

2017-2021 Capital Improvement Plan



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CITY OF ANDOVER
2017 – 2021 Capital Improvement Plan

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TO: Mayor and Council Members
FROM: Jim Dickinson, City Administrator / Finance Director
SUBJECT: 2017 – 2021 Capital Improvement Plan
DATE: October 18, 2016

INTRODUCTION

On behalf of the City’s Management Team, I am pleased to present the City of Andover’s Capital Improvement Plan for years 2017 through 2021. 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.

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

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 2017 - 2021 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 2017 - 2021 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 2017 - 2021 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 2017 - 2021 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.

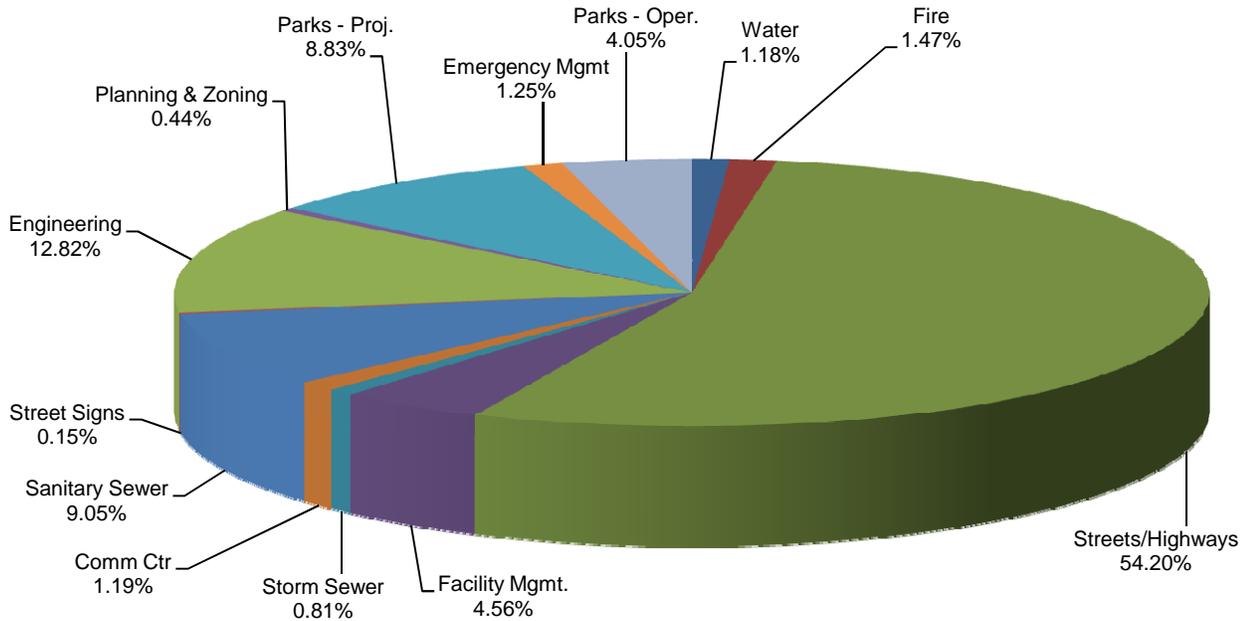
8. If Special Assessments would finance a portion of the projects costs, Council Holds a Special Assessment Hearing to review the following:

- 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

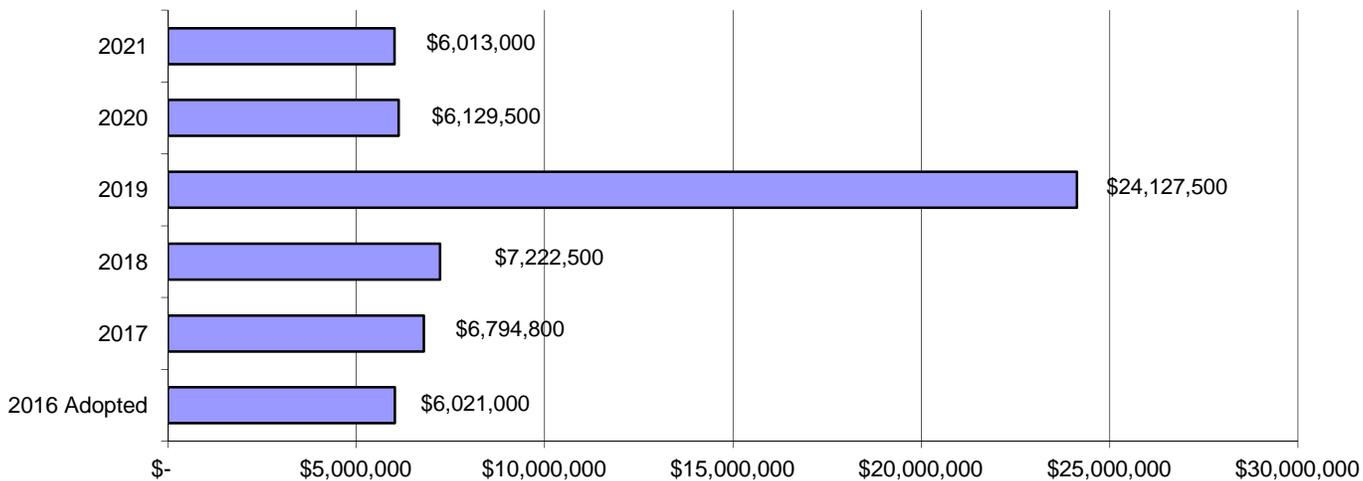
- A Council Resolution is drafted “Adopting Final Special Assessment Roll”(Engineering), and is adