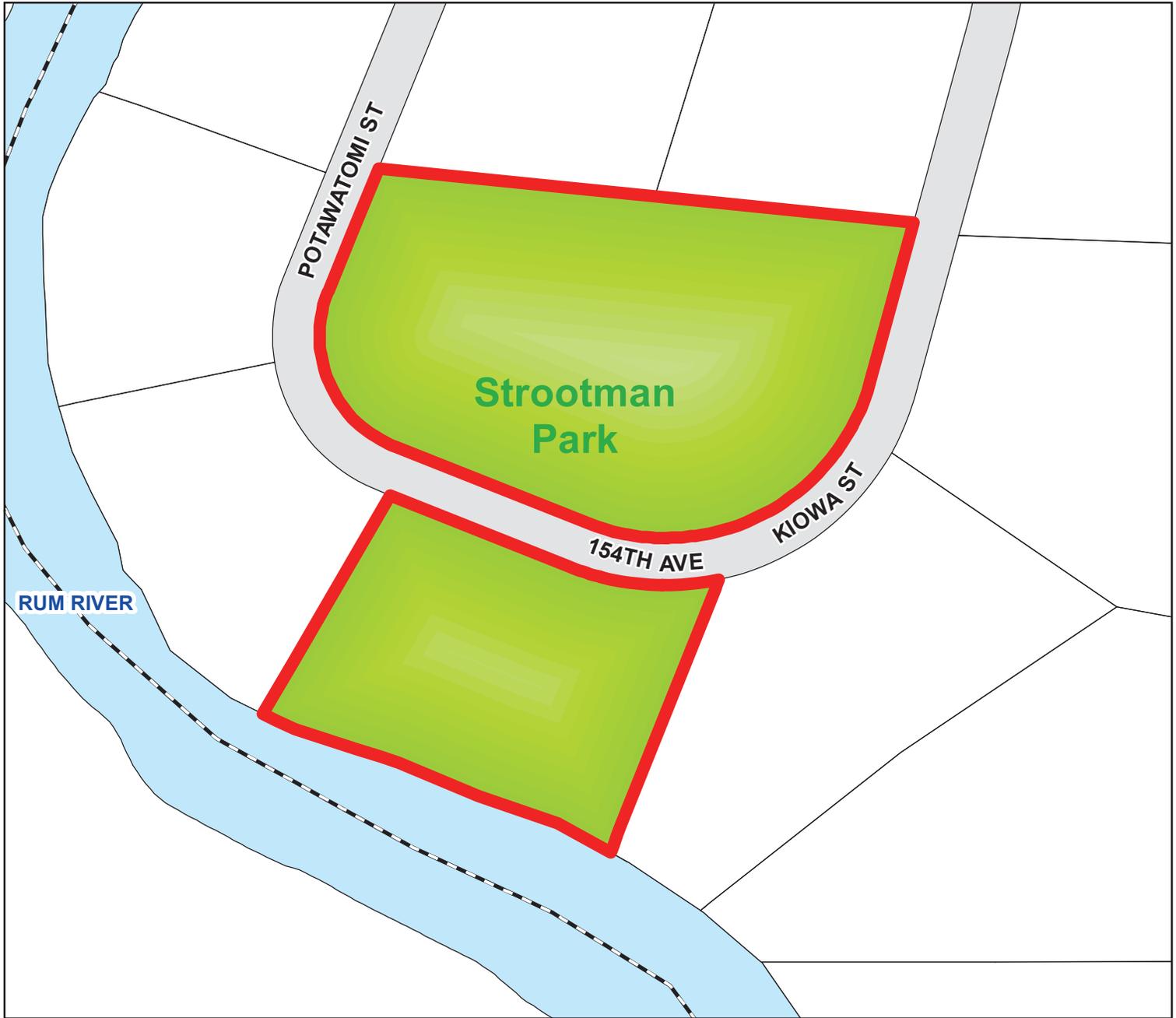
Expenditures	2020	2021	2022	2023	2024	Total
Equipment	100,000	100,000	100,000	100,000	100,000	500,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
General Fund	100,000	100,000	100,000	100,000	100,000	500,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,000</b>

### Budget Impact/Other

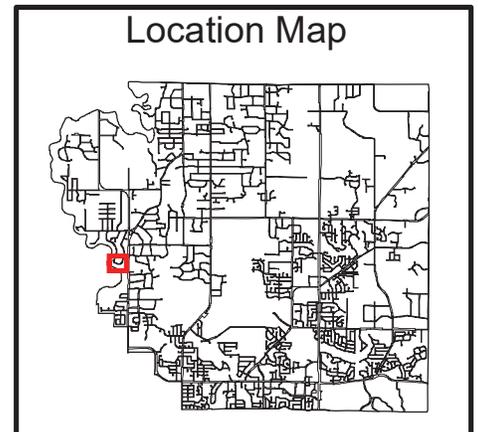
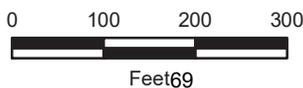
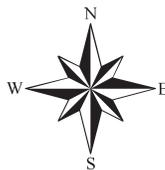
Less maintenance and will meet all safety requirements.

Project Name: STROOTMAN PARK

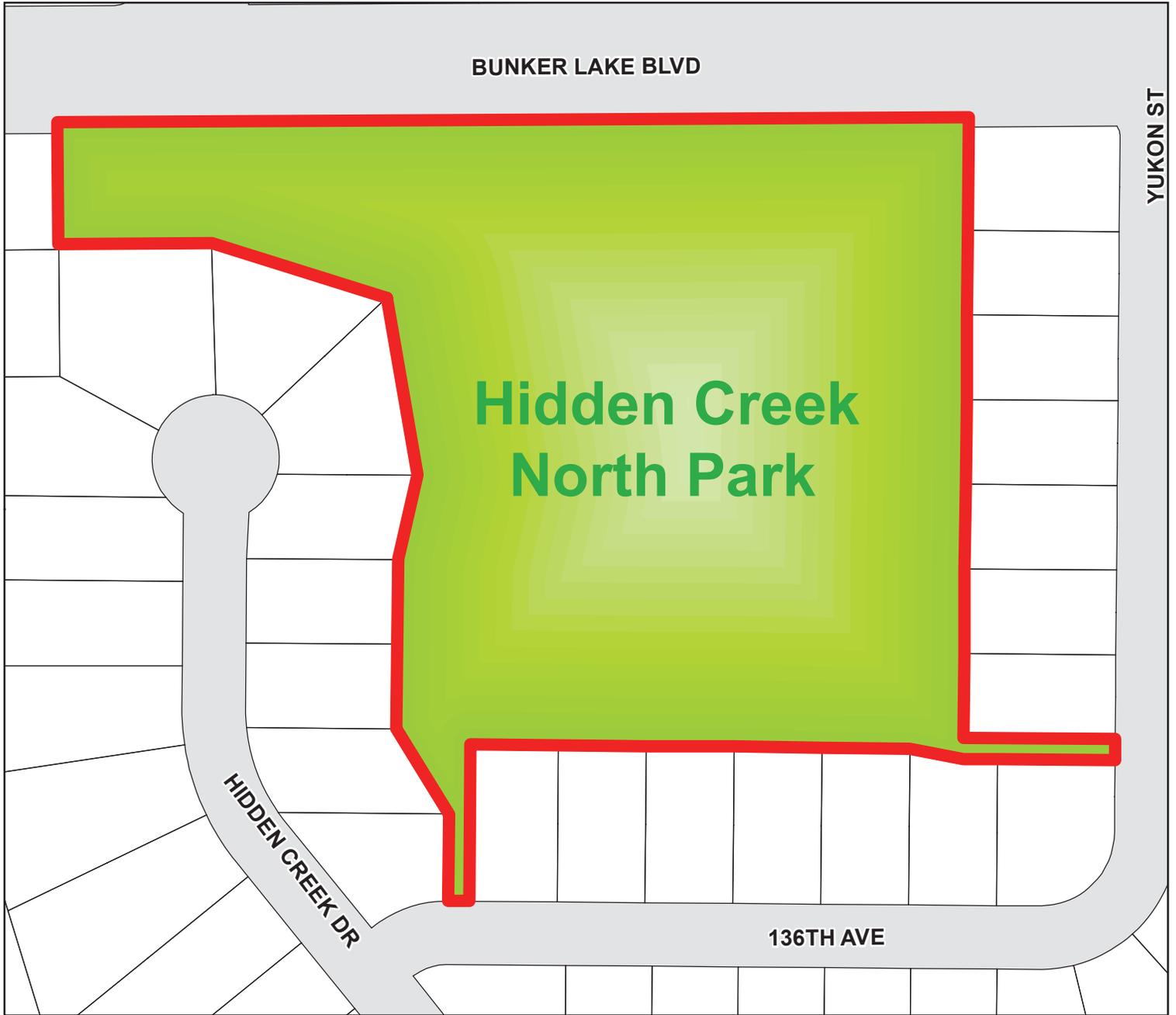


**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

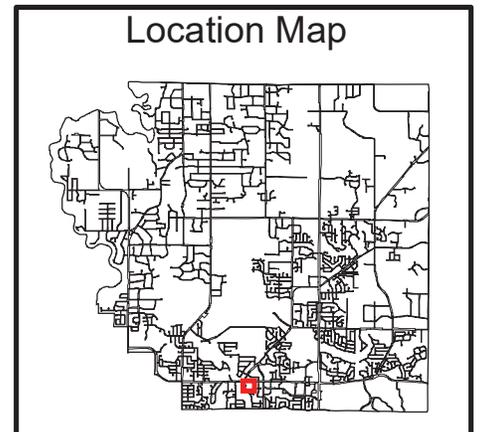
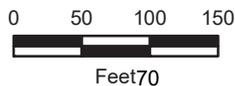
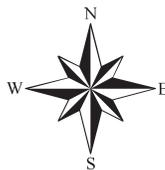


Project Name: HIDDEN CREEK NORTH PARK



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

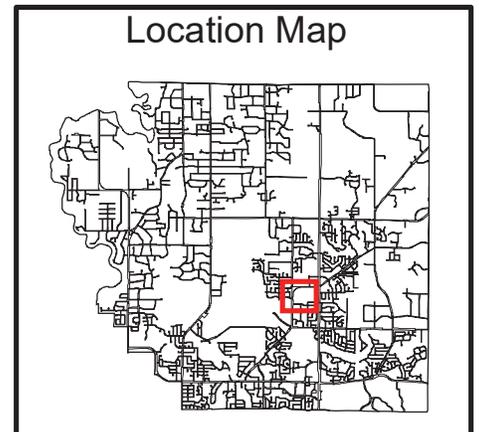
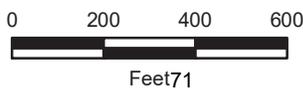
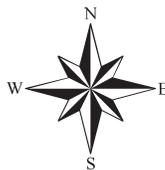


Project Name: SUNSHINE PARK

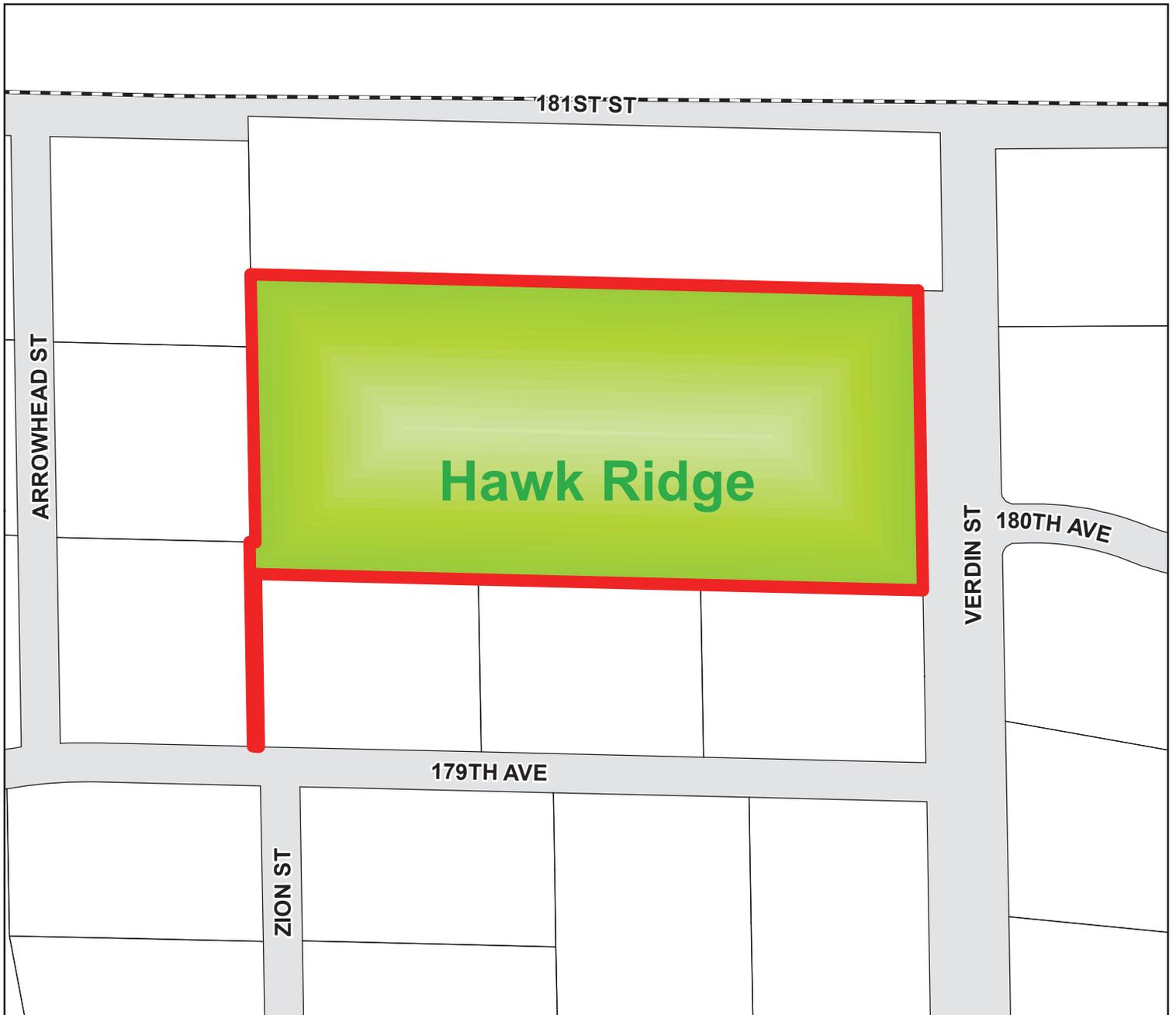


**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

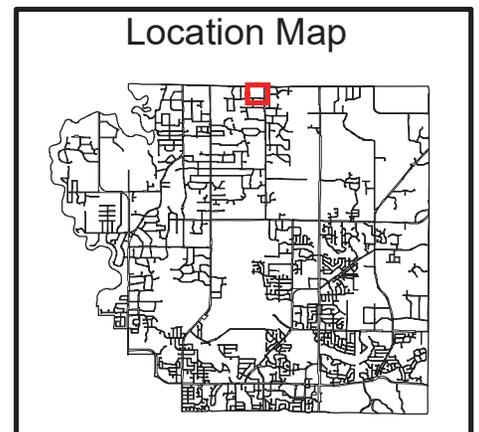
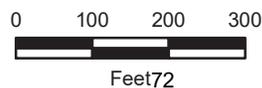
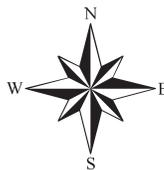


Project Name: HAWK RIDGE PARK



**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

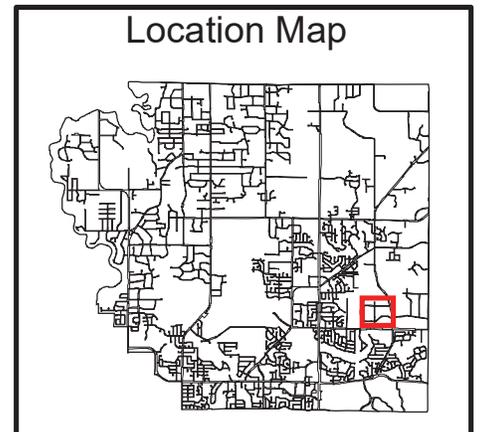
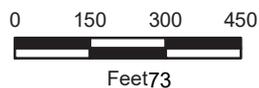
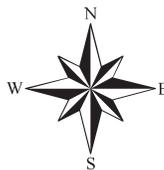


Project Name: PRAIRIE KNOLL PARK

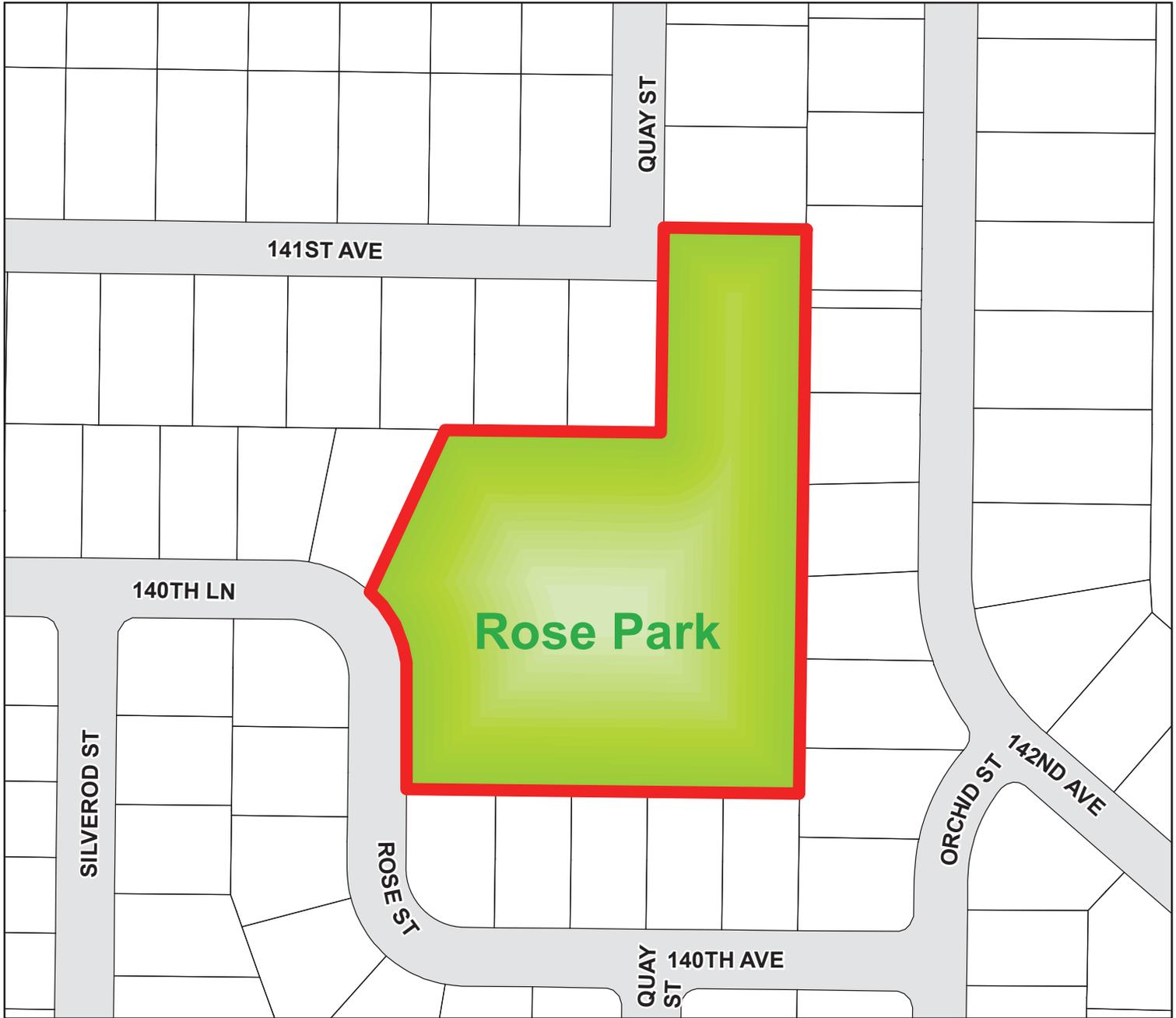


**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

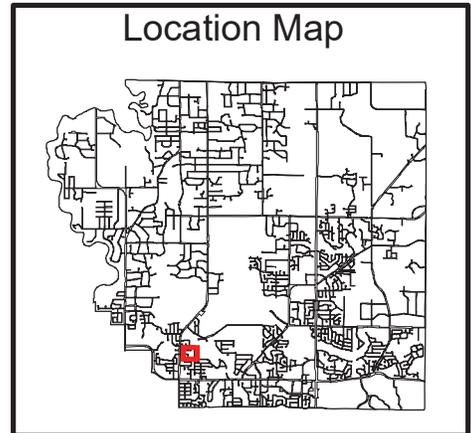
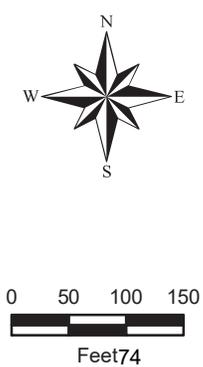


Project Name: ROSE PARK



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

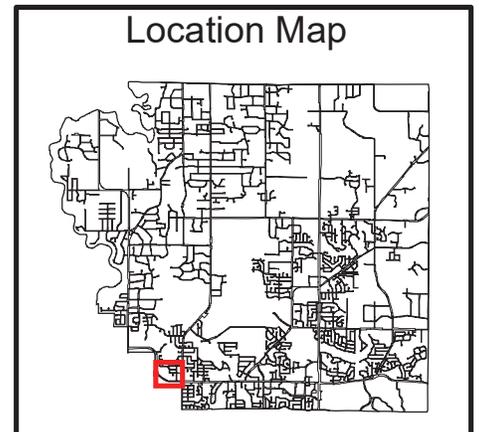
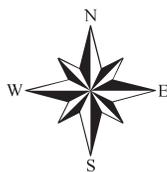


Project Name: WILD IRIS PARK



**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

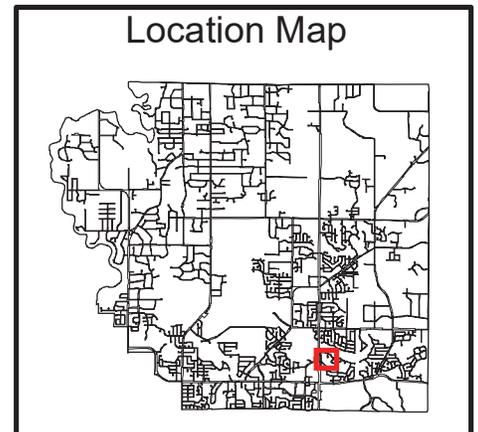
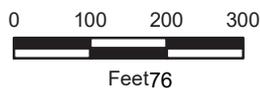
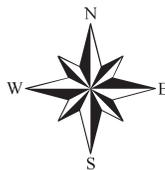


Project Name: HILLS OF BUNKER LAKE WEST PARK



**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

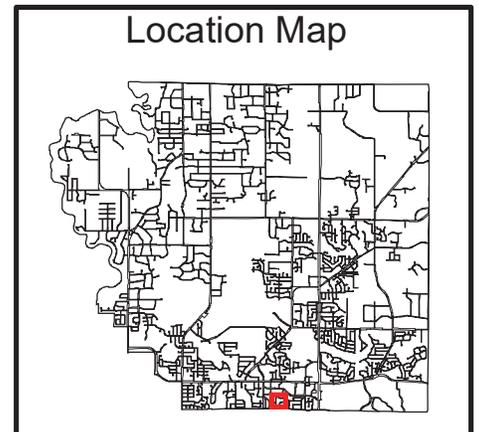
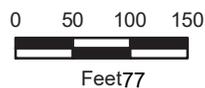
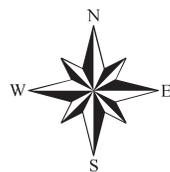


Project Name: HIDDEN CREEK EAST PARK

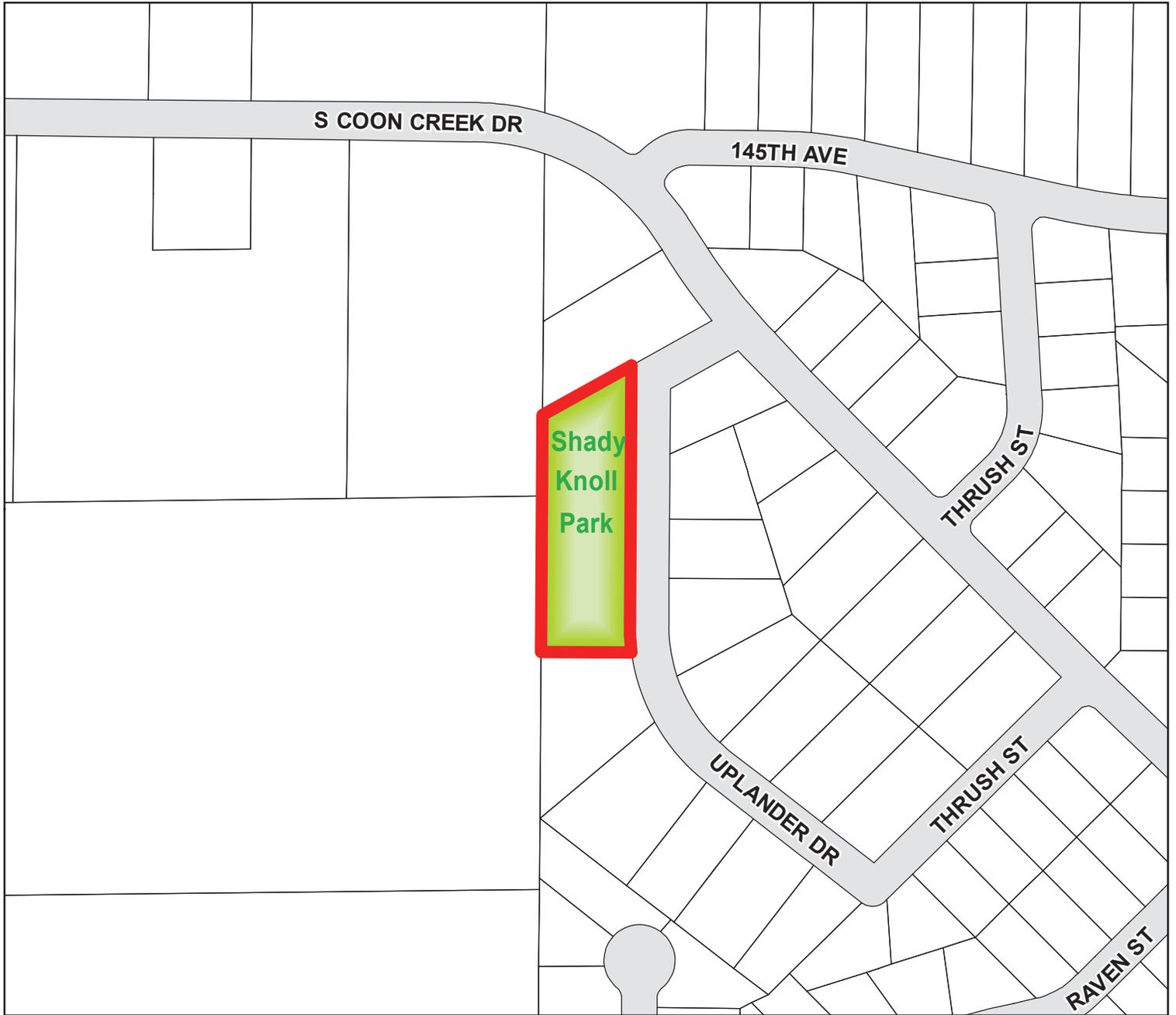


### LEGEND

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

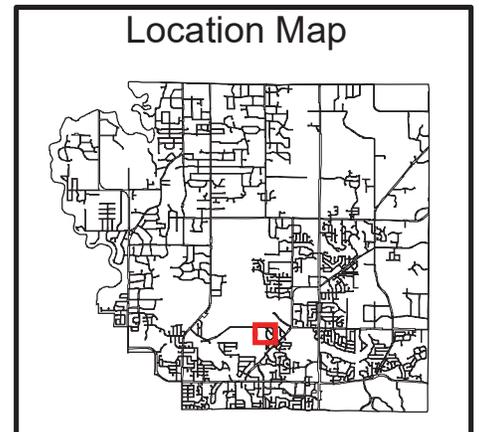
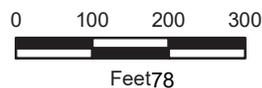
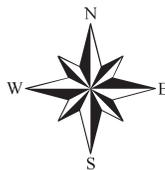


Project Name: SHADY KNOLL PARK



**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits





# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>20-45001-01</b>
<b>Project Name</b>	<b>Annual Miscellaneous Park Projects</b>

<b>Type</b>	Improvement	<b>Department</b>	Park & Rec - Projects
<b>Useful Life</b>	Unassigned	<b>Contact</b>	Asst.Public Works Director
<b>Category</b>	Park Improvements/Grant	<b>Priority</b>	1 - High

### Description

This is for unforeseen or requested miscellaneous projects that may arise during the year, requested by the public, staff, City Council or the Park and Recreation Commission each year.

### Justification

This gives flexibility to the City to do certain small-sized projects that may be warranted; for example, purchase soccer goals.  
 This funding has been recommended by the Park and Recreation Commission.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	15,000	15,000	15,000	15,000	15,000	75,000
<b>Total</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>75,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Park Dedication Funds	15,000	15,000	15,000	15,000	15,000	75,000
<b>Total</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>75,000</b>

### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-45001-02  
**Project Name** Andover Station North East Ball Field Lighting



**Type** Improvement                      **Department** Park & Rec - Projects  
**Useful Life** 15 Years                      **Contact** Asst.Public Works Director  
**Category** Park Improvements                      **Priority** 1 - High

### Description

Lighting the ball field will allow the baseball association to play additional games during evening hours during summer months. The baseball and football association would also use the lights during the fall since the daylight hours are much shorter.

### Justification

With the continued growth of the baseball association and the lack of park property to build additional fields, it is recommended to light the east field. The lighting the field does not increase the required maintenance for the field.

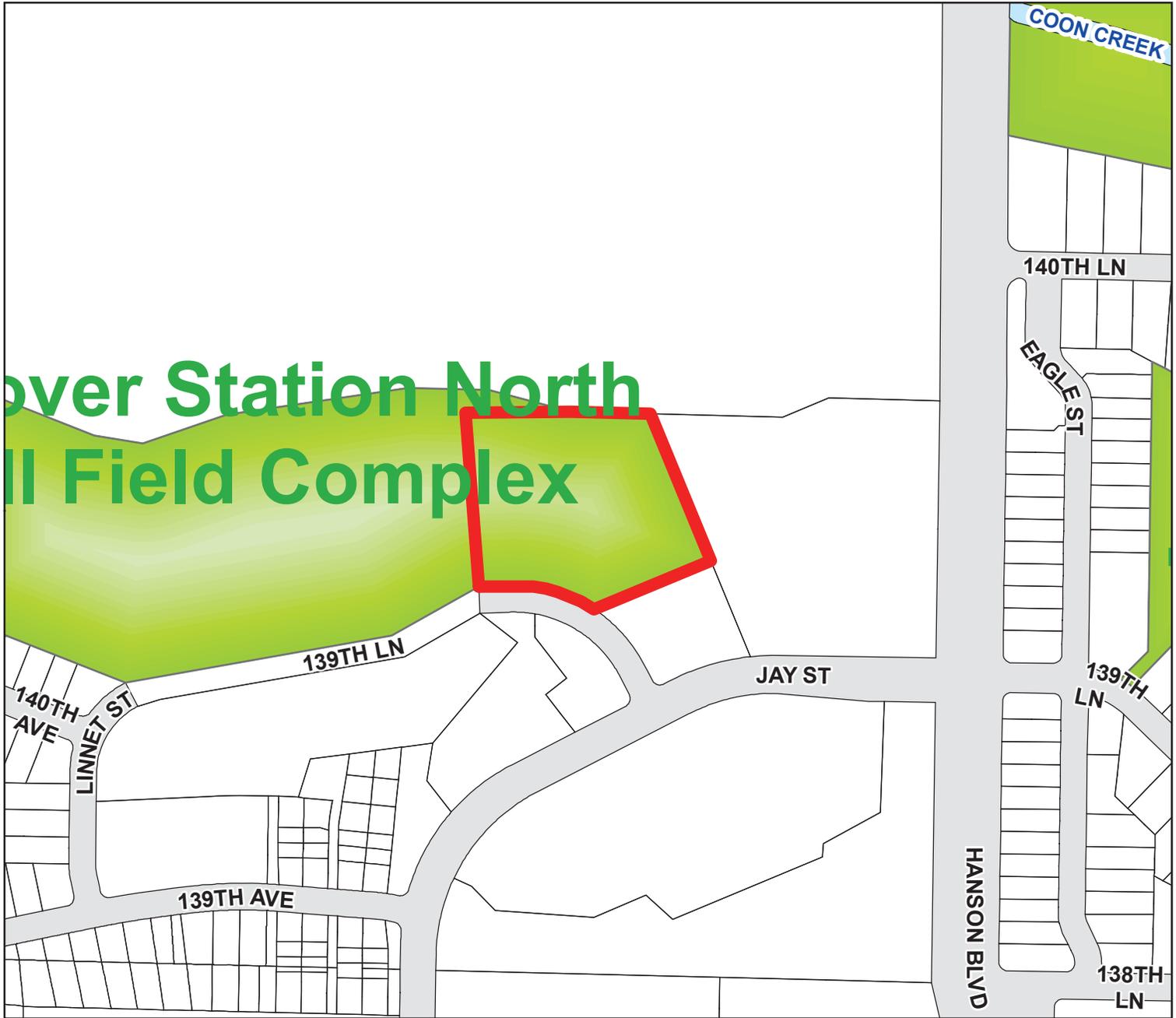
<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	180,000					180,000
<b>Total</b>	<b>180,000</b>					<b>180,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Donations	90,000					90,000
Park Dedication Funds	90,000					90,000
<b>Total</b>	<b>180,000</b>					<b>180,000</b>

### Budget Impact/Other

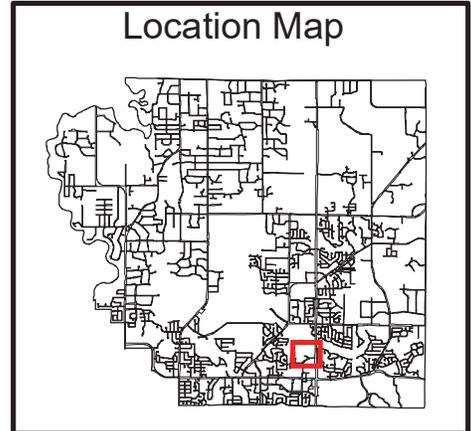
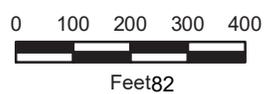
Additional electrical and maintenance costs.

Project Name: ANDOVER STATION NORTH PARK

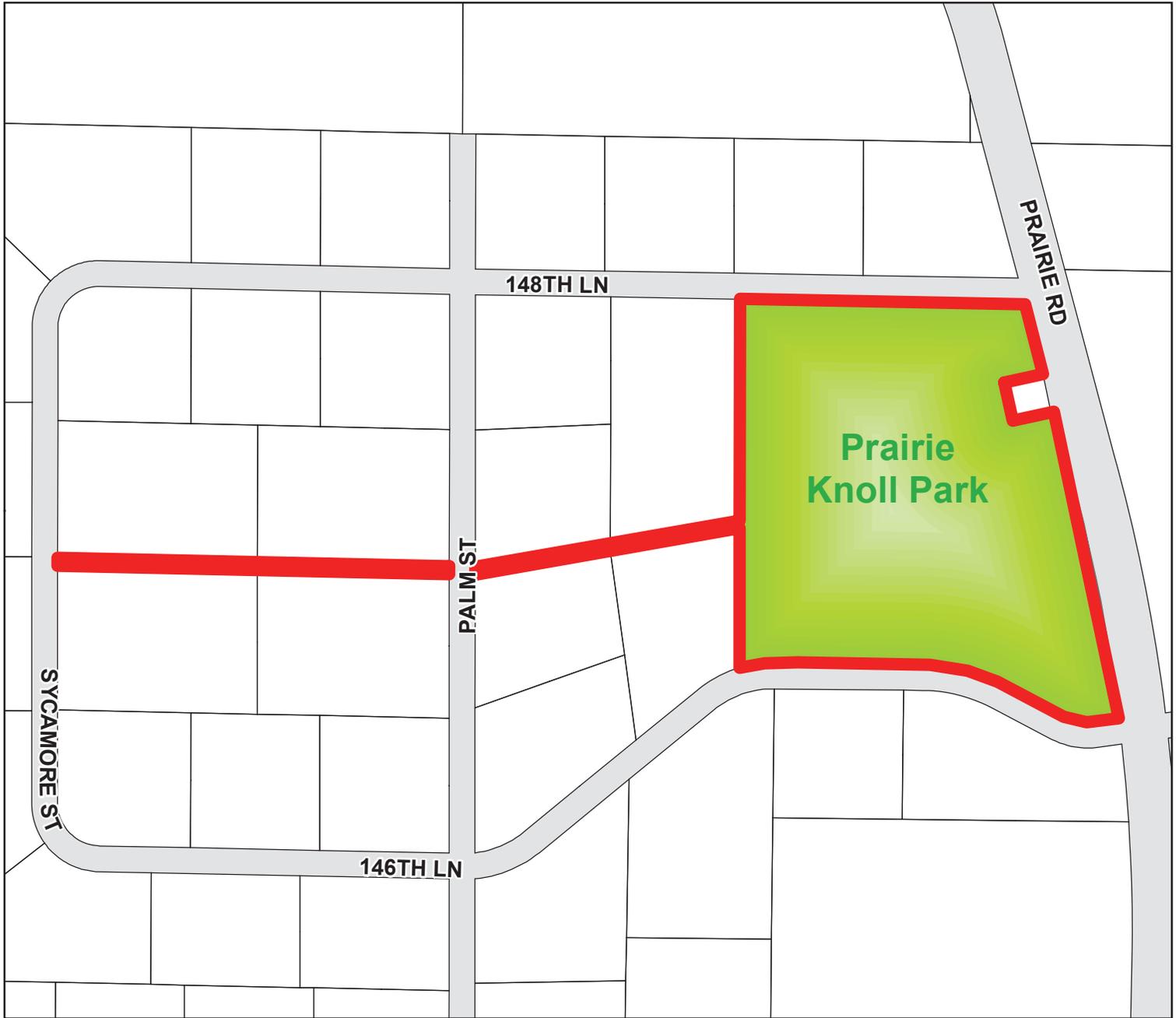


**LEGEND**

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits

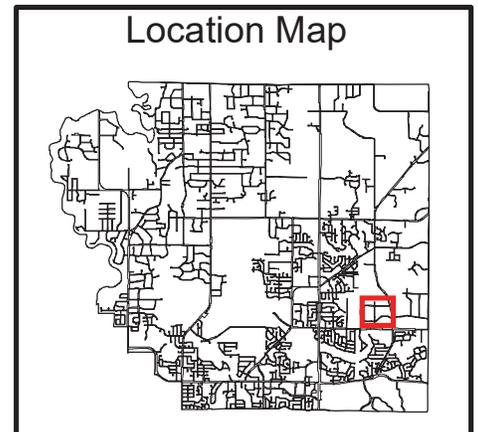
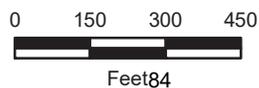
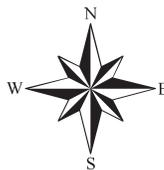






**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 23-45001-01  
**Project Name** Dalske Preserve Boardwalk



**Type** Improvement  
**Useful Life** 15 Years  
**Category** Improvements  
**Department** Park & Rec - Projects  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

A boardwalk is required on the Dalske Preserve property to provide access across Ditch 21 to the south side of the open space property.

### Justification

Without the boardwalk ditch crossing, there is no access to the south part of Dalske Preserve.

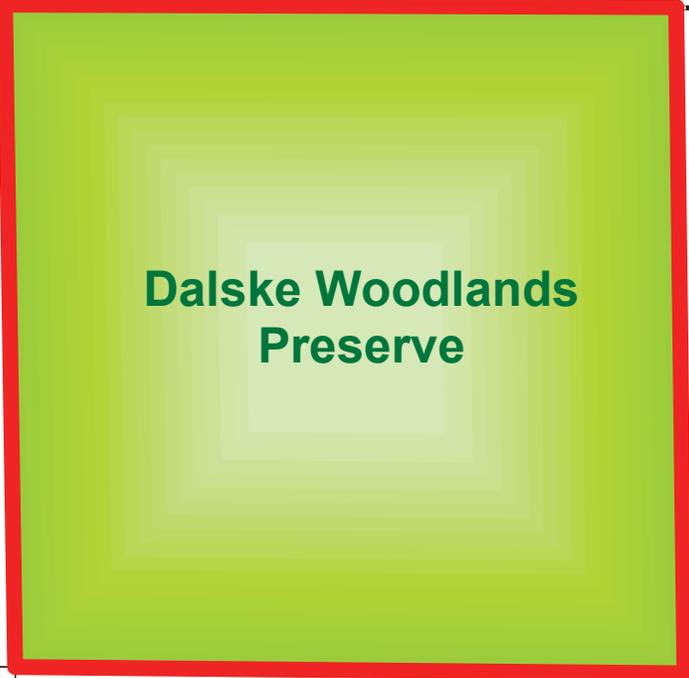
Expenditures	2020	2021	2022	2023	2024	Total
Improvement				110,000		110,000
<b>Total</b>				<b>110,000</b>		<b>110,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Equipment Reserve				110,000		110,000
<b>Total</b>				<b>110,000</b>		<b>110,000</b>

### Budget Impact/Other

Ongoing boardwalk and replacement costs.

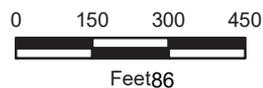
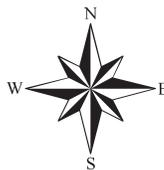
Project Name: DALSKE WOODLANDS PRESERVE



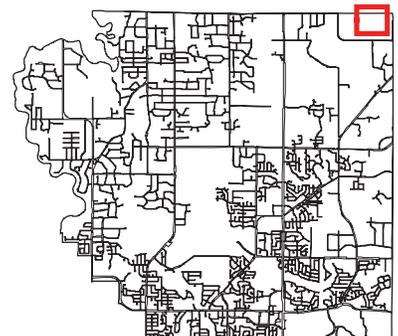
Dalske Woodlands Preserve

## LEGEND

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits



## Location Map



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>25-48200-01</b>
<b>Project Name</b>	<b>Rural Reserve Trunk Sanitary Sewer</b>

<b>Type</b> Improvement	<b>Department</b> Sanitary Sewer
<b>Useful Life</b> 50 Years	<b>Contact</b> DPW / City Engineer
<b>Category</b> Improvements	<b>Priority</b> 1 - High

### Description

Extension of trunk sanitary sewer from Bunker Lake Boulevard approximately parallel to Coon Creek to serve the Rural Reserve area. The sanitary sewer will be constructed through existing neighborhoods and along South Coon Creek Drive then north into the Rural Reserve Area. It is anticipated that the extension through the Rural Reserve may be constructed the following year, or as the market demands.

### Justification

The trunk sanitary sewer will be extended to serve future development of the Rural Reserve. The timing of this extension will be market driven based upon developer timelines for the Rural Reserve. The extension has been recommended in the Trunk Sanitary Sewer Analysis for Designated Rural Reserve Areas.

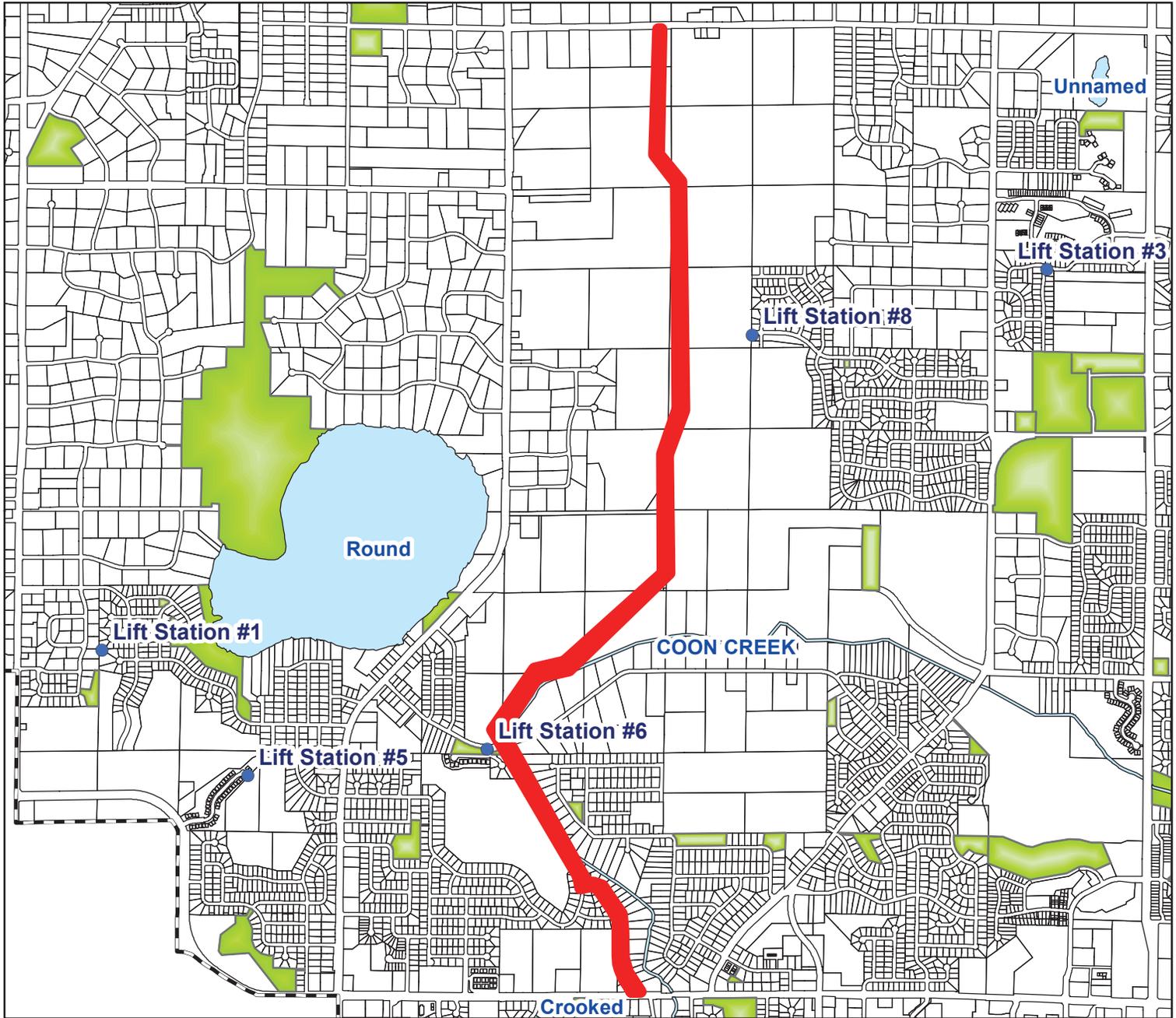
<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction					3,500,000	3,500,000
<b>Total</b>					<b>3,500,000</b>	<b>3,500,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments					1,250,000	1,250,000
Sewer Revenue Bonds					2,250,000	2,250,000
<b>Total</b>					<b>3,500,000</b>	<b>3,500,000</b>

### Budget Impact/Other

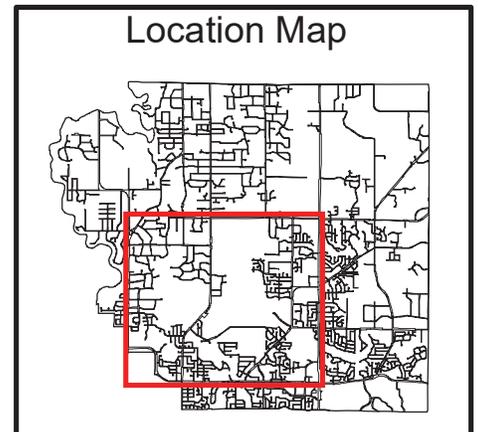
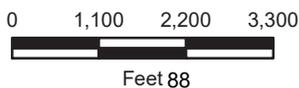
Additional routine maintenance including televising and cleaning will be required.

Project Name: SANITARY SEWER IMPROVEMENTS  
RURAL RESERVE



### LEGEND

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-48300-01  
**Project Name** Storm Sewer Improvements



**Type** Improvement  
**Useful Life** 30 Years +  
**Category** Improvements  
**Department** Storm Sewer  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Each year, areas of the City are identified where improvements are required to maintain our storm sewer system. Maintenance items include replacement of failing culverts, catch basins, and storm sewer pipes; erosion issues at storm sewer outfalls, and dredging of ponds and ditches.

### Justification

Maintaining the City's storm sewer system improves water quality and public safety, and reduces the need for costly repairs in the future. Repairing and maintaining these systems also allows public works to focus on and comply with requirements of the NPDES program, such as pipe cleaning, inspections, and sweeping.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	62,000	65,000	68,000	70,000	70,000	335,000
<b>Total</b>	<b>62,000</b>	<b>65,000</b>	<b>68,000</b>	<b>70,000</b>	<b>70,000</b>	<b>335,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Storm Sewer Fund	62,000	65,000	68,000	70,000	70,000	335,000
<b>Total</b>	<b>62,000</b>	<b>65,000</b>	<b>68,000</b>	<b>70,000</b>	<b>70,000</b>	<b>335,000</b>

### Budget Impact/Other

Repairing problem areas in the storm sewer system will reduce the yearly maintenance needs placed on the public works personnel.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-01  
**Project Name** Annual Street Seal Coat Project



**Type** Improvement  
**Useful Life** 8 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

This project provides for a seal coat of older streets. Each year the public works and engineering department will determine what areas of the City will be seal coated the following year. Factors for consideration will be age and condition of the pavement, time since the last seal coat, and plans for future reconstruction of the roadways. As of 2015, new streets are not being seal coated due to surface stripping.

### Justification

Seal coating will extend the useful life of roads by protecting the bituminous from oxidation due to adverse weather conditions (sun, rain, wind, snow, etc.). The prevention of oxidation will prolong the useful life of the pavement and defer the need for a costly reconstruction. Seal coating also improves the skid resistance of the roadway surface by increasing the friction between vehicle tires and the roadway. For roadways that are nearing the end of their useful life cycle, seal coating can help hold them together until the roadways are programmed for reconstruction.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction	200,000	210,000	220,000	230,000	240,000	1,100,000
<b>Total</b>	<b>200,000</b>	<b>210,000</b>	<b>220,000</b>	<b>230,000</b>	<b>240,000</b>	<b>1,100,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Road & Bridge Funds	200,000	210,000	220,000	230,000	240,000	1,100,000
<b>Total</b>	<b>200,000</b>	<b>210,000</b>	<b>220,000</b>	<b>230,000</b>	<b>240,000</b>	<b>1,100,000</b>

### Budget Impact/Other

Extending the life of the street will reduce routine maintenance (Crack sealing, pot hole patching, overlays, etc.) and extend the overall design life of the pavement. Seal coating will also help to hold deteriorating streets together until they can be scheduled for reconstruction.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-02  
**Project Name** Annual Street Crack Seal Project



**Type** Improvement  
**Useful Life** 8 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

This project provides for crack sealing of the streets. In general, each year one of the nine full zones in the City is crack sealed. Areas nearing reconstruction, those seal coated recently to hold together, or with severe cracking are excluded from this project as determined by the Engineering and Public Works Departments.

### Justification

The sealing of street cracks will significantly extend the useful life of the streets. This will extend the time frame when a costly street reconstruction project will be necessary. The sealing of cracks in the street surface reduces/eliminates water from entering the road base and subgrade. This process reduces the freeze/thaw cycles of the subgrade, maintaining the integrity of the road. Crack sealing is generally completed in one zone per year and in new developments and reconstructed areas two to three years after they are paved.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction	170,000	180,000	190,000	200,000	210,000	950,000
<b>Total</b>	<b>170,000</b>	<b>180,000</b>	<b>190,000</b>	<b>200,000</b>	<b>210,000</b>	<b>950,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction Seal Coat Fund	10,000	10,000	10,000	10,000	10,000	50,000
Road & Bridge Funds	160,000	170,000	180,000	190,000	200,000	900,000
<b>Total</b>	<b>170,000</b>	<b>180,000</b>	<b>190,000</b>	<b>200,000</b>	<b>210,000</b>	<b>950,000</b>

### Budget Impact/Other

Sealing the street cracks will reduce routine maintenance by eliminating a major source of street degradation resulting from moisture in the subgrade.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-03  
**Project Name** Annual Pavement Markings



**Type** Improvement  
**Useful Life** 1-2 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

The pavement striping for City streets is conducted one time per year. This includes centerline striping and shoulder striping. Striping enhances the safety of the roadway by directing traffic to the correct lane movement.

The Federal Highway Administration is currently reviewing reflective standards for pavement markings. In the near future, the City may have to stripe twice per year to meet new standards. If this is approved, it will double the cost of pavement markings per year.

### Justification

Striping is required through the local and state agencies. A reflective standard is required. Restriping annually maintains the pavement markings to the required standards.

Expenditures	2020	2021	2022	2023	2024	Total
Improvement	60,000	62,000	65,000	68,000	72,000	327,000
<b>Total</b>	<b>60,000</b>	<b>62,000</b>	<b>65,000</b>	<b>68,000</b>	<b>72,000</b>	<b>327,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Road & Bridge Funds	60,000	62,000	65,000	68,000	72,000	327,000
<b>Total</b>	<b>60,000</b>	<b>62,000</b>	<b>65,000</b>	<b>68,000</b>	<b>72,000</b>	<b>327,000</b>

### Budget Impact/Other

The long-line pavement markings are contracted out each year because the City does not have the equipment to do this work. Crosswalks and stop bars are completed by Public Works staff.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-04  
**Project Name** Annual Curb Replacement



**Type** Improvement  
**Useful Life** 30 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Damaged and failing concrete curb and gutter throughout the City needs to be repaired or replaced to help maintain the integrity of the roadway system. Replacing damaged or failing sections of curb and gutter helps with drainage of the roadway and prolongs the life of the street system.

### Justification

The majority of the concrete curb and gutter throughout the City is in relatively good condition. However, there are isolated areas that need rehabilitation every year. The failing or damaged sections of concrete curb and gutter are removed and replaced. Replacing damaged sections of concrete curb and gutter maintains the integrity of and prolongs the life of the City's street infrastructure.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	56,000	58,000	60,000	62,000	65,000	301,000
<b>Total</b>	<b>56,000</b>	<b>58,000</b>	<b>60,000</b>	<b>62,000</b>	<b>65,000</b>	<b>301,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Road & Bridge Funds	56,000	58,000	60,000	62,000	65,000	301,000
<b>Total</b>	<b>56,000</b>	<b>58,000</b>	<b>60,000</b>	<b>62,000</b>	<b>65,000</b>	<b>301,000</b>

### Budget Impact/Other

Repairing failing or damaged sections of curb and gutter reduces the routine maintenance required by the Public Works department.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-05  
**Project Name** Municipal State Aid Routes / New & Reconstruct

**Type** Improvement  
**Useful Life** 20 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

The following projects are proposed to be constructed and/or rehabilitated to meet State Aid Standards.

2020: Jay Street Overlay (Station Parkway to Hanson Blvd) \$580,000  
 2022: Prairie Road Overlay (Andover Blvd to Bunker Lake Blvd) \$510,000  
 2022: Tulip Street / 161st Avenue Recon (Round Lake Blvd to CR 20) & North portion of Tulip Street south of Valley Drive \$1,400,000.  
 2024: Crooked Lake Boulevard Recon (Bunker to 133rd) \$630,000

### Justification

Upgrades to existing roadways are needed to maintain the integrity of the City's State Aid roadway infrastructure. New Municipal State Aid routes are necessary to provide access to current and future developments.

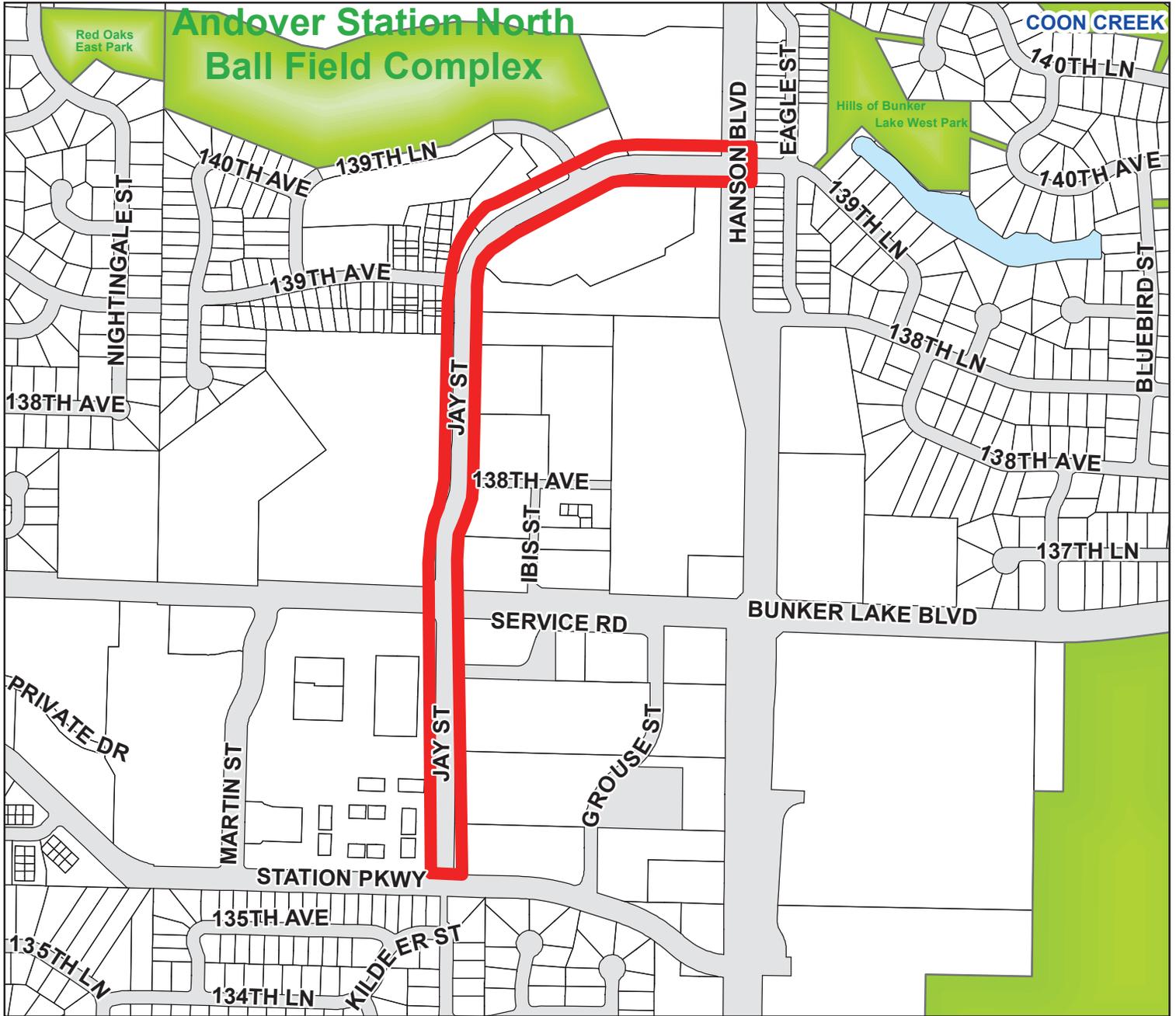
Expenditures	2020	2021	2022	2023	2024	Total
Construction	580,000		510,000	1,400,000	630,000	3,120,000
<b>Total</b>	<b>580,000</b>		<b>510,000</b>	<b>1,400,000</b>	<b>630,000</b>	<b>3,120,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments	25,000		17,500	187,500	103,500	333,500
Municipal State Aid Funds	555,000		492,500	1,212,500	526,500	2,786,500
<b>Total</b>	<b>580,000</b>		<b>510,000</b>	<b>1,400,000</b>	<b>630,000</b>	<b>3,120,000</b>

### Budget Impact/Other

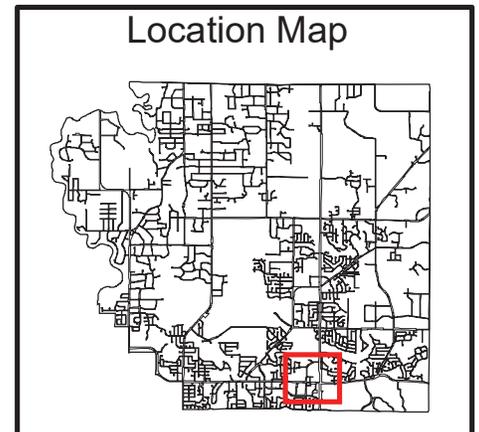
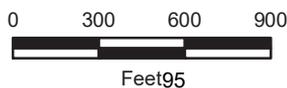
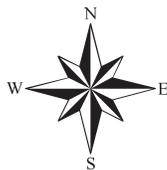
Rehabilitating the roads will reduce the amount of routine maintenance along these sections of roadway and provide a safer and higher quality transportation system.

Project Name: STATE AID ROUTES OVERLAY  
 JAY STREET (HANSON BLVD TO BUNKER LAKE BLVD)



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

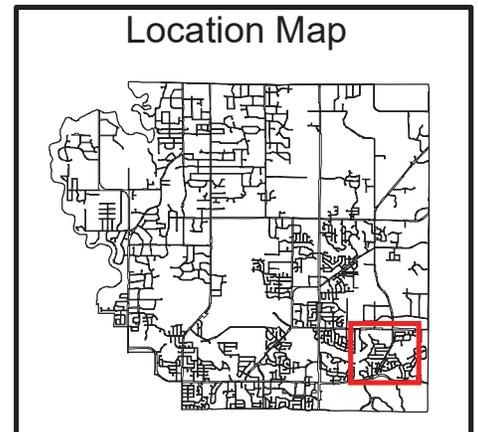
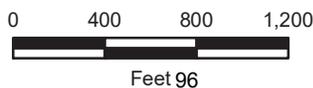
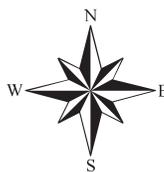


Project Name: STATE AID ROUTES OVERLAY  
 PRAIRIE ROAD (ANDOVER BLVD TO BUNKER LAKE BLVD)

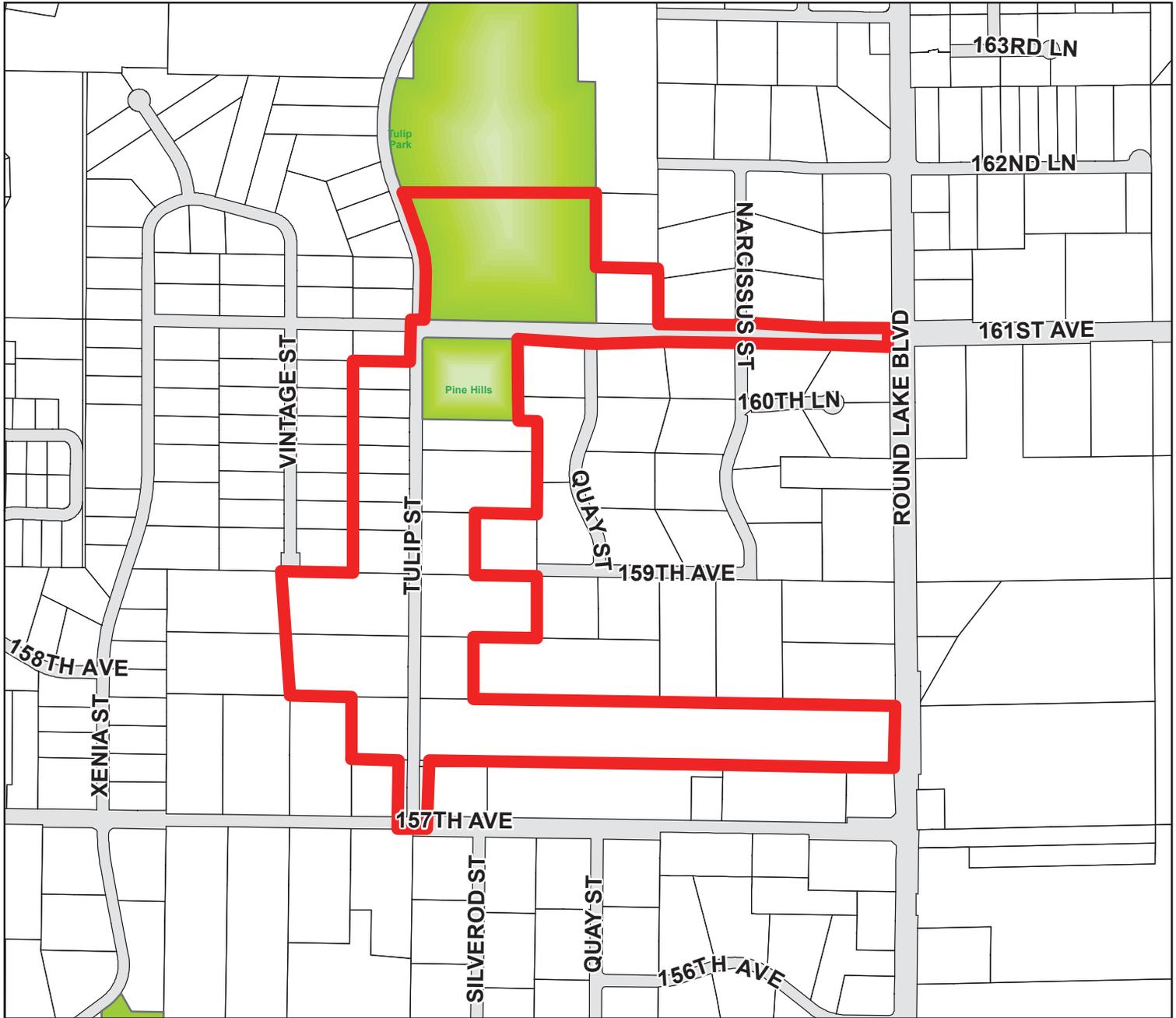


### LEGEND

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

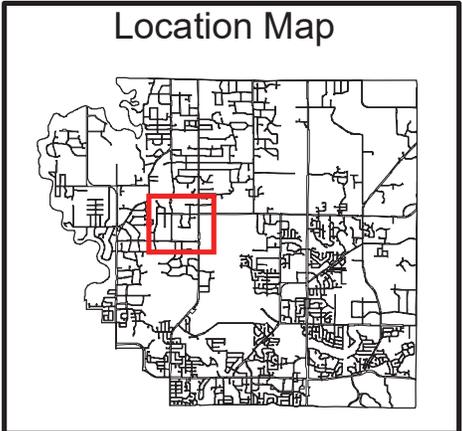
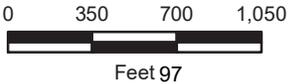


Project Name: STATE AID ROUTES RECONSTRUCTION  
TULIP STREET / 161ST AVE



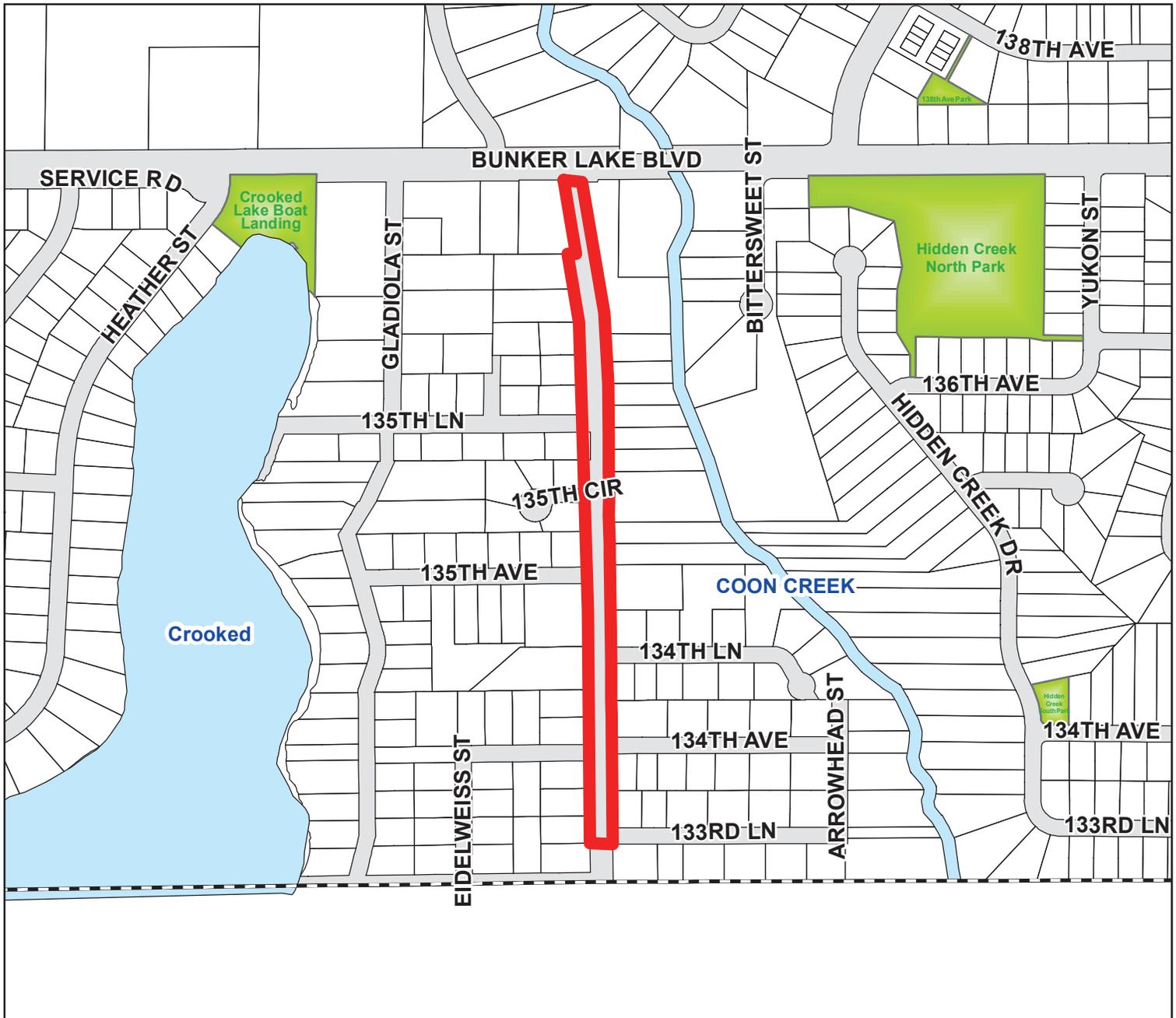
**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



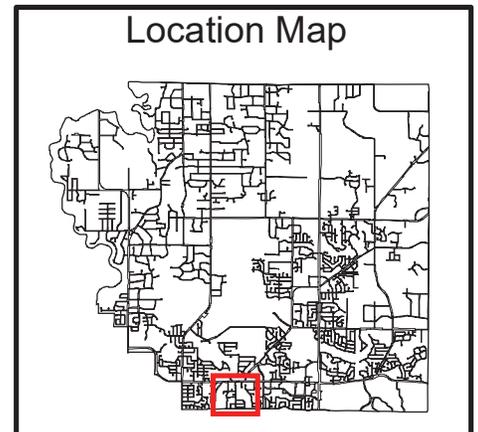
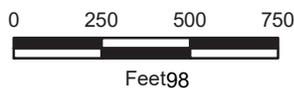
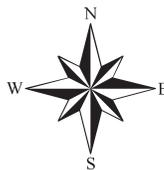
Project Name: STATE AID ROUTES OVERLAY

CROOKED LAKE BLVD OVERLAY (133RD AVE TO BUNKER LAKE BLVD)



### LEGEND

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-06  
**Project Name** Annual Street Reconstruction



**Type** Improvement  
**Useful Life** 20 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

The Street Reconstruction projects will consist of milling the existing street surface and constructing a new asphalt surface. Minor shouldering and restoration work will be included with the project. In developments that have existing bituminous curb or no curb or ditch, concrete curb and gutter will be constructed. 25% of the total project costs are assessed to the benefiting properties in each development. This program helps to maintain the integrity and value of the community's street infrastructure.

Areas to be reconstructed are listed below. The timing of reconstruction of developments more than two years out may be revised as street conditions and ratings are reviewed on an annual basis. Additional developments may be added to the schedule or projects moved up if it is advantageous to reconstruct them in conjunction with other nearby projects.

- 2020 - Alladin Acres, Enchanted Drive Area
- 2021 - Indian Meadows 2nd Addition, Lunds Round Lake Estates, Andover West
- 2022 - Timber River Estates
- 2023 - Dehns 1st & 2nd Addition, 7th Ave Frontage Road,
- 2024 - Xenia Street / Vintage Street

### Justification

The streets in these neighborhoods are generally in excess of 25 years old and are in need of rehabilitation. The intent of this program is to provide the community with a high quality transportation system and maintain a constant upkeep of the City's street infrastructure.

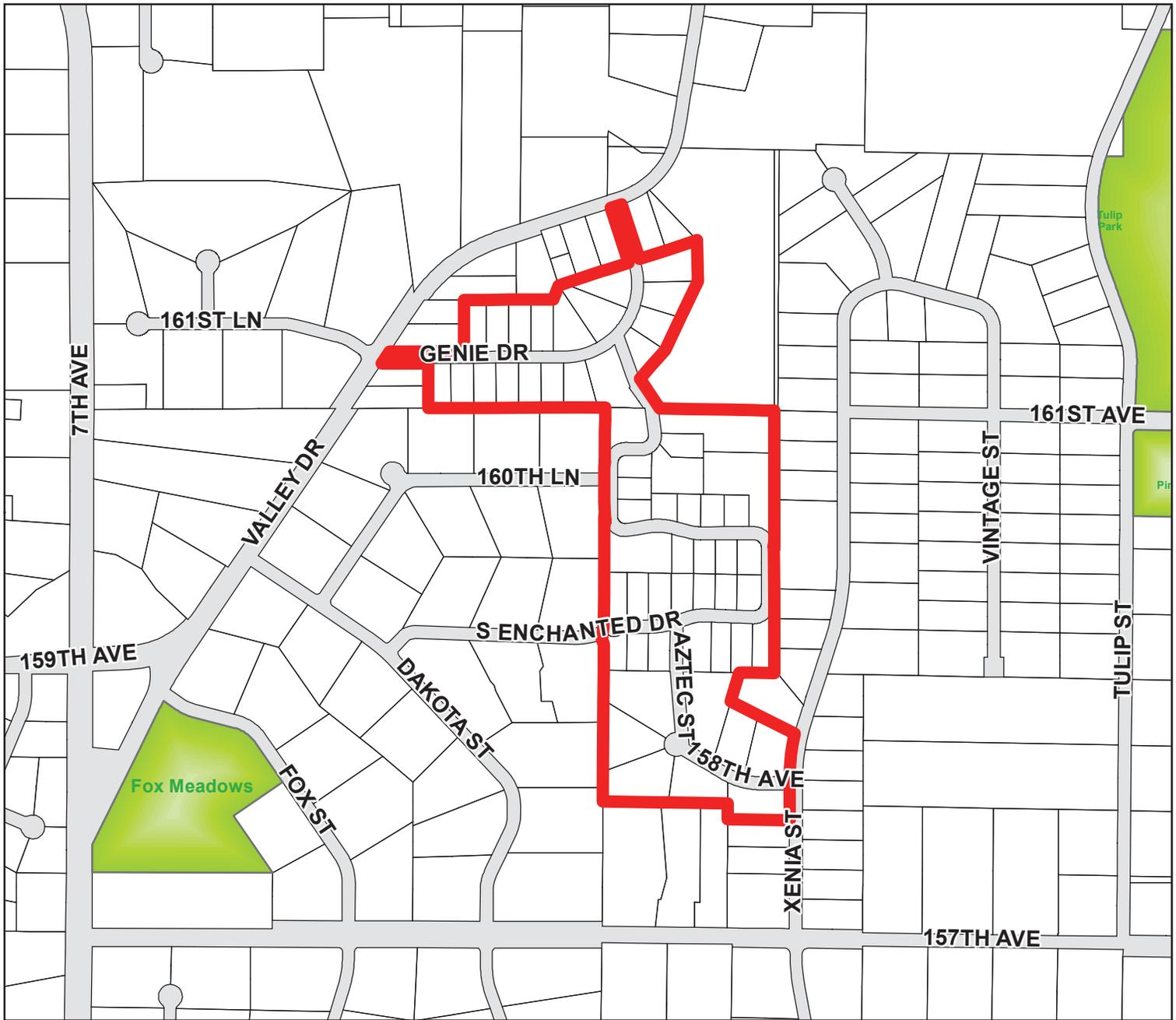
Expenditures	2020	2021	2022	2023	2024	Total
Construction	1,226,000	1,401,000	2,575,000	610,000	1,581,000	7,393,000
<b>Total</b>	<b>1,226,000</b>	<b>1,401,000</b>	<b>2,575,000</b>	<b>610,000</b>	<b>1,581,000</b>	<b>7,393,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments	307,000	351,000	644,000	153,000	396,000	1,851,000
Road & Bridge Funds	919,000	1,050,000	1,931,000	457,000	1,185,000	5,542,000
<b>Total</b>	<b>1,226,000</b>	<b>1,401,000</b>	<b>2,575,000</b>	<b>610,000</b>	<b>1,581,000</b>	<b>7,393,000</b>

### Budget Impact/Other

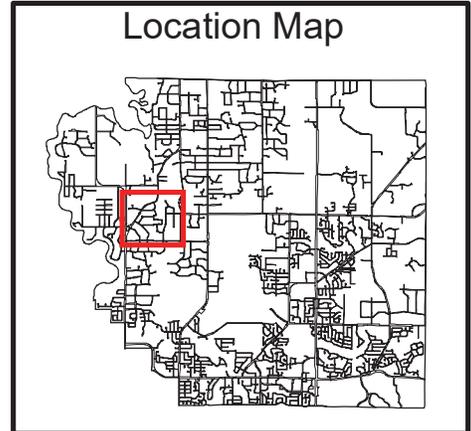
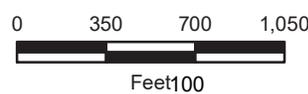
The rehabilitation of the streets will reduce the routine maintenance (crack sealing, pot hole patching, etc..) in the area. Long term, this reconditioning will prolong the structural stability of the roadway making for a longer serviceable life.

Project Name: ANNUAL STREET RECONSTRUCTION  
ALLADIN ACRES & ENCHANTED DRIVE AREA

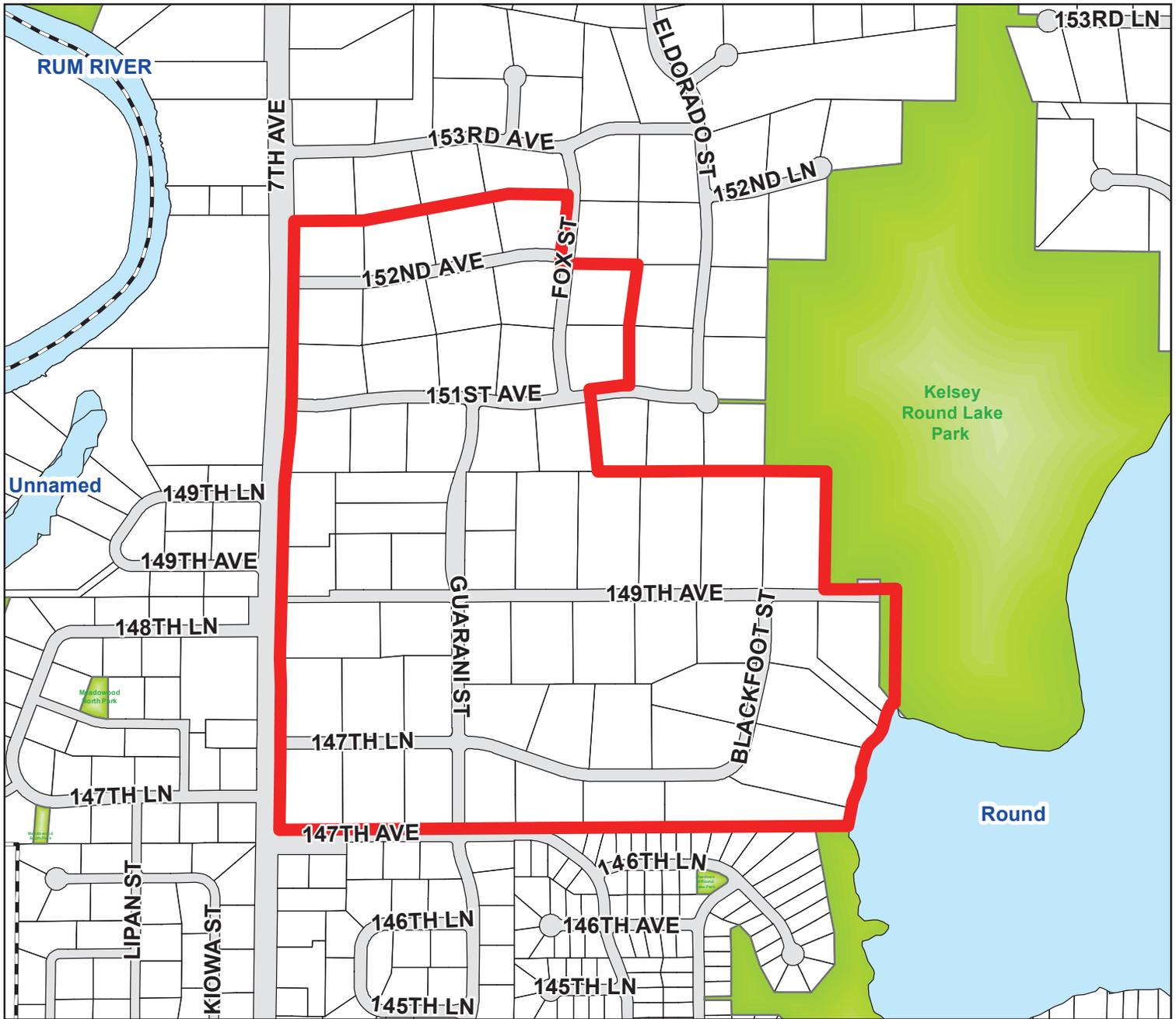


### LEGEND

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

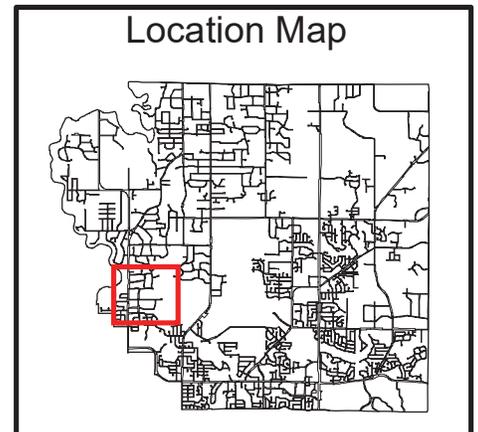
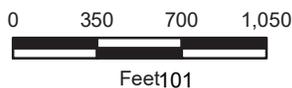
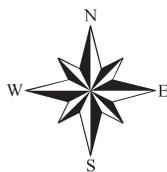


Project Name: ANNUAL STREET RECONSTRUCTION  
 ANDOVER WEST, LUND'S ROUND LAKE ESTATES & INDIAN MEADOWS 2ND ADDITION

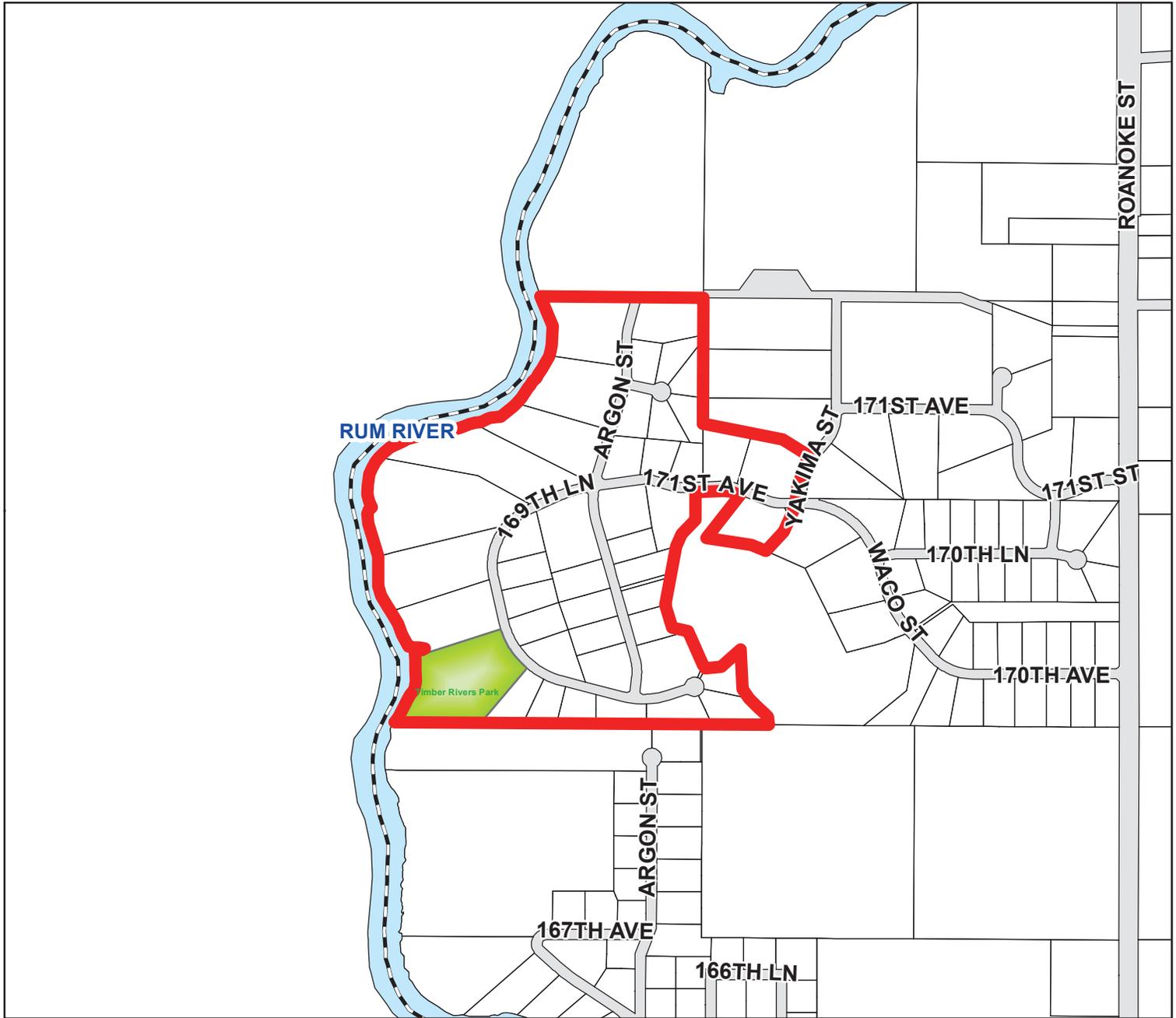


**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

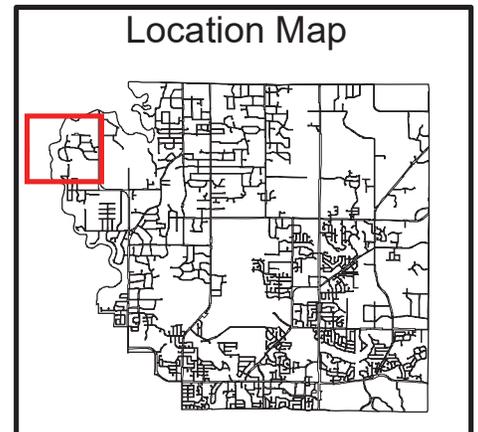
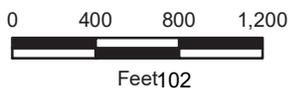
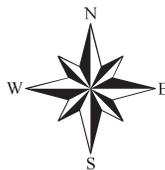


Project Name: ANNUAL STREET RECONSTRUCTION  
WEST 1/2 OF TIMBER RIVER E STATES



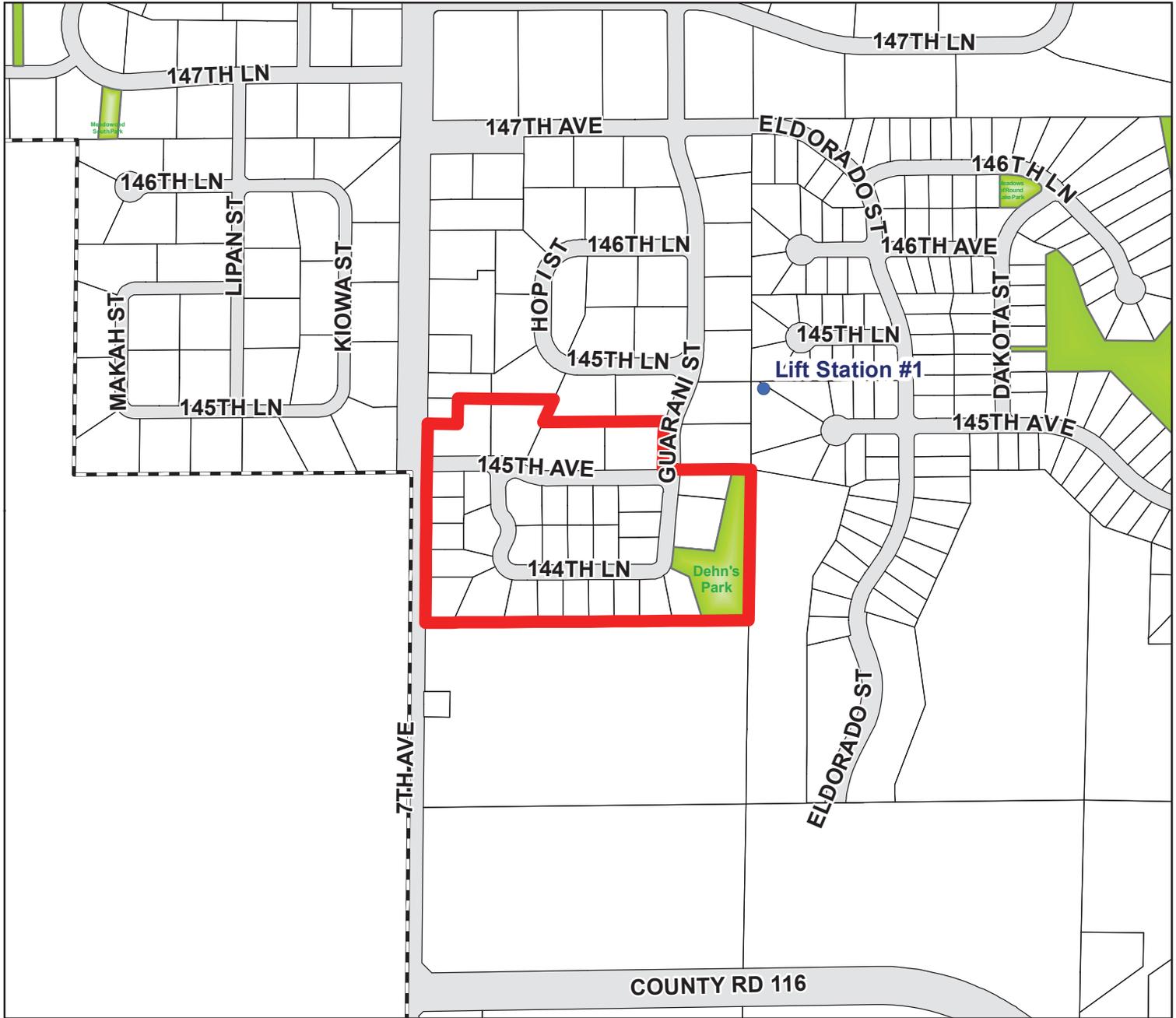
### LEGEND

-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits



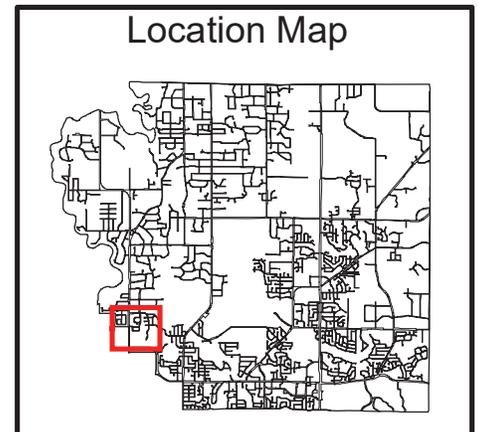
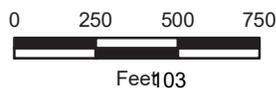
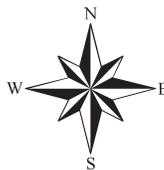
Project Name: ANNUAL STREET RECONSTRUCTION

DEHN'S 1ST AND 2ND ADDITION & 7TH AVE FRONTAGE ROAD



### LEGEND

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

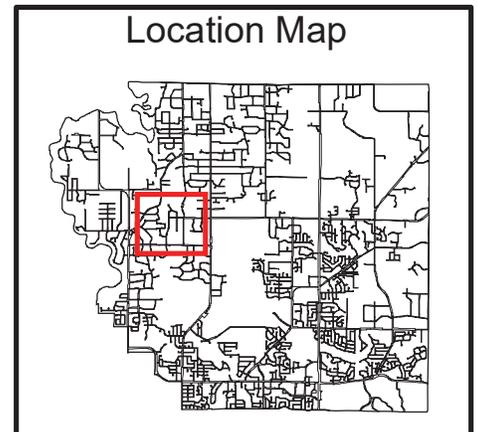
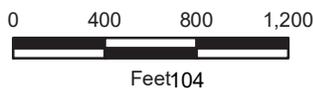
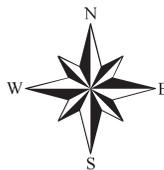


Project Name: ANNUAL STREET RECONSTRUCTION  
 XENIA STREET / VINTAGE STREET / 161ST AVE



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-07  
**Project Name** Intersection Upgrades

**Type** Improvement  
**Useful Life** 25 Years  
**Category** Improvements

**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

The following are projects that are tentatively identified for improvements. Exact timing is subject to change.

2021 - Construction of a traffic signal at South Coon Creek Drive and Round Lake Blvd (\$285,000) if warrants are met.

2022 - Crosstown Blvd / Crosstown Drive Intersection. Improvements could include separating the southbound right turning movement onto Crosstown Drive to improve safety (\$300,000).

2023 - Nightingale Street / Crosstown Blvd Intersection (\$1,800,000). The City will apply for potential grant opportunities as they arise.

### Justification

Intersection upgrades are necessary due to the increased development and demands on the transportation system, the need for safety improvements, and to comply with Anoka County Highway Department requirements.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction		285,000	300,000	1,800,000		2,385,000
<b>Total</b>		<b>285,000</b>	<b>300,000</b>	<b>1,800,000</b>		<b>2,385,000</b>

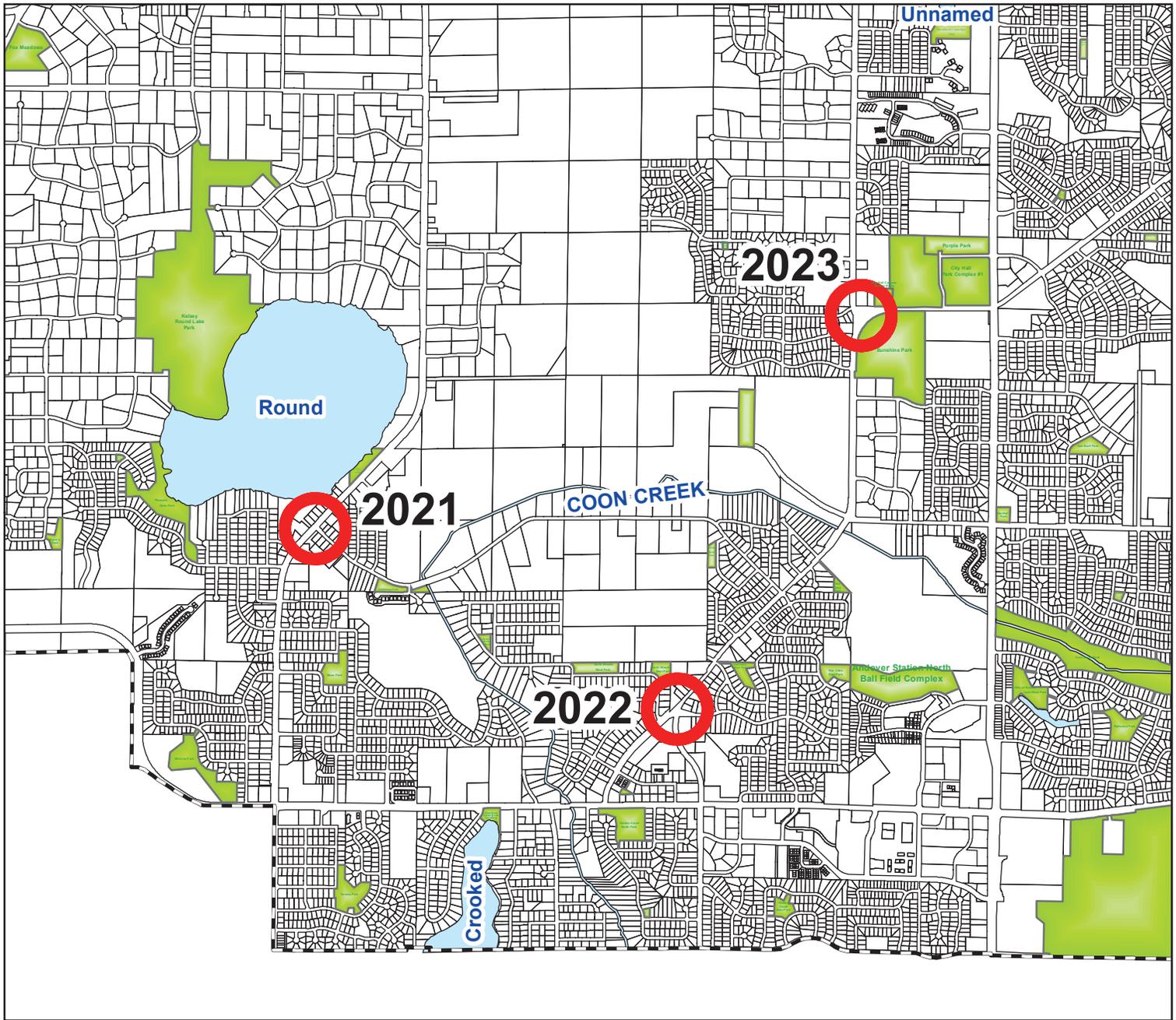
<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Grant				900,000		900,000
Municipal State Aid Funds		285,000	300,000	900,000		1,485,000
<b>Total</b>		<b>285,000</b>	<b>300,000</b>	<b>1,800,000</b>		<b>2,385,000</b>

### Budget Impact/Other

Improvements will improve the flow of traffic and will improve the safety of vehicles, pedestrians and bicyclists.

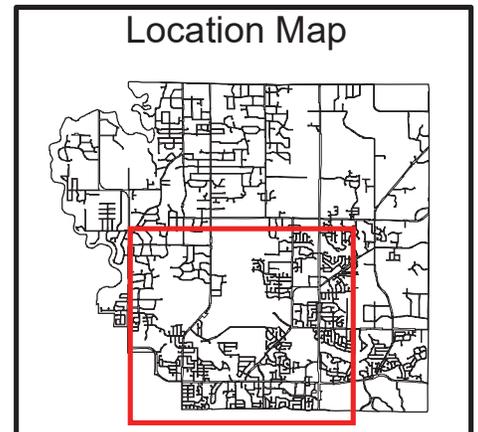
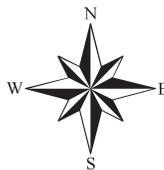
# Capital Improvement Plan

Project Name: INTERSECTION UPGRADES



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-08  
**Project Name** Gravel Road Improvements

**Type** Improvement  
**Useful Life** 5 years  
**Category** Improvements

**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

Gravel roadways within the City are in need of annual improvements, including grading, adding material, and dust control. Over time and with snow plowing operations, the gravel roadway settles and additional material is needed to maintain the traveling surface.

### Justification

Ongoing improvements are needed to maintain the integrity of the gravel roadways. Between 3/4 to 1 mile of gravel road will be improved per year by adding 2 to 3 inches of class 5 aggregate.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	21,000	21,000	22,000	23,000	24,000	111,000
<b>Total</b>	<b>21,000</b>	<b>21,000</b>	<b>22,000</b>	<b>23,000</b>	<b>24,000</b>	<b>111,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Road & Bridge Funds	21,000	21,000	22,000	23,000	24,000	111,000
<b>Total</b>	<b>21,000</b>	<b>21,000</b>	<b>22,000</b>	<b>23,000</b>	<b>24,000</b>	<b>111,000</b>

### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-11  
**Project Name** Street Overlays



**Type** Improvement  
**Useful Life** 20 Years  
**Category** Improvements  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

The City of Andover has implemented a street overlay program to prolong the life of the City's roadway infrastructure. This program will include an overlay of approximately 1.5" of bituminous on roadways that are identified as still structurally sound, or have issues with wear course striping where a mill and overlay would significantly extend the roadways life cycle. The Engineering Department and Public Works will identify roads that meet these criteria one year prior to the overlay project being constructed.

2020 - Woodland Estates (\$730,000)  
 2020 - Martin Street (Station Parkway to Bunker Lake Blvd) (\$190,000)  
 2021-2024 Streets to be determined annually based on road condition.

### Justification

When streets are designed, it is assumed that about 20 years into their life cycle an overlay is constructed to extend the useful life of the pavement. It is crucial that only roads that do not have major distresses are overlaid, as significant distresses will reflect through an overlay and it's effects would not be long lasting. An overlay on a structurally sound road can prolong it's useful life by 15 plus years.

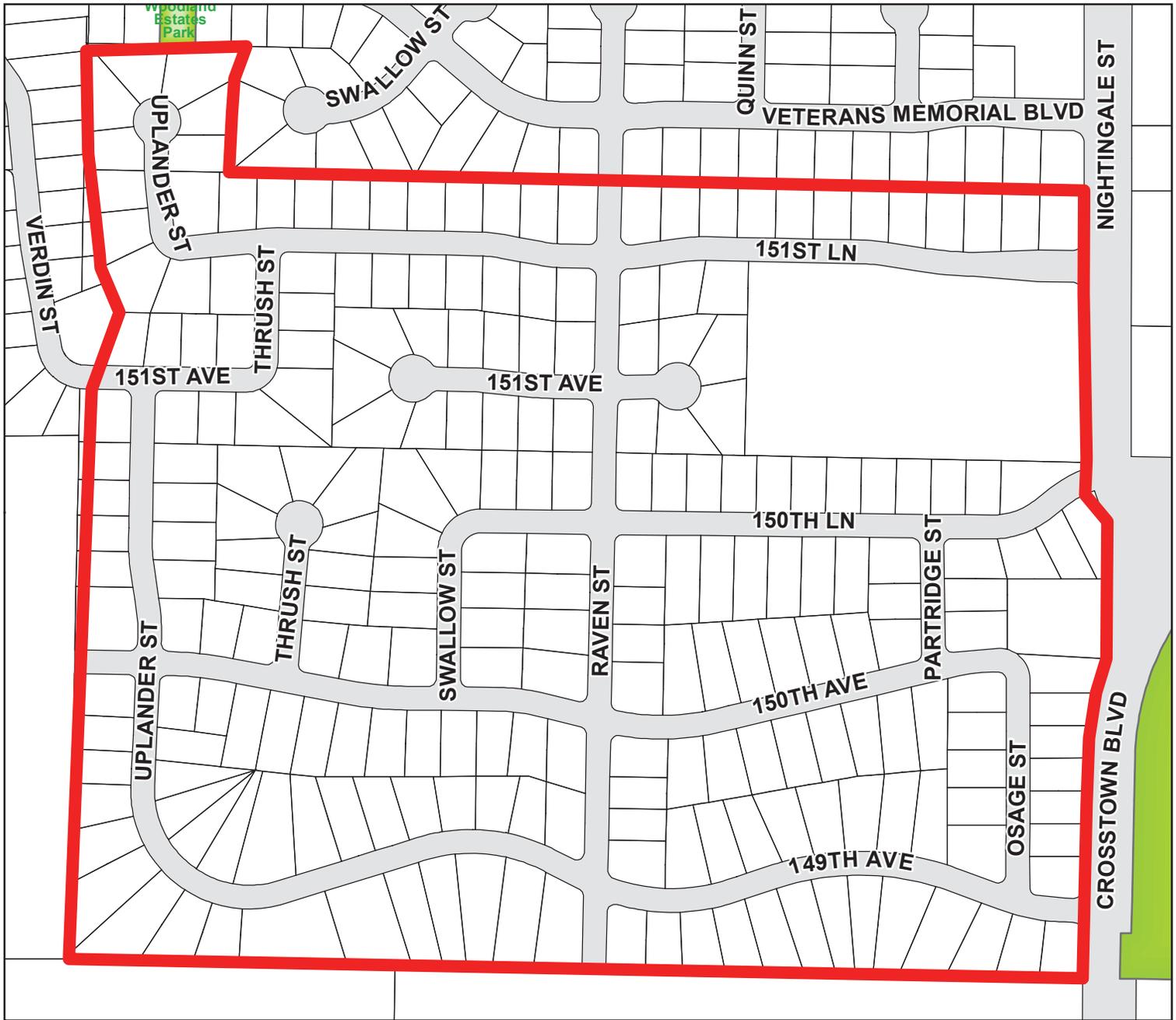
Expenditures	2020	2021	2022	2023	2024	Total
Construction	920,000	1,200,000	1,000,000	1,000,000	1,000,000	5,120,000
<b>Total</b>	<b>920,000</b>	<b>1,200,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,120,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments	232,500	300,000	250,000	250,000	250,000	1,282,500
Road & Bridge Funds	687,500	900,000	750,000	750,000	750,000	3,837,500
<b>Total</b>	<b>920,000</b>	<b>1,200,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,120,000</b>

### Budget Impact/Other

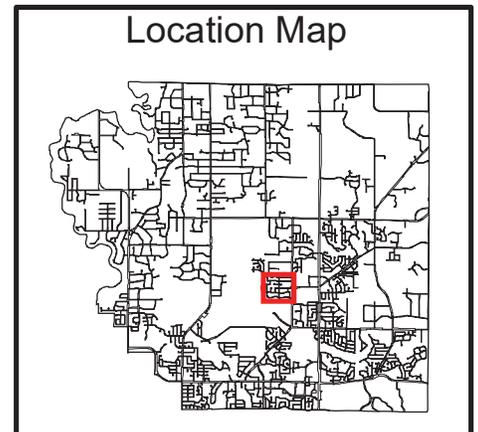
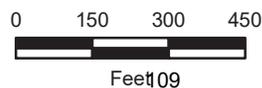
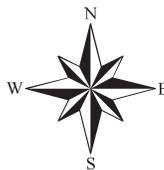
Overlaying a structurally sound road will prolong it's useful life a minimum of 15 years, and also reduce routine annual maintenance required compared to an older roadway surface (pothole patching, crack sealing, etc.)

Project Name: STREET OVERLAY  
WOODLAND ESTATES 1ST & 2ND ADDITIONS

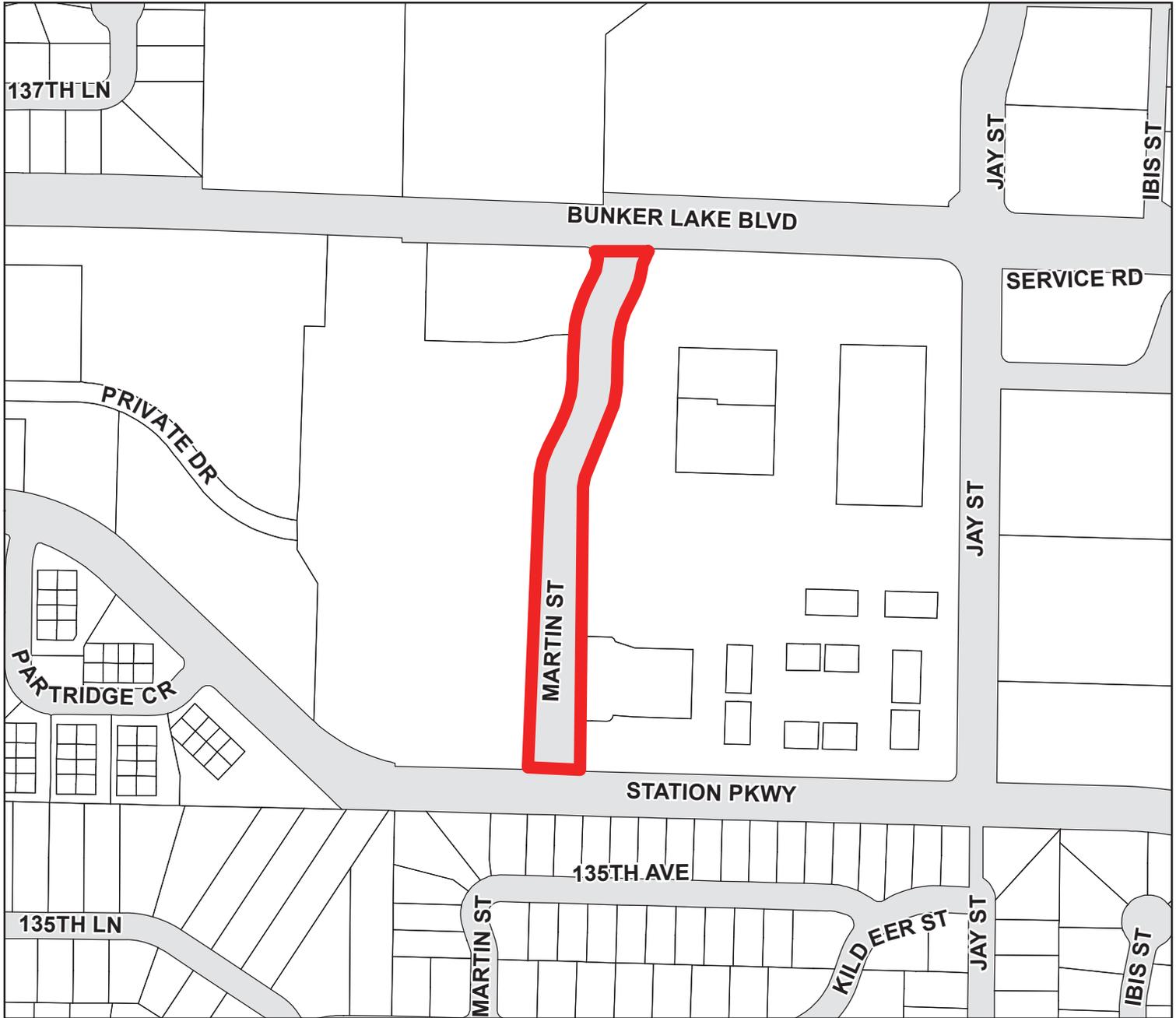


**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits

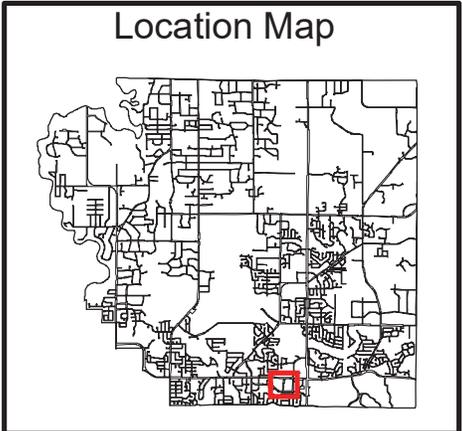
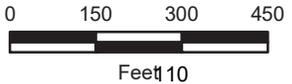


Project Name: STREET OVERLAY  
MARTIN STREET



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-13  
**Project Name** Pedestrian Crossing

**Type** Improvement  
**Useful Life** 15 Years  
**Category** Improvements

**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 2 - Medium



### Description

Pedestrian Crossing treatment at Nightingale Street and Veterans Memorial Boulevard.

### Justification

In 2020 a Traffic Engineer will be hired to determine what is the justification for such a crossing and if this location is justified, what type of treatment meets design criteria.

Expenditures	2020	2021	2022	2023	2024	Total
Planning/Design	10,000					10,000
Improvement		200,000				200,000
<b>Total</b>	<b>10,000</b>	<b>200,000</b>				<b>210,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Road & Bridge Funds	10,000	200,000				210,000
<b>Total</b>	<b>10,000</b>	<b>200,000</b>				<b>210,000</b>

### Budget Impact/Other

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-43100-03  
**Project Name** Pedestrian Tunnel Under Crosstown Blvd.

**Type** Improvement  
**Useful Life** 30 Years +  
**Category** Improvements

**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

This would be a pedestrian underpass walkway under Crosstown to accommodate pedestrian traffic from a possible development of a parking lot or other sports fields on the north side of Crosstown Boulevard that could cross under Crosstown Boulevard to Sunshine Park Facilities or just connect to the city's trail system.

### Justification

This item was discussed at a Council Workshop with the Public Works Department Managers February 16th, 2006. For safety and easy access for crossing Crosstown Boulevard from a future park and/or parking lot on the north side of Crosstown Boulevard to Sunshine Park on the south side; or just getting to the city trail system the quickest and safest way will be a pedestrian underpass under Crosstown Boulevard.

Expenditures	2020	2021	2022	2023	2024	Total
Improvement			750,000			750,000
<b>Total</b>			<b>750,000</b>			<b>750,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
G.O. Bond			750,000			750,000
<b>Total</b>			<b>750,000</b>			<b>750,000</b>

### Budget Impact/Other

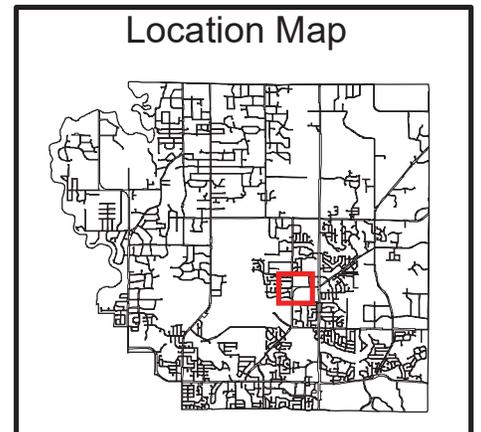
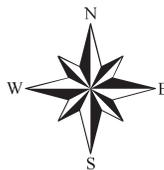
Connecting of these area's through an underpass will not only benefit pedestrians crossing the roadway, but will also provide a safe passage for personnel and smaller equipment.

Project Name: PEDESTRIAN TUNNEL UNDER CROSTOWN BLVD  
SUNSHINE PARK



**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits





# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>21-48100-01</b>
<b>Project Name</b>	<b>Rehabilitation of Wells</b>

<b>Type</b>	Improvement	<b>Department</b>	Water
<b>Useful Life</b>	7 Years	<b>Contact</b>	DPW / City Engineer
<b>Category</b>	Improvements	<b>Priority</b>	1 - High

### Description

The motor, pump and column pipe are taken out for inspection and worn parts are replaced. The well is televised to determine the depth and condition. If the well is at or close to the original drill depth everything is put back in place. The well may need to be cleaned out to the original depth if there is a substantial decrease in the depth.

### Justification

To make sure the well is operational to what it is designed for and to correct any problems that may affect our ability to produce the amount of water needed to meet the demand, a complete inspection and maintenance overhaul is performed on each well a minimum of once every seven (7) years. This maintenance will also maximize the pumping rate of the well.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement		30,000		55,000		85,000
<b>Total</b>		<b>30,000</b>		<b>55,000</b>		<b>85,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund		30,000		55,000		85,000
<b>Total</b>		<b>30,000</b>		<b>55,000</b>		<b>85,000</b>

### Budget Impact/Other

This would be done at such a time that it would not affect the demand needs of the system. Typically done late fall.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-48100-02  
**Project Name** Water Main Improvements



**Type** Improvement                      **Department** Water  
**Useful Life** 50 Years                      **Contact** DPW / City Engineer  
**Category** Improvements                      **Priority** 1 - High

### Description

Install water main, hydrants, and service lines to provide water service to existing areas in the City that are not currently served with City water. The following projects are proposed to be constructed along with the planned reconstruction of the streets in these areas:  
 2021: Water Main Loop from Crosstown Blvd at RR Tracks to Miller's Woods Development (\$460,000)

### Justification

The Crosstown Blvd to Miller's Woods connection would provide redundant service to the northeast service area and increase pressure and flow rates.  
 It is cost beneficial to install the water main in these areas while the roadways are being constructed.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement		460,000				460,000
<b>Total</b>		<b>460,000</b>				<b>460,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments		20,000				20,000
Water Trunk Fund		440,000				440,000
<b>Total</b>		<b>460,000</b>				<b>460,000</b>

### Budget Impact/Other

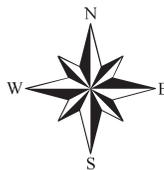
Additional maintenance and flushing requirements for the water main system will result.

Project Name: WATER MAIN IMPROVEMENTS  
RAILROAD TRACKS TO MILLER'S WOODS

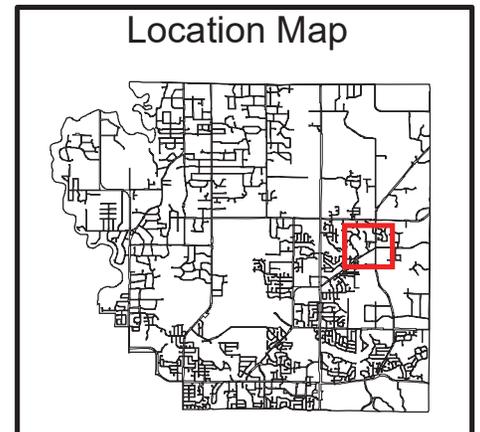


**LEGEND**

- Project Location
- Lots/Parcels
- Park
- Water
- Right of Way
- City Limits



Feet 17



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>21-48100-03</b>
<b>Project Name</b>	<b>Water Meter Reading System AMI/AMR</b>

<b>Type</b>	Improvement	<b>Department</b>	Water
<b>Useful Life</b>	20 Years	<b>Contact</b>	DPW / City Engineer
<b>Category</b>	Improvements	<b>Priority</b>	2 - Medium

### Description

A meter reading system that will read all water meters by a Drive By Radio Read System. The Drive By System is a system where an employee drives through the water service area and gathers all the meter readings by way of a vehicle mounted computer and receiver.

### Justification

Benefits to AMR:

- 1.Customer service can be greatly improved. The system will let everyone know how water is being used in the home with time of day usage. The homeowner can have access to their own account to see how they are doing.
- 2.Leak detection can be seen by the system. If water is being used 24/7, we will see this, and the City can let the homeowner know there may be a problem at their home. This can be done much sooner than later and avoid a larger bill at the end of the month or quarter. Also helps with water conservation.
- 3.If a meter stops reading it can be repaired pretty much immediately rather than 3 months down the road. An exception report can be generated with any issues to resolve daily.
- 4.Billing accuracy – Provides real-time billing information, reducing estimated readings and re-billing costs.
- 5.Reduces billing errors and disputes. Meters can be setup to read every hour or every few hours. This information is valuable to show homeowners what is going on within the home and at what time of day it is happening allowing homeowners to make repairs or changes in a timely manner and save dollars.
- 6.Reduces complaint calls and increases customer satisfaction.
- 7.Monitors tampering of the meter and reduces theft.
- 8.With the ability of the customers to look at their usage it can help promote conservation. There have been events where customers believe their irrigation systems are set a certain way and come to find out it is different than what they thought. This would allow them the opportunity to get it corrected and minimize a potentially larger water bill.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement		1,300,000				1,300,000
<b>Total</b>		<b>1,300,000</b>				<b>1,300,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund		1,300,000				1,300,000
<b>Total</b>		<b>1,300,000</b>				<b>1,300,000</b>

### Budget Impact/Other

The initial costs will be substantial but revenues will increase with the systems accuracy. Billing could be done for all customers on a monthly basis.

City of Andover, MN

*Capital Plan*

2020 thru 2024

**DEPARTMENT SUMMARY**

<b>Department</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Central Equipment		45,000				45,000
Community Center		21,000	10,000	15,000		46,000
Engineering	30,000		40,000			70,000
Fire	644,000	225,000	646,000	71,000	72,000	1,658,000
Information Technology	22,000					22,000
Park & Rec - Operations	285,000	53,000	170,000			508,000
Sanitary Sewer	90,000					90,000
Storm Sewer			250,000			250,000
Streets / Highways	374,000	370,000	340,000	440,000	252,000	1,776,000
<b>TOTAL</b>	<b>1,445,000</b>	<b>714,000</b>	<b>1,456,000</b>	<b>526,000</b>	<b>324,000</b>	<b>4,465,000</b>

City of Andover, MN

*Capital Plan*

2020 thru 2024

**FUNDING SOURCE SUMMARY**

<b>Source</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments	90,000					<i>90,000</i>
Capital Equipment Reserve	68,000	99,000	46,000	46,000	46,000	<i>305,000</i>
Comm Ctr Operations		21,000	10,000	15,000		<i>46,000</i>
Equipment Bond	1,264,000	570,000	1,375,000	440,000	252,000	<i>3,901,000</i>
General Fund	23,000	24,000	25,000	25,000	26,000	<i>123,000</i>
<b>GRAND TOTAL</b>	<b>1,445,000</b>	<b>714,000</b>	<b>1,456,000</b>	<b>526,000</b>	<b>324,000</b>	<b><i>4,465,000</i></b>

City of Andover, MN

Capital Plan

2020 thru 2024

**PROJECTS & FUNDING SOURCES BY DEPARTMENT**

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<b>Central Equipment</b>								
Replacement - Service Truck #371 <i>Capital Equipment Reserve</i>	21-48800-01	2		45,000 <i>45,000</i>				45,000 <i>45,000</i>
<b>Central Equipment Total</b>					45,000			45,000
<b>Community Center</b>								
Replacement - Floor Scrubber <i>Comm Ctr Operations</i>	21-44000-01	1		15,000 <i>15,000</i>				15,000 <i>15,000</i>
Replacement - Kaivac Cleaning System <i>Comm Ctr Operations</i>	21-44000-03	1		6,000 <i>6,000</i>				6,000 <i>6,000</i>
Replacement - Electric Edger <i>Comm Ctr Operations</i>	22-44300-02	1			10,000 <i>10,000</i>			10,000 <i>10,000</i>
Replacement - Zamboni Battery Pack <i>Comm Ctr Operations</i>	23-44300-01	1				15,000 <i>15,000</i>		15,000 <i>15,000</i>
<b>Community Center Total</b>					21,000	10,000	15,000	46,000
<b>Engineering</b>								
Replacement - 3/4 Ton Truck #12 <i>Equipment Bond</i>	20-41600-05	2	30,000 <i>30,000</i>					30,000 <i>30,000</i>
Replacement - Pick Up Truck #6 <i>Equipment Bond</i>	22-41600-01	2			40,000 <i>40,000</i>			40,000 <i>40,000</i>
<b>Engineering Total</b>			30,000		40,000			70,000
<b>Fire</b>								
Replacement - Turnout Gear <i>General Fund</i>	20-42200-01	1	23,000 <i>23,000</i>	24,000 <i>24,000</i>	25,000 <i>25,000</i>	25,000 <i>25,000</i>	26,000 <i>26,000</i>	123,000 <i>123,000</i>
Replacement - Engine 21 #4884 <i>Equipment Bond</i>	20-42200-02	1	510,000 <i>510,000</i>					510,000 <i>510,000</i>
Replacement - (2) SCBA Compressors St 2 & 3 <i>Equipment Bond</i>	20-42200-03	1	65,000 <i>65,000</i>	65,000 <i>65,000</i>				130,000 <i>130,000</i>
Replacement - 800 MHz radios <i>Capital Equipment Reserve</i>	20-42200-04	2	46,000 <i>46,000</i>	46,000 <i>46,000</i>	46,000 <i>46,000</i>	46,000 <i>46,000</i>	46,000 <i>46,000</i>	230,000 <i>230,000</i>
Replacement - Grass Utility Vehicle (UTV) #4813 <i>Equipment Bond</i>	21-42200-01	1		45,000 <i>45,000</i>				45,000 <i>45,000</i>
Replacement - Thermal Imaging Cameras <i>Equipment Bond</i>	21-42200-02	1		45,000 <i>45,000</i>				45,000 <i>45,000</i>
Replacement - Engine 31 #4800 <i>Equipment Bond</i>	22-42200-01	1			475,000 <i>475,000</i>			475,000 <i>475,000</i>
Replacement - Rescue 31 #4818 <i>Equipment Bond</i>	22-42200-02	1			100,000 <i>100,000</i>			100,000 <i>100,000</i>
<b>Fire Total</b>			644,000	225,000	646,000	71,000	72,000	1,658,000

Department	Project #	Priority	2020	2021	2022	2023	2024	Total
<b>Information Technology</b>								
Windows Server 2019 DataCenter Licenses <i>Capital Equipment Reserve</i>	20-41420-01	2	12,000 <i>12,000</i>					12,000 <i>12,000</i>
Aruba Switch Upgrade <i>Capital Equipment Reserve</i>	20-41420-02	1	10,000 <i>10,000</i>					10,000 <i>10,000</i>
<b>Information Technology Total</b>			<b>22,000</b>					<b>22,000</b>
<b>Park &amp; Rec - Operations</b>								
Replacement - Water Tanker #161 <i>Equipment Bond</i>	20-45000-03	1	175,000 <i>175,000</i>					175,000 <i>175,000</i>
New - Large Capacity Mower <i>Equipment Bond</i>	20-45000-04	1	110,000 <i>110,000</i>					110,000 <i>110,000</i>
Replacement - Cushman Field Dresser #547 <i>Equipment Bond</i>	21-45000-01	1		27,000 <i>27,000</i>				27,000 <i>27,000</i>
Replacement - Trailer #T-555 <i>Equipment Bond</i>	21-45000-02	1		18,000 <i>18,000</i>				18,000 <i>18,000</i>
New - Turbine Tow-Behind Blower <i>Capital Equipment Reserve</i>	21-45000-03	1		8,000 <i>8,000</i>				8,000 <i>8,000</i>
Replacement - Large Capacity Mower #585 <i>Equipment Bond</i>	22-45000-01	1			120,000 <i>120,000</i>			120,000 <i>120,000</i>
Replacement - Tractor #515 <i>Equipment Bond</i>	22-45000-02	1			50,000 <i>50,000</i>			50,000 <i>50,000</i>
<b>Park &amp; Rec - Operations Total</b>			<b>285,000</b>	<b>53,000</b>	<b>170,000</b>			<b>508,000</b>
<b>Sanitary Sewer</b>								
Lift Station Improvements <i>Assessments</i>	20-48200-01	1	90,000 <i>90,000</i>					90,000 <i>90,000</i>
<b>Sanitary Sewer Total</b>			<b>90,000</b>					<b>90,000</b>
<b>Storm Sewer</b>								
Replacement - Elgin Street Sweeper #169 <i>Equipment Bond</i>	22-48300-01	1			250,000 <i>250,000</i>			250,000 <i>250,000</i>
<b>Storm Sewer Total</b>					<b>250,000</b>			<b>250,000</b>
<b>Streets / Highways</b>								
Replacement - Front End Loader #124 <i>Equipment Bond</i>	20-43100-09	1	275,000 <i>275,000</i>					275,000 <i>275,000</i>
Replacement - One Ton Truck w/ Plow #133 <i>Equipment Bond</i>	20-43100-10	1	80,000 <i>80,000</i>					80,000 <i>80,000</i>
New - Slide-In Hotbox <i>Equipment Bond</i>	20-43100-12	1	19,000 <i>19,000</i>					19,000 <i>19,000</i>
New - Dump Truck w/ Snow removal <i>Equipment Bond</i>	21-43100-01	1		240,000 <i>240,000</i>				240,000 <i>240,000</i>
New - One Ton Truck w/ Snow removal <i>Equipment Bond</i>	21-43100-02	1		70,000 <i>70,000</i>				70,000 <i>70,000</i>
Replacement - Bobcat S185 #120 <i>Equipment Bond</i>	21-43100-03	1		60,000 <i>60,000</i>				60,000 <i>60,000</i>
New - Dump truck w/ Snow removal <i>Equipment Bond</i>	22-43100-01	1			240,000 <i>240,000</i>			240,000 <i>240,000</i>
Replacement - Backhoe Loader #80 <i>Equipment Bond</i>	22-43100-02	1			100,000 <i>100,000</i>			100,000 <i>100,000</i>

<b>Department</b>	<b>Project #</b>	<b>Priority</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Replacement - Dump Truck w/ Snow removal #200 <i>Equipment Bond</i>	23-43100-01	1				240,000		240,000
						<i>240,000</i>		<i>240,000</i>
Replacement - Aerial bucket truck #00-139 <i>Equipment Bond</i>	23-43100-02	1				200,000		200,000
						<i>200,000</i>		<i>200,000</i>
Replacement - Dump Truck w/ Snow removal #201 <i>Equipment Bond</i>	24-43100-01	1					252,000	252,000
							<i>252,000</i>	<i>252,000</i>
<b>Streets / Highways Total</b>			374,000	370,000	340,000	440,000	252,000	1,776,000
<b>GRAND TOTAL</b>			1,445,000	714,000	1,456,000	526,000	324,000	4,465,000

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-48800-01  
**Project Name** Replacement - Service Truck #371



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Central Equipment  
**Contact** DPW / City Engineer  
**Priority** 2 - Medium

### Description

Replace unit #371, a 2001 S10 Ext Cab 4x4 truck with 133,877 miles. The replacement truck would be a crew cab with a tailgate lift.

### Justification

This truck averages about 7,000 miles a year and by 2021 it will have approximately 147,000 miles. To assist mechanics with jobs outside the shop such as parts runs, vehicle repair and moving equipment around; a larger and roomier vehicle is needed.

Expenditures	2020	2021	2022	2023	2024	Total
Vehicles		45,000				45,000
<b>Total</b>		<b>45,000</b>				<b>45,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Capital Equipment Reserve		45,000				45,000
<b>Total</b>		<b>45,000</b>				<b>45,000</b>

### Budget Impact/Other

A bigger vehicle would increase operating costs - fuel and maintenance, but would have many more uses.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44000-01  
**Project Name** Replacement - Floor Scrubber



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Replace the floor scrubber that is used daily in the community center.

### Justification

After 6 years, it will be time to replace the floor scrubber that is used as part of facility maintenance.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		15,000				15,000
<b>Total</b>		<b>15,000</b>				<b>15,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations		15,000				15,000
<b>Total</b>		<b>15,000</b>				<b>15,000</b>

### Budget Impact/Other

A new machine should provide some efficiencies in both time and material used.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-44000-03  
**Project Name** Replacement - Kaivac Cleaning System



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Kaivac Cleaning system is used to clean bleachers and player box areas. It is a power washer and wet vac system.

### Justification

After 12 plus years, the current Kaivac system will be in need of replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		6,000				6,000
<b>Total</b>		<b>6,000</b>				<b>6,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations		6,000				6,000
<b>Total</b>		<b>6,000</b>				<b>6,000</b>

### Budget Impact/Other

Overall cost of the new cleaning system will help keep the facility well maintained.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-44300-02  
**Project Name** Replacement - Electric Edger



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Replace the electric edger used for ice maintenance.

### Justification

After 10+ years, it will be time to replace the edger that is used as part of ice rink maintenance.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			10,000			10,000
<b>Total</b>			<b>10,000</b>			<b>10,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations			10,000			10,000
<b>Total</b>			<b>10,000</b>			<b>10,000</b>

### Budget Impact/Other

Overall cost of the new edger will keep maintenance costs down and provide a better product.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 23-44300-01  
**Project Name** Replacement - Zamboni Battery Pack



**Type** Equipment  
**Useful Life** 5 years  
**Category** Equipment

**Department** Community Center  
**Contact** Comm Ctr Manager  
**Priority** 1 - High

### Description

Replace the battery pack for the electric Zamboni.

### Justification

The battery pack that drives the Zamboni should be replaced every 4-6 years. Over time, the batteries will hold less of a charge and eventually have to be replaced.

Expenditures	2020	2021	2022	2023	2024	Total
Vehicles				15,000		15,000
<b>Total</b>				<b>15,000</b>		<b>15,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Comm Ctr Operations				15,000		15,000
<b>Total</b>				<b>15,000</b>		<b>15,000</b>

### Budget Impact/Other

The Zamboni is a necessary part of the operations of the ice arena; and without it, we would not be able to keep the facility operating.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-41600-05  
**Project Name** Replacement - 3/4 Ton Truck #12



**Type** Equipment  
**Useful Life** 15-20 Years  
**Category** Equipment  
**Department** Engineering  
**Contact** DPW / City Engineer  
**Priority** 2 - Medium

### Description

To replace unit #12, a 1997 Dodge pick up truck with 84,929 miles.

### Justification

Truck will be 23 years old and is starting to break down. Parts are getting harder to find.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Budget Impact/Other

Less break downs saving the City time and money.







# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-42200-03  
**Project Name** Replacement - (2) SCBA Compressors St 2 & 3



**Type** Equipment  
**Useful Life** 15 Years  
**Category** Equipment  
**Department** Fire  
**Contact** Fire Chief  
**Priority** 1 - High

### Description

Replace self contained breathing apparatus compressors at station 2 and 3. These compressors are used to fill breathing air into the bottles we wear on our backs to enter dangerous conditions.

### Justification

These compressors are used to fill the air bottles firefighters use to breath in areas that are dangerous to our health. The compressor takes air from the atmosphere and cleans it using high level filters to assure the firefighter is breathing fresh air to do their job.

The compressor then forces air into a small cylinder under high pressure so each firefighter has approximately 30 minutes of breathing time before they run out of air. These are specialized pieces of equipment, expensive, and require frequent maintenance to assure the air is clean and not contaminated.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment	65,000	65,000				130,000
<b>Total</b>	<b>65,000</b>	<b>65,000</b>				<b>130,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment Bond	65,000	65,000				130,000
<b>Total</b>	<b>65,000</b>	<b>65,000</b>				<b>130,000</b>

### Budget Impact/Other

The current compressors have been with us for many years and currently requiring a lot of maintenance costs. Newer technology also allows us to save energy and fill our bottles in less time with less overall maintenance costs.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>20-42200-04</b>
<b>Project Name</b>	<b>Replacement - 800 MHz radios</b>



<b>Type</b>	Equipment	<b>Department</b>	Fire
<b>Useful Life</b>	10 Years	<b>Contact</b>	Fire Chief
<b>Category</b>	Equipment	<b>Priority</b>	2 - Medium

### Description

The current 800 MHz. handheld and mobile radios used by the fire department and Public Works are no longer manufactured. In addition, the service support for maintenance and repair for the same radios will not be available after 2019. The fire department currently has 37 hand held radios and has a need to increase to 40. The fire department also has 16 mobile radios mounted in vehicles or used as a base station at all three stations. The Public Works Department has 6 hand held radios that can be used to contact agencies on the 800 MHz. frequency.

### Justification

The current radios are no longer being manufactured and service to repair the current radios will end in December of 2019. There will not be a stockpile of radios available to replace a radio that fails for any reason after 2019. In order to replace a radio that does not work and cannot be serviced the delivery time could take weeks for some new models. The proposal would be to gradually replace radios during the five year period when they can still be serviced and/or repaired. Keep in mind that the warranty period starts when the radio is purchased so as they are replaced we can spread the warranty period out and not have to purchase all radios at the same time in the future.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment	46,000	46,000	46,000	46,000	46,000	230,000
<b>Total</b>	<b>46,000</b>	<b>46,000</b>	<b>46,000</b>	<b>46,000</b>	<b>46,000</b>	<b>230,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve	46,000	46,000	46,000	46,000	46,000	230,000
<b>Total</b>	<b>46,000</b>	<b>46,000</b>	<b>46,000</b>	<b>46,000</b>	<b>46,000</b>	<b>230,000</b>

### Budget Impact/Other

The current pricing for the hand held radios is \$3,300 each and \$3,400 for each mobile. The total cost to replace every radio at one time would be about \$207,000 if the radios are not encrypted. An additional cost of \$500 for each radio would be needed if the agencies in Anoka County decide that all radios should have encryption programming to block out others from hearing the conversations. The encrypted radio costs would be approximately \$238,000

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-42200-01  
**Project Name** Replacement - Grass Utility Vehicle (UTV) #4813



**Type** Equipment  
**Useful Life** 15 Years  
**Category** Equipment  
**Department** Fire  
**Contact** Fire Chief  
**Priority** 1 - High

### Description

Replace unit #4813, a Polaris 6 x 6 with 128 miles that is used for wildland fires.

### Justification

This vehicle is used to fight wildland fires over heavy terrain. It carries a water pump to firefighters so they can fight fire deep in the woods. It is lighter than a truck and can reach areas a truck cannot go. The equipment has limitations as it was not designed to carry water and personnel as we use it. It was designed for recreational use and we turned it into industrial use. That brings challenges and limitations as other vehicles can carry more water and be built to support more personnel.

We would like to retire this vehicle as a grass vehicle and use it as a rescue and medical responder on our park trails and city events. We would like to purchase a more industrialized vehicle to hold more water for fighting fires and more personnel to assist on the scene while deep in the woods.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		45,000				45,000
<b>Total</b>		45,000				45,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond		45,000				45,000
<b>Total</b>		45,000				45,000

### Budget Impact/Other

This vehicle saves a tremendous amount of time and reduces risk to the firefighters who must travel through heavy terrain and bogs to get to the fire. The UTV travels quickly and over those obstacles and allows the firefighters to attack the fire quickly to stop the spread to neighboring homes and structures.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>21-42200-02</b>
<b>Project Name</b>	<b>Replacement - Thermal Imaging Cameras</b>



<b>Type</b>	Equipment	<b>Department</b>	Fire
<b>Useful Life</b>	15 Years	<b>Contact</b>	Fire Chief
<b>Category</b>	Equipment	<b>Priority</b>	1 - High

### Description

Thermal Imaging cameras are high end hand held heat seeking devices used to spot fires in enclosed areas through heavy smoke. It uses heat seeking technology to determine temperatures within a room. They are also used to find victims in heavy smoke conditions when firefighters cannot see. This is a critical tool for firefighters on the attack line.

### Justification

This is a critical tool for firefighters and greatly reduces risk for the firefighters as they can see through the conditions to determine their plan of attack. This tool also allows firefighters to see through heavy smoke conditions to locate victims trapped in a room on fire.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment		45,000				45,000
<b>Total</b>		<b>45,000</b>				<b>45,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment Bond		45,000				45,000
<b>Total</b>		<b>45,000</b>				<b>45,000</b>

### Budget Impact/Other

The cost of the equipment is through a competitive process. They are of a durable design and can sustain a lot of abuse from firefighters and the heat. When they are used, they greatly reduce the time to locate the seat of the fire and victims as it can see through conditions our eyes cannot. This tool greatly reduces risk to our firefighters and assist in finding hot spots trapped in walls so we do not have a secondary fire after we leave. Outside of the fire scene, this tool can be used for field searches and water searches to quickly identify bodies saving time and effort. This ultimately reduces the cost of service.





# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>20-41420-01</b>
<b>Project Name</b>	<b>Windows Server 2019 DataCenter Licenses</b>

<b>Type</b>	Equipment	<b>Department</b>	Information Technology
<b>Useful Life</b>	5 years	<b>Contact</b>	IT Manager
<b>Category</b>	Information Technology	<b>Priority</b>	2 - Medium

### Description

Windows server operating system upgrades. Current server operating systems vary from 2008 Server & 2012 Server.

### Justification

Server operating systems running 2008 will become end of life in 2020. Server operating system 2012 will become end of life in 2023. Recommend moving all servers to 2019 DataCenter operating system.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Technology Improvements	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

### Budget Impact/Other

One time purchase of upgrade and future upgrade would come due around 2025-26.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>20-41420-02</b>
<b>Project Name</b>	<b>Aruba Switch Upgrade</b>

<b>Type</b> Equipment	<b>Department</b> Information Technology
<b>Useful Life</b> 7 Years	<b>Contact</b> IT Manager
<b>Category</b> Information Technology	<b>Priority</b> 1 - High

### Description

Upgrade current switch infrastructure to new 48 port switches in city hall to eliminate bottlenecks and number of physical devices from 4 to 2.

### Justification

Technology improvements and higher bandwidth requirements. Also better management / configuration of new devices.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Technology Improvements	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

### Budget Impact/Other

Less energy used with less physical devices,

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-45000-03  
**Project Name** Replacement - Water Tanker #161



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Park & Rec - Operations  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #161, a 2002 water tanker truck with 63,630 miles. It is used to water new turf, shrubs and trees in the parks during the summer; flushing the medians in the spring; and flooding rinks in the winter.

### Justification

This vehicle is used year round and in all types of weather. The frame and the truck components, ie. air tanks and crossmembers, were sandblasted and painted in 2013 but are showing their age.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	175,000					175,000
<b>Total</b>	<b>175,000</b>					<b>175,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond	175,000					175,000
<b>Total</b>	<b>175,000</b>					<b>175,000</b>

### Budget Impact/Other

The truck frame was sand blasted and repainted once to try to slow down the rusting process. Being that the tank is stainless steel, we might be able to install it on to a new truck chassis saving some money.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-45000-04  
**Project Name** New - Large Capacity Mower



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Park & Rec - Operations  
**Contact** Asst.Public Works Director  
**Priority** 1 - High

### Description

Purchase Toro Groundmaster 5910 or equivalent (New Purchase).

### Justification

Due to increased irrigation and fertilizer, the mowing needs of the Park system continue to increase significantly. In order to maintain turf areas properly, another Large Capacity Mower will need to be purchased.

Expenditures	2020	2021	2022	2023	2024	Total
Vehicles	110,000					110,000
<b>Total</b>	<b>110,000</b>					<b>110,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond	110,000					110,000
<b>Total</b>	<b>110,000</b>					<b>110,000</b>

### Budget Impact/Other

This new machine will add additional mowing capabilities and reduce the hours on existing mowers while completing all the mowing during the normal work week.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-45000-01  
**Project Name** Replacement - Cushman Field Dresser #547



**Type** Equipment  
**Useful Life** 15 Years  
**Category** Equipment  
**Department** Park & Rec - Operations  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #547, 1994 Cushman field dresser with 3,630 hours.

### Justification

This unit is 25 years old and becoming a maintenance problem. It would be replaced with a vehicle that has more uses.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		27,000				27,000
<b>Total</b>		<b>27,000</b>				<b>27,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond		27,000				27,000
<b>Total</b>		<b>27,000</b>				<b>27,000</b>

### Budget Impact/Other

New machine and newer equipment , less break downs and better at doing all the infield work.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-45000-02  
**Project Name** Replacement - Trailer #T-555

**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Park & Rec - Operations  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

Replace unit #T-555, a 1993 trailer that has under gone a number of refurbishments. It would be replaced with a new galvanized trailer.

### Justification

Maintenance cost are going up and the steel on it is showing its 26 years of service.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		18,000				18,000
<b>Total</b>		<b>18,000</b>				<b>18,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond		18,000				18,000
<b>Total</b>		<b>18,000</b>				<b>18,000</b>

### Budget Impact/Other

Less maintenace and down time.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

<b>Project #</b>	<b>21-45000-03</b>
<b>Project Name</b>	<b>New - Turbine Tow-Behind Blower</b>

**Type** Equipment  
**Useful Life** 15-20 Years  
**Category** Equipment

**Department** Park & Rec - Operations  
**Contact** Facilities Maintenance Superviso  
**Priority** 1 - High



### Description

The turbine tow-behind debris blower can be used to blow off leaves, disperse grass clippings from athletic fields, and sand/other debris off of trails. This can be pulled behind a Workman which is lightweight and able to drive on athletic fields; while the other blower attachment in our current inventory is used primarily with blowing off trails (due to the weight of the trail machines).

### Justification

With irrigation and mowing activities increasing throughout the park system, the amount of grass clippings has increased significantly. This tow-behind buffalo turbine blower will be used to disperse clumps of grass clippings on athletic fields to improve playability.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment		8,000				8,000
<b>Total</b>		<b>8,000</b>				<b>8,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Capital Equipment Reserve		8,000				8,000
<b>Total</b>		<b>8,000</b>				<b>8,000</b>

### Budget Impact/Other

This piece of equipment will be used primarily to blow off and disperse grass clippings instead of removing them with a sweeper. This will be much more efficient than the turf sweeper and will allow the grass clippings to stay on-site, which will reduce the need to apply an additional fertilizer application.



# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-45000-02  
**Project Name** Replacement - Tractor #515

**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Park & Rec - Operations  
**Contact**  
**Priority** 1 - High



### Description

Replace unit #515, a 2002 John Deere tractor with 4,890 hours..

### Justification

2002 JD Tractor w/ Cab is in need of replacement. The Cab was an add-on after the tractor was purchased.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			50,000			50,000
<b>Total</b>			<b>50,000</b>			<b>50,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond			50,000			50,000
<b>Total</b>			<b>50,000</b>			<b>50,000</b>

### Budget Impact/Other

Increased efficiencies with the use of this John Deere Tractor for various activities including: fertilizer applications, raking ballfields and smoothing gravel lots.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-48200-01  
**Project Name** Lift Station Improvements

**Type** Equipment  
**Useful Life** 15-20 Years  
**Category** Improvements

**Department** Sanitary Sewer  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

2020: Upgrade to Aztec Estates Lift Station (\$90,000) (Assessed).

### Justification

Upgrades to pumps and controls for Lift Station #5 (Aztec Estates) are necessary to handle increase flow due to new development on the NE corner of Bunker Lake Boulevard and 7th Avenue.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Improvement	90,000					90,000
<b>Total</b>	<b>90,000</b>					<b>90,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments	90,000					90,000
<b>Total</b>	<b>90,000</b>					<b>90,000</b>

### Budget Impact/Other

Routine monitoring and maintenance of the lift station will be required.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-48300-01  
**Project Name** Replacement - Elgin Street Sweeper #169



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Storm Sewer  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #169, a 2000 Elgin sweeper with approximately 5,005 hours.

### Justification

Maintenance costs continue to rise and it will need to be monitored as to the timing of replacement.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Vehicles			250,000			250,000
<b>Total</b>			<b>250,000</b>			<b>250,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment Bond			250,000			250,000
<b>Total</b>			<b>250,000</b>			<b>250,000</b>

### Budget Impact/Other

We will need to monitor the costs closely over the next few years and make a decision at that time. This machine only runs about a month and a half a year.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-09  
**Project Name** Replacement - Front End Loader #124

**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

Replace unit #124, a 1998 front end loader with 6,136 hours.

### Justification

Continually has mechanical issues but has multiple purposes throughout the year. Old style controls adding to operator fatigue.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	275,000					275,000
<b>Total</b>	<b>275,000</b>					<b>275,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond	275,000					275,000
<b>Total</b>	<b>275,000</b>					<b>275,000</b>

### Budget Impact/Other

Cracked oil pan, hoses are rusty and brittle. Very expensive to repair and parts are getting harder to find.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-10  
**Project Name** Replacement - One Ton Truck w/ Plow #133



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #133, a 2004 Ford F450 dump truck and 9' snow plow, steel 2-3 yard tipper box and aluminum box cover (for chipping trees into it) with 54,320 miles.

### Justification

This unit will be 16 years old and getting close to the end of its life cycle. It will be re-evaluated each year to determine the proper time for replacement.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

### Budget Impact/Other

Less breakdowns and maintenance costs.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 20-43100-12  
**Project Name** New - Slide-In Hotbox



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

A self-contained asphalt hot box that slides into a 1-ton dump truck. Primarily used for winter patching, in place of cold patching with expensive bagged cold patch material.

### Justification

This would allow staff the ability to do hot patching in the winter, which is a more permanent, cheaper patching option than cold mix. It does not need to be removed for plowing snow like our larger hotbox. It would also allow for a second patch crew for the busy spring pot hole season.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment	19,000					19,000
<b>Total</b>	<b>19,000</b>					<b>19,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment Bond	19,000					19,000
<b>Total</b>	<b>19,000</b>					<b>19,000</b>

### Budget Impact/Other

This is a cheaper option per ton to patch in the winter. It also is much more productive and allows for a more permanent repair, thus reducing man hours in fixing the same pot hole multiple times.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-43100-01  
**Project Name** New - Dump Truck w/ Snow removal



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Purchase an additional dump truck with snow removal equipment moving the oldest truck into a back-up position in case of breakdowns during a snow emergency.

### Justification

Currently there is no backup truck to use during a snow emergency if a truck breaks down. This purchase would allow the oldest truck to be set aside as a replacement when a plow truck breaks down.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		240,000				240,000
<b>Total</b>		<b>240,000</b>				<b>240,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond		240,000				240,000
<b>Total</b>		<b>240,000</b>				<b>240,000</b>

### Budget Impact/Other

Increase in operational costs but less breakdowns.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-43100-02  
**Project Name** New - One Ton Truck w/ Snow removal



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Add an additional 3/4 truck w/ snow removal equipment.

### Justification

New developments keep adding streets and culdesacs to the system.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment		70,000				70,000
<b>Total</b>		<b>70,000</b>				<b>70,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment Bond		70,000				70,000
<b>Total</b>		<b>70,000</b>				<b>70,000</b>

### Budget Impact/Other

Less breakdowns and operator downtime.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 21-43100-03  
**Project Name** Replacement - Bobcat S185 #120

**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

Replace unit #120, a 2004 Bobcat S185 high-flow hydraulics with 1,830 hours.

### Justification

This unit is primarily used by the Streets Department to run the mill machine to grind asphalt when patching. It is also used by other departments for loading trucks, stump grinding, moving material and snow blowing the Recycling Center. A bigger machine with high-flow hydraulics is proposed.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment		60,000				60,000
<b>Total</b>		<b>60,000</b>				<b>60,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond		60,000				60,000
<b>Total</b>		<b>60,000</b>				<b>60,000</b>

### Budget Impact/Other

As this unit accumulates more hours, maintenance cost will continue to increase as well.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-43100-01  
**Project Name** New - Dump truck w/ Snow removal



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Add a new dump truck with snow removal equipment to take the place of an older truck and keep that truck as a dedicated haul truck.

### Justification

This would add a new truck to the aging snow plow fleet. It would reduce down time due to mechanical failures. It also allows us to have a dump truck that could be set up as a dedicated haul truck all year.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			240,000			240,000
<b>Total</b>			<b>240,000</b>			<b>240,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond			240,000			240,000
<b>Total</b>			<b>240,000</b>			<b>240,000</b>

### Budget Impact/Other

A new truck will be more efficient to operate. Repair costs and down time should both be reduced.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 22-43100-02  
**Project Name** Replacement - Backhoe Loader #80



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #80, a 1998 John Deere 624 loader with 3,344 hours on it.

### Justification

Replace with a front end loader with a front plow and wing.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment			100,000			100,000
<b>Total</b>			<b>100,000</b>			<b>100,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond			100,000			100,000
<b>Total</b>			<b>100,000</b>			<b>100,000</b>

### Budget Impact/Other

Better use and cheaper to operate.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 23-43100-01  
**Project Name** Replacement - Dump Truck w/ Snow removal #200



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #200, a 2000 Sterling dump truck with snow removal equipment with 74,280 miles.

### Justification

Maintenance cost are starting to go up and getting parts for a 19 year old truck are getting harder to find and are more costly once they are found.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment				240,000		240,000
<b>Total</b>				<b>240,000</b>		<b>240,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equipment Bond				240,000		240,000
<b>Total</b>				<b>240,000</b>		<b>240,000</b>

### Budget Impact/Other

A new truck will be more efficient to operate, repair costs should be lower making it cheaper to operate.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 23-43100-02  
**Project Name** Replacement - Aerial bucket truck #00-139

**Type** Equipment  
**Useful Life** 15-20 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High



### Description

Replace unit #00-139, a 2001 Ford F550 aerial bucket truck with 24,243 miles.

### Justification

Current truck is not very stable and has low reach. It is used for tree trimming, light bulb replacement in parking lots and buildings, and banner maintenance. The replacement will be larger and have a chipper box.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment				200,000		200,000
<b>Total</b>				<b>200,000</b>		<b>200,000</b>

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond				200,000		200,000
<b>Total</b>				<b>200,000</b>		<b>200,000</b>

### Budget Impact/Other

Very time consuming to stabilize the truck to extend the bucket properly. More efficient to combine the wood chip box and lift on one chassis.

# Capital Plan

2020 *thru* 2024

## City of Andover, MN

**Project #** 24-43100-01  
**Project Name** Replacement - Dump Truck w/ Snow removal #201



**Type** Equipment  
**Useful Life** 10 Years  
**Category** Equipment  
**Department** Streets / Highways  
**Contact** DPW / City Engineer  
**Priority** 1 - High

### Description

Replace unit #201, a 2000 Sterling dump truck with snow removal equipment with 50,908 miles.

### Justification

Maintenance cost are starting to go up and getting parts for a 19 year old truck are getting harder to find and are more costly once they are found.

Expenditures	2020	2021	2022	2023	2024	Total
Equipment					252,000	252,000
<b>Total</b>					252,000	252,000

Funding Sources	2020	2021	2022	2023	2024	Total
Equipment Bond					252,000	252,000
<b>Total</b>					252,000	252,000

### Budget Impact/Other

A new truck will be more efficient to operate, repair costs should be lower making it cheaper to operate.

**CITY OF ANDOVER**  
**Road & Bridge Funds - Rollup**  
**Projected Fund Balance**

	Estimate 2019	2020	2021	2022	2023	2024	TOTALS
<b>Projected Sources of Revenue</b>							
Est. Annual MSA Construction Allocation	\$ 1,212,563	\$ 1,212,563	\$ 1,180,572	\$ 810,000	\$ 1,647,117	\$ 1,212,563	\$ 7,275,378
Est. Annual Maintenance Allocation	404,188	404,188	404,188	404,188	404,188	404,188	2,425,128
General Fund Commitment	(248,634)	(256,093)	(263,776)	(271,689)	(279,840)	(288,235)	(1,608,267)
<b>Available MSA Maintenance</b>	<b>155,554</b>	<b>148,095</b>	<b>140,412</b>	<b>132,499</b>	<b>124,348</b>	<b>115,953</b>	<b>816,861</b>
<b>Total MSA Available for other Commitments</b>	<b>1,368,117</b>	<b>1,360,658</b>	<b>1,320,984</b>	<b>942,499</b>	<b>1,771,465</b>	<b>1,328,516</b>	<b>1,368,117</b>
Federal / State Funds	-	-	-	-	900,000	-	900,000
Assessments*	539,000	564,500	651,000	911,500	590,000	749,500	4,005,500
LGA - Local Government Aid	-	-	-	-	-	-	-
Tax Levy	1,356,788	1,391,509	1,417,758	1,441,572	1,465,863	1,490,639	8,564,129
<b>Total Revenues Available</b>	<b>3,263,905</b>	<b>3,316,667</b>	<b>3,389,742</b>	<b>3,295,571</b>	<b>4,727,328</b>	<b>3,568,655</b>	<b>14,837,746</b>
<b>Projected Commitments</b>							
MSA - New & Reconstruct Routes	2,270,000	580,000	-	510,000	1,400,000	630,000	5,390,000
MSA - Intersection Upgrades	-	-	285,000	300,000	1,800,000	-	2,385,000
R & B - Pavement Markings	45,000	60,000	62,000	65,000	68,000	72,000	372,000
R & B - Curb Replacement	54,000	56,000	58,000	60,000	62,000	65,000	355,000
R & B - New & Reconstruct Routes	1,163,000	1,226,000	1,401,000	2,575,000	610,000	1,581,000	8,556,000
R & B - Seal Coating	260,000	200,000	210,000	220,000	230,000	240,000	1,360,000
R & B - Crack Sealing	248,000	160,000	170,000	180,000	190,000	200,000	1,148,000
R & B - Gravel Road Improvements	20,000	21,000	21,000	22,000	23,000	24,000	131,000
R & B - Pedestrian Crossing	-	10,000	200,000	-	-	-	210,000
R & B - Overlays	-	920,000	1,200,000	1,000,000	1,000,000	1,000,000	5,120,000
Pedestrian Trail Reconstruction	-	-	-	370,000	170,000	170,000	710,000
Pedestrian Trail Curb Ramp Replacements	18,000	19,000	20,000	22,000	24,000	26,000	129,000
Pedestrian Trail Maintenance	60,000	63,000	66,000	69,000	72,000	75,000	405,000
<b>Total Commitments</b>	<b>4,138,000</b>	<b>3,315,000</b>	<b>3,693,000</b>	<b>5,393,000</b>	<b>5,649,000</b>	<b>4,083,000</b>	<b>26,271,000</b>
<b>Revenues Over (Under) Expenditures</b>	<b>(874,095)</b>	<b>1,667</b>	<b>(303,258)</b>	<b>(2,097,429)</b>	<b>(921,672)</b>	<b>(514,345)</b>	
Fund Balance as of December 31, 2018	6,603,576						
Fund Balance Brought Forward		5,729,481	5,731,148	5,427,890	3,330,461	2,408,789	
<b>Ending Fund Balance</b>	<b>\$ 5,729,481</b>	<b>\$ 5,731,148</b>	<b>\$ 5,427,890</b>	<b>\$ 3,330,461</b>	<b>\$ 2,408,789</b>	<b>\$ 1,894,444</b>	

\* Assuming collected in same year

**CITY OF ANDOVER  
Park Improvement Fund  
Projected Fund Balance**

	Estimate 2019	2020	2021	2022	2023	2024	TOTALS
<b>Projected Sources of Revenue</b>							
Park Dedication Fee - Residential Units		40	40	25	25	25	
Park Dedication Fee - Residential (\$3,415/unit)	\$ 222,925	\$ 136,600	\$ 136,600	\$ 85,375	\$ 85,375	\$ 85,375	\$ 752,250
less: Contribution to Comm Ctr Expan (50%)	-	(111,463)	(68,300)	(68,300)	(42,688)	(42,688)	(333,439)
Donation / Contribution - Kelsey Round Lake Park		76,000	-	-	-	-	76,000
Donation / Contribution - Lights at ASN	-	90,000	-	-	-	-	90,000
Capital Projects Levy - Park Improvements	15,000	15,000	15,000	15,000	15,000	15,000	90,000
<b>Total Revenues Available</b>	<b>237,925</b>	<b>206,137</b>	<b>83,300</b>	<b>32,075</b>	<b>57,687</b>	<b>57,687</b>	<b>674,811</b>
<b>Projected Commitments</b>							
Irrigation Project - Small	40,000						40,000
Kelsey Round Lake Park - Trail Expansion		175,000					175,000
Andover Station North east field lighting		180,000					180,000
Prairie Knoll Park - Pave north parking lot			170,000				170,000
Annual Miscellaneous Projects	15,000	15,000	15,000	15,000	15,000	15,000	90,000
<b>Total Commitments</b>	<b>55,000</b>	<b>370,000</b>	<b>185,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>655,000</b>
<b>Revenues Over (Under) Expenditures</b>	<b>182,925</b>	<b>(163,863)</b>	<b>(101,700)</b>	<b>17,075</b>	<b>42,687</b>	<b>42,687</b>	
Fund Balance as of December 31, 2018	158,707						
Fund Balance Brought Forward		341,632	177,769	76,069	93,144	135,831	
<b>Ending Fund Balance **</b>	<b>\$ 341,632</b>	<b>\$ 177,769</b>	<b>\$ 76,069</b>	<b>\$ 93,144</b>	<b>\$ 135,831</b>	<b>\$ 178,518</b>	

\*\*Target - \$50,000 to create a contingency for any project overages.

**Dedicated Funds Available for:**

Rose Park - tower rental fee	\$ 22,553
Chesterton Commons Park - Donation	1,076
	<u>\$ 23,629</u>

**CITY OF ANDOVER**  
**Trail Fund**  
**Projected Fund Balance**

	Estimate 2019	2020	2021	2022	2023	2024	TOTALS
<b>Projected Sources of Revenue</b>							
Trail Fee \$807 per unit platted units		40	40	25	25	25	
Trail Fee - \$870	\$ 57,500	\$ 34,800	\$ 34,800	\$ 21,750	\$ 21,750	\$ 21,750	\$ 192,350
Grant	-	117,550	-	-	-	-	117,550
Operating Transfer In	-	-	-	-	-	-	-
<b>Total Revenues Available</b>	<b>57,500</b>	<b>152,350</b>	<b>34,800</b>	<b>21,750</b>	<b>21,750</b>	<b>21,750</b>	<b>309,900</b>
<b>Projected Commitments</b>							
Railroad Underpass Trail	115,800	12,000		330,000			457,800
8' Boardwalk along Crosstown Blvd	465,000						465,000
10' Bituminous Trail Connection - Andover Station North		230,000					230,000
8' Bituminous Trail along Crosstown Blvd - Xeon St to railroad tracks				168,000			168,000
Railroad tracks to 157th Ave				304,000			304,000
157th Ave to 159th Ave				250,000			250,000
8' Bituminous Trail along Station Parkway - Thrush St to Partridge Cir					74,000		74,000
Partridge Cir to Hanson Blvd					185,000		185,000
8' Bituminous Trail along Verdin St - 161st Ave to 163rd Lane						675,000	675,000
<b>Total Commitments</b>	<b>580,800</b>	<b>242,000</b>	<b>-</b>	<b>1,052,000</b>	<b>259,000</b>	<b>675,000</b>	<b>\$ 2,808,800</b>
<b>Revenues Over (Under) Expenditures</b>	<b>(523,300)</b>	<b>(89,650)</b>	<b>34,800</b>	<b>(1,030,250)</b>	<b>(237,250)</b>	<b>(653,250)</b>	
Fund Balance as of December 31, 2018	509,126						
Fund Balance Brought Forward		(14,174)	(103,824)	(69,024)	(1,099,274)	(1,336,524)	
<b>Ending Fund Balance *</b>	<b>\$ (14,174)</b>	<b>\$ (103,824)</b>	<b>\$ (69,024)</b>	<b>\$ (1,099,274)</b>	<b>\$ (1,336,524)</b>	<b>\$ (1,989,774)</b>	

\*Target - 10% of current years commitments to create a contingency for any project overages.

\*\* It is anticipated that all projects will not be fully expended by the end of the year, and future projects will be contingent on additional revenues.

**CITY OF ANDOVER**  
**Capital Equipment Reserve Fund**  
**Projected Fund Balance**

	Estimate 2019	2020	2021	2022	2023	2024	TOTALS
<b>Projected Sources of Revenue</b>							
Capital Projects Levy	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 1,650,000
Donations / Contributions	-	-	-	-	-	-	-
Operating Transfers In - Cent Eq	-	-	45,000	-	-	-	45,000
Operating Transfers In - Storm Water EF	23,500	23,500	23,500	23,500	23,500	-	117,500
Operating Transfers In - CC Expan Reimb	157,839	-	-	-	-	-	157,839
<b>Total Revenues Available</b>	<b>456,339</b>	<b>298,500</b>	<b>343,500</b>	<b>298,500</b>	<b>298,500</b>	<b>275,000</b>	<b>1,970,339</b>
<b>Projected Commitments</b>							
Annual Parking Lot Maintenance	35,000						35,000
Replacement - Emergency Sirens			40,000	40,000	40,000	40,000	160,000
Emergency Operations Center Improvements	7,500	10,000	10,000				27,500
Replacement - Election Voting Booths	25,000						25,000
Building A - Seal Floor	25,000				30,000		55,000
Memorial - Veterans Memorial	10,000						10,000
Replacement - Small Extended Cab Truck #8	35,000						35,000
New - Emergency Siren Additions	55,000	55,000					110,000
New - Sign Message Board	18,000						18,000
Community Center Fieldhouse Floor Repair		134,634					134,634
Windows Server 2019 DataCenter Licenses		12,000					12,000
Aruba Switch Upgrade		10,000					10,000
Hills of Bunker West Park Trail Recon		70,000					70,000
Replacement - 800 MHz Radios		46,000	46,000	46,000	46,000	46,000	230,000
Replacement - Service Truck #371			45,000				45,000
Financial / Payroll System Upgrade / Replacement			225,000				225,000
New - Buffalo Turbine Tow-Behind Blower			8,000				8,000
Dalske Preserve Boardwalk					110,000		110,000
Pine Hills North Parking Lot	134,488						134,488
Natural Disaster Reserve	350,000						350,000
QCTV - Council Chambers	85,264						85,264
<b>Total Commitments</b>	<b>780,252</b>	<b>337,634</b>	<b>374,000</b>	<b>86,000</b>	<b>226,000</b>	<b>86,000</b>	<b>\$ 1,889,886</b>
<b>Revenues Over (Under) Expenditures</b>	<b>(323,913)</b>	<b>(39,134)</b>	<b>(30,500)</b>	<b>212,500</b>	<b>72,500</b>	<b>189,000</b>	
Fund Balance as of December 31, 2018	1,386,664						
Fund Balance Brought Forward		1,062,751	1,023,617	993,117	1,205,617	1,278,117	
<b>Ending Fund Balance</b>	<b>\$ 1,062,751</b>	<b>\$ 1,023,617</b>	<b>\$ 993,117</b>	<b>\$ 1,205,617</b>	<b>\$ 1,278,117</b>	<b>\$ 1,467,117</b>	

**CITY OF ANDOVER  
Building Fund  
Projected Fund Balance**

	Estimate 2019	2020	2021	2022	2023	2024	TOTALS
<b>Projected Sources of Revenue</b>							
Facility Maintenance Reserve Levy	\$ 355,000	\$ 355,000	\$ 355,000	\$ 355,000	\$ 355,000	\$ 355,000	\$ 2,130,000
Miscellaneous Revenues	-	-	-	-	-	-	-
Operating Transfers In	-	-	-	-	-	-	-
<b>Total Revenues Available</b>	<b>355,000</b>	<b>355,000</b>	<b>355,000</b>	<b>355,000</b>	<b>355,000</b>	<b>355,000</b>	<b>2,130,000</b>
<b>Projected Commitments</b>							
Replacement - Tube Heaters FS #2	25,000						25,000
Replacement - Roof PW	40,000						40,000
Replacement - Skylights CH	20,000						20,000
Replacement - Make Up Air Units FS #1	30,000						30,000
Demo Pole Barn	6,800						6,800
Annual Parking Lot Maintenance			39,000			44,000	83,000
Replacement - PW Parking Lot / Fuel Island Removal		250,000					250,000
Surface Seal all Brick Structures		48,000					48,000
Fence Around PW Yard		110,000					110,000
Comm Ctr Refrigeration Equipment Conversion		273,478					273,478
Replacement - Tube Heaters PW			80,000				80,000
Replacement - Tube Heaters FS #1			25,000				25,000
New - Diesel Exhaust Capturing System			45,000				45,000
Replacement - Ch Parking Lot / Garage Driveway				230,000			230,000
Replacement - Roof Top Package Unit PW				45,000			45,000
Replacement - FS #2 Parking Lot					150,000		150,000
Replacement - Emergency Generator FS #1					50,000		50,000
Replacement - Emergency Generator FS #2					35,000		35,000
Replacement - Emergency Generator FS #3					50,000		50,000
Replacement - Make Up Air Units / Exhaust Fan PW					125,000		125,000
Replacement - Carpet/Tile						30,000	30,000
Andover Station Outlet E - landscaping improvements	25,000						25,000
<b>Total Commitments</b>	<b>146,800</b>	<b>681,478</b>	<b>189,000</b>	<b>275,000</b>	<b>410,000</b>	<b>74,000</b>	<b>\$ 1,776,278</b>
<b>Revenues Over (Under) Expenditures</b>	<b>208,200</b>	<b>(326,478)</b>	<b>166,000</b>	<b>80,000</b>	<b>(55,000)</b>	<b>281,000</b>	
Fund Balance as of December 31, 2018	244,859						
Fund Balance Brought Forward		453,059	126,581	292,581	372,581	317,581	
<b>Ending Fund Balance</b>	<b>\$ 453,059</b>	<b>\$ 126,581</b>	<b>\$ 292,581</b>	<b>\$ 372,581</b>	<b>\$ 317,581</b>	<b>\$ 598,581</b>	

**CITY OF ANDOVER**  
**Water System Financial Projections**

Year	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Inflation Factor						3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Ave. Use (gal per user per qtr)	31,708	34,030	31,490	32,773	36,260	33,000	33,000	33,000	33,000	33,000	33,000
Acres Added							5	5	5	5	5
New Connections							10	10	10	10	10
New Customers							35	35	35	35	35
Residential Accounts	6,266	6,334	6,425	6,514	6,564						
Commercial/Institutional Accts	145	147	154	149	161						
Total Accounts	6,411	6,481	6,579	6,663	6,725	6,750	6,785	6,820	6,855	6,890	6,925
		1.09%	1.51%	1.28%	0.93%	0.37%					
<b>Rates</b>											
Base Rate	\$12.19	\$12.50	\$13.13	\$13.33	\$13.67	\$14.01	\$14.15	\$14.51	\$14.87	\$15.24	\$15.62
Use Rate	\$1.96	\$1.98	\$2.12	\$2.18	\$2.26	\$2.34	\$2.37	\$2.46	\$2.54	\$2.63	\$2.72
Connection Charge	\$4,131	\$4,296	\$4,647	\$4,833	\$5,026	\$5,227	\$5,332	\$5,545	\$5,767	\$5,997	\$6,237
Area Charge	\$3,786	\$3,937	\$4,258	\$4,428	\$4,605	\$4,789	\$4,885	\$5,080	\$5,284	\$5,495	\$5,715
Base Rate	0.0%	2.5%	5.0%	1.5%	2.6%	2.5%	1.0%	2.5%	2.5%	2.5%	2.5%
Use Rate	0.0%	1.0%	7.1%	2.8%	3.7%	3.5%	1.5%	3.5%	3.5%	3.5%	3.5%
Connection Charge	0.0%	4.0%	8.2%	4.0%	4.0%	4.0%	2.0%	4.0%	4.0%	4.0%	4.0%
Area Charge	0.0%	4.0%	8.2%	4.0%	4.0%	4.0%	2.0%	4.0%	4.0%	4.0%	4.0%

Enterprise Fund - Water Operations	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Cash flows from operating activities:											
Receipts from customers and users	\$ 2,178,391	\$ 2,741,777	\$ 2,536,035	\$ 2,555,019	\$ 3,167,024	\$ 2,534,341	\$ 2,616,769	\$ 2,718,466	\$ 2,824,074	\$ 2,933,743	\$ 3,047,627
Payment to suppliers	(745,176)	(825,038)	(897,109)	(811,931)	(830,244)	(1,022,540)	(1,020,140)	(1,050,744)	(1,082,267)	(1,114,735)	(1,148,177)
Payment to employees	(408,441)	(408,276)	(478,808)	(440,973)	(480,749)	(503,007)	(542,747)	(559,029)	(575,800)	(593,074)	(610,867)
Net from operating activities	1,024,774	1,508,463	1,160,118	1,302,115	1,856,031	1,008,794	1,053,882	1,108,693	1,166,008	1,225,934	1,288,584
Cash flows from noncapital financing activities:											
Intergovernmental revenue	-	-	2,681	-	-	-	-	-	-	-	-
Transfers in	20,737	58,249	85,096	54,228	114,850	58,110	59,740	88,008	13,605	14,149	14,715
Transfers out - Replacement Reserve	-	-	-	-	-	(300,000)	(300,000)	(300,000)	(300,000)	(300,000)	(300,000)
Transfers out - PW Expansion	-	-	-	-	-	(157,683)	(22,650)	(22,650)	(22,650)	(22,650)	(22,650)
Transfers out	(150,250)	(150,250)	(150,250)	(150,250)	(90,700)	(95,226)	(93,975)	(95,611)	(97,684)	(99,598)	(73,834)
Net from noncapital financing activities	(129,513)	(92,001)	(62,473)	(96,022)	24,150	(494,799)	(356,885)	(330,253)	(406,729)	(408,099)	(381,769)
Cash flows from capital and related financing activities:											
Acquisition of capital assets	-	(2,863)	(1,500)	(14,244)	(54,264)	(70,000)	-	(1,300,000)	-	-	-
Payment on debt	(828,807)	(831,486)	(831,992)	(4,734,403)	(776,843)	(781,980)	(786,500)	(780,492)	(784,042)	(782,152)	(86,806)
Receipt of bonds	-	-	4,006,006	-	-	-	-	-	-	-	-
Proceeds from the sale of capital assets	-	-	767	6,635	-	-	-	-	-	-	-
Net from capital and related financing activities	(828,807)	(834,349)	3,173,281	(4,742,012)	(831,107)	(851,980)	(786,500)	(2,080,492)	(784,042)	(782,152)	(86,806)
Cash flows from investing activities:											
Investment income	44,576	23,913	29,601	30,308	55,852	30,000	30,000	15,000	15,000	15,000	15,000
Net increase in cash and cash equivalents	111,030	606,026	4,300,527	(3,505,611)	1,104,926	(307,985)	(59,503)	(1,287,052)	(9,764)	50,683	835,009
Cash and cash equivalents - January 1	2,143,439	2,254,469	2,860,495	7,161,022	3,655,411	4,760,337	4,452,352	4,392,849	3,105,797	3,096,033	3,146,716
Cash and cash equivalents - December 31	\$ 2,254,469	\$ 2,860,495	\$ 7,161,022	\$ 3,655,411	\$ 4,760,337	\$ 4,452,352	\$ 4,392,849	\$ 3,105,797	\$ 3,096,033	\$ 3,146,716	\$ 3,981,725

**CITY OF ANDOVER**  
**Water System Financial Projections**

	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
<b>Capital Projects Fund - Water Trunk</b>											
<b>Revenues</b>											
Connection Charges	\$ 487,928	\$ 309,873	\$ 282,536	\$ 322,249	\$ 341,371	\$ 502,903	\$ 53,316	\$ 55,448	\$ 57,666	\$ 59,973	\$ 62,372
Area Charges	-	-	-	-	-	-	24,425	25,402	26,418	27,475	28,574
Interest	71,236	35,034	37,680	39,859	62,664	25,000	25,000	25,000	25,000	25,000	25,000
Special Assessment	37,274	42,342	448,039	409,286	166,435	96,150	50,000	50,000	50,000	50,000	50,000
Replacement Reserve	-	-	-	-	-	300,000	300,000	300,000	300,000	300,000	300,000
Xfer In	-	-	-	-	-	-	-	-	-	-	-
Total	596,438	387,249	768,255	771,394	570,470	924,053	452,741	455,850	459,084	462,448	465,946
<b>Expenses</b>											
Debt Service	-	-	-	-	-	-	-	-	-	-	-
Capital Outlay	183,920	112,150	650,516	103,515	289,691	995,000	200,000	1,495,000	60,000	60,000	65,000
Xfer Out	20,737	58,249	85,096	54,228	114,850	58,110	59,740	88,008	13,605	14,149	14,715
Total	204,657	170,399	735,612	157,743	404,541	1,053,110	259,740	1,583,008	73,605	74,149	79,715
Net Increase (Decrease) in Fund Balance	391,781	216,850	32,643	613,651	165,929	(129,057)	193,001	(1,127,158)	385,479	388,299	386,231
Fund Balance - January 1	2,245,932	2,637,713	2,854,563	2,887,206	3,500,857	3,666,786	3,537,729	3,730,730	2,603,572	2,989,051	3,377,350
Fund Balance - December 31	\$ 2,637,713	\$ 2,854,563	\$ 2,887,206	\$ 3,500,857	\$ 3,666,786	\$ 3,537,729	\$ 3,730,730	\$ 2,603,572	\$ 2,989,051	\$ 3,377,350	\$ 3,763,581
<b>Capital Projects</b>											
<b>Wells</b>											
Rehab Wells						50,000		30,000		55,000	
<b>Trunk</b>											
New Development Projects						45,000	50,000	55,000	60,000	60,000	65,000
Water Main Improvements						750,000		440,000			
Water Tower #2 Recondition & Repaint							150,000	1,000,000			
<b>Plant</b>											
Equipment						70,000					
Automated Meter Reading System								1,300,000			
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 915,000	\$ 200,000	\$ 2,825,000	\$ 60,000	\$ 115,000	\$ 65,000
Funded by Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ 1,330,000	\$ -	\$ 55,000	\$ -
Funded by Infrastructure/Trunk	-	-	-	-	-	795,000	200,000	1,495,000	60,000	60,000	65,000
Funded by debt	-	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 915,000	\$ 200,000	\$ 2,825,000	\$ 60,000	\$ 115,000	\$ 65,000
<b>Debt</b>											
Rate	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%
Term	10	10	10	10	10	10	10	15	15	15	15
AADS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cumulative DS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Current DS	\$ 828,806	\$ 831,487	\$ 833,101	\$ 4,734,403	\$ 776,843	\$ 781,980	\$ 786,500	\$ 780,492	\$ 784,042	\$ 782,152	\$ 86,806

**CITY OF ANDOVER**  
**Sanitary Sewer System Financial Projections**

Year	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Inflation Factor						3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Acres Added						5	5	5	5	5	5
New Connections						10	10	10	10	10	10
New Customers						35	35	35	35	35	35
Residential Accounts	7,177	7,238	7,331	7,419	7,474	-					
Commercial SACs	1,499	1,517	1,561	1,592	1,847	-					
Total Accounts	8,676	8,755	8,892	9,011	9,321	9,350	9,385	9,420	9,455	9,490	9,525
#DIV/0!		0.91%	1.56%	1.34%	3.44%	0.31%					
<b>Rates</b>											
Base Rate	\$59.37	\$59.37	\$59.37	\$61.15	\$61.15	\$61.15	\$61.15	\$62.98	\$64.87	\$66.82	\$68.82
Connection Charge	\$435	\$435	\$435	\$452	\$452	\$452	\$452	\$470	\$489	\$508	\$529
Area Charge	\$1,613	\$1,613	\$1,613	\$1,678	\$1,678	\$1,678	\$1,678	\$1,745	\$1,815	\$1,888	\$1,963
Base Rate		0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	3.0%	3.0%	3.0%	3.0%
Connection/Area		0.0%	0.0%	3.9%	0.0%	0.0%	0.0%	4.0%	4.0%	4.0%	4.0%
Area Charge		0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	4.0%	4.0%	4.0%	4.0%

Enterprise Fund - Sanitary Sewer Operations	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
<b>Cash flows from operating activities:</b>											
Receipts from customers and users	\$ 1,938,680	\$ 2,244,730	\$ 2,131,393	\$ 2,151,936	\$ 2,437,302	\$ 2,234,910	\$ 2,295,571	\$ 2,373,256	\$ 2,453,536	\$ 2,536,497	\$ 2,622,227
Payment to suppliers	(1,156,406)	(1,185,024)	(1,306,202)	(1,336,251)	(1,272,939)	(1,469,928)	(1,521,558)	(1,567,205)	(1,614,221)	(1,662,648)	(1,712,527)
Payment to employees	(295,075)	(320,710)	(303,820)	(304,918)	(335,110)	(379,000)	(406,517)	(418,713)	(431,274)	(444,212)	(457,538)
Net from operating activities	487,199	738,996	521,371	510,767	829,253	385,982	367,496	387,339	408,041	429,637	452,162
<b>Cash flows from noncapital financing activities:</b>											
Transfers out - Replacement Reserve	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)
Transfers out - PW Expansion	-	-	-	-	-	(157,683)	(22,650)	(22,650)	(22,650)	(22,650)	(22,650)
Transfers out	(46,680)	(46,680)	(46,680)	(46,680)	(70,012)	(73,957)	(77,123)	(79,437)	(81,820)	(84,274)	(86,803)
Net from noncapital financing activities	(446,680)	(446,680)	(446,680)	(446,680)	(470,012)	(631,640)	(499,773)	(502,087)	(504,470)	(506,924)	(509,453)
<b>Cash flows from capital and related financing activities:</b>											
Acquisition of capital assets	-	(81,749)	-	(227,221)	(9,864)	-	-	-	-	-	-
Proceeds from the sale of capital assets	-	-	1,425	20,710	-	-	-	-	-	-	-
Net from capital and related financing activities	-	(81,749)	1,425	(206,511)	(9,864)	-	-	-	-	-	-
<b>Cash flows from investing activities:</b>											
Investment income	68,423	31,306	32,181	29,285	45,583	30,000	30,000	30,000	30,000	30,000	30,000
Net increase in cash and cash equivalents	108,942	241,873	108,297	(113,139)	394,960	(215,658)	(102,277)	(84,748)	(66,429)	(47,287)	(27,291)
Cash and cash equivalents - January 1	2,674,455	2,783,397	3,025,270	3,133,567	3,020,428	3,415,388	3,199,730	3,097,453	3,012,705	2,946,276	2,898,989
Cash and cash equivalents - December 31	\$ 2,783,397	\$ 3,025,270	\$ 3,133,567	\$ 3,020,428	\$ 3,415,388	\$ 3,199,730	\$ 3,097,453	\$ 3,012,705	\$ 2,946,276	\$ 2,898,989	\$ 2,871,699

**CITY OF ANDOVER**  
**Sanitary Sewer System Financial Projections**

	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
<b>Capital Projects Fund - Sewer Trunk</b>											
<b>Revenues</b>											
Connection Charges	\$ 188,898	\$ 96,094	\$ 163,162	\$ 90,442	\$ 103,618	\$ 197,920	\$ 4,520	\$ 4,701	\$ 4,889	\$ 5,084	\$ 5,288
Area Charges	-	-	-	-	-	-	8,390	8,726	9,075	9,438	9,815
Interest	156,454	75,978	87,366	83,110	127,533	50,000	50,000	50,000	50,000	50,000	50,000
Special Assessment	13,219	27,195	28,138	31,329	74,233	20,000	20,000	20,000	20,000	20,000	20,000
Replacement Reserve	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000
Other	-	-	-	7,500	-	-	-	-	-	-	3,500,000
Total	758,571	599,267	678,666	612,381	705,384	667,920	482,910	483,426	483,963	484,522	3,985,103
<b>Expenses</b>											
Debt Service	-	-	-	-	-	-	-	-	-	-	-
Capital Outlay	134,943	59,130	205,935	270,363	241,567	1,135,000	215,000	125,000	125,000	130,000	3,635,000
Total	134,943	59,130	205,935	270,363	241,567	1,135,000	215,000	125,000	125,000	130,000	3,635,000
Net Increase (Decrease) in Fund Balance	623,628	540,137	472,731	342,018	463,817	(467,080)	267,910	358,426	358,963	354,522	350,103
Fund Balance - January 1	4,918,165	5,541,793	6,081,930	6,554,661	6,896,679	7,360,496	6,893,416	7,161,326	7,519,752	7,878,716	8,233,238
Fund Balance - December 31	\$ 5,541,793	\$ 6,081,930	\$ 6,554,661	\$ 6,896,679	\$ 7,360,496	\$ 6,893,416	\$ 7,161,326	\$ 7,519,752	\$ 7,878,716	\$ 8,233,238	\$ 8,583,341

<b>Capital Projects</b>											
<b>Infrastructure</b>											
New Development Projects						\$ 120,000	\$ 125,000	125,000	125,000	130,000	135,000
Aztec Estates Lift Station Upgrade							90,000				
Yellow Pine Lift Station						700,000					
Coon Creek Trunk Bypass						225,000					
Rural Reserve Trunk Sanitary Sewer											3,500,000
Equipment											
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,045,000	\$ 215,000	\$ 125,000	\$ 125,000	\$ 130,000	\$ 3,635,000
Funded by Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Funded by Infrastructure/Trunk	-	-	-	-	-	1,045,000	215,000	125,000	125,000	130,000	135,000
Funded by debt	-	-	-	-	-	-	-	-	-	-	3,500,000
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,045,000	\$ 215,000	\$ 125,000	\$ 125,000	\$ 130,000	\$ 3,635,000

<b>Debt</b>											
Rate	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%
Term	10	10	10	10	10	10	10	10	10	10	10
AADS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cumulative DS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Current DS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**CITY OF ANDOVER**  
**Storm Sewer System Financial Projections**

Year	Actual					Estimate	Forecast				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Inflation Factor							3.0%	3.0%	3.0%	3.0%	3.0%
New Customers							35	35	35	35	35
Residential - Urban / Rural (units)	9,697	9,749	9,867	9,938	9,959	10,025	10,060	10,095	10,130	10,165	10,200
Multiple Dwelling (acres)	232	235	220	220	222	222	222	222	222	222	222
Comm / Industrial (acres)	412	409	443	478	478	414	414	414	414	414	414
Schools / Churches (acres)	282	282	282	312	312	282	282	282	282	282	282
<b>Rates (Qtrly)</b>											
Residential - Urban / Rural - per unit	\$ 8.49	\$ 8.91	\$ 9.36	\$ 9.82	\$ 10.31	\$ 10.83	\$ 11.37	\$ 11.94	\$ 12.54	\$ 13.16	\$ 13.82
Multiple Dwelling - per acre	\$ 18.69	\$ 19.62	\$ 20.61	\$ 21.64	\$ 22.72	\$ 23.86	\$ 25.05	\$ 26.31	\$ 27.62	\$ 29.00	\$ 30.45
Comm / Industrial - per acre	\$ 36.07	\$ 37.87	\$ 39.76	\$ 41.75	\$ 43.84	\$ 46.03	\$ 48.33	\$ 50.75	\$ 53.29	\$ 55.95	\$ 58.75
Schools / Churches - per acre	\$ 16.97	\$ 17.82	\$ 18.71	\$ 19.65	\$ 20.63	\$ 21.66	\$ 22.74	\$ 23.88	\$ 25.07	\$ 26.33	\$ 27.64
Residential - Urban / Rural - per unit	5.0%	4.9%	5.1%	4.9%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Multiple Dwelling - per acre	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Comm / Industrial - per acre	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Schools / Churches - per acre	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Enterprise Fund - Storm Sewer Operations	Actual					Estimate	Forecast				
	2013	2014	2015	2016	2018	2019	2020	2021	2022	2023	2024
Cash flows from operating activities:											
Receipts from customers and users	\$ 376,260	\$ 462,208	\$ 451,961	\$ 469,707	\$ 546,457	\$ 529,693	\$ 556,251	\$ 585,652	\$ 616,602	\$ 649,182	\$ 683,480
Payment to suppliers	(412,240)	(155,178)	(108,000)	(156,064)	(116,329)	(229,096)	(231,938)	(238,896)	(246,063)	(253,445)	(261,048)
Payment to employees	(192,958)	(212,555)	(208,740)	(264,334)	(227,914)	(239,232)	(257,821)	(265,556)	(273,522)	(281,728)	(290,180)
Net from operating activities	(228,938)	94,475	135,221	49,309	202,214	61,365	66,492	81,200	97,016	114,010	132,252
Cash flows from noncapital financing activities:											
Transfers out	-	-	-	-	(41,346)	(108,168)	(43,090)	(43,678)	(69,283)	(46,407)	(47,049)
Cash flows from capital and related financing activities:											
Acquisition of capital assets	-	(2,863)	-	-	(9,864)	-	-	-	-	-	-
Proceeds from the sale of capital assets	-	-	-	5,510	-	-	-	-	-	-	-
Net from capital and related financing activities	-	(2,863)	-	5,510	(9,864)	-	-	-	-	-	-
Cash flows from investing activities:											
Investment income	2,970	708	2,080	2,603	5,511	1,000	1,000	1,000	1,000	1,000	1,000
Net increase in cash and cash equivalents	(225,968)	92,320	137,301	57,422	156,515	(45,803)	24,402	38,522	28,733	68,603	86,203
Cash and cash equivalents - January 1	251,681	25,713	118,033	255,334	312,756	469,271	423,468	447,869	486,391	515,124	583,726
Cash and cash equivalents - December 31	\$ 25,713	\$ 118,033	\$ 255,334	\$ 312,756	\$ 469,271	\$ 423,468	\$ 447,869	\$ 486,391	\$ 515,124	\$ 583,726	\$ 669,929

Capital Projects											
Infrastructure											
Storm Sewer Improvements						\$ 60,000	\$ 62,000	\$ 65,000	\$ 68,000	\$ 70,000	\$ 70,000
Equipment						-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 62,000	\$ 65,000	\$ 68,000	\$ 70,000	\$ 70,000
Funded by Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 62,000	\$ 65,000	\$ 68,000	\$ 70,000	\$ 70,000
Funded by Infrastructure/Trunk	-	-	-	-	-	-	-	-	-	-	-
Funded by debt	-	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 62,000	\$ 65,000	\$ 68,000	\$ 70,000	\$ 70,000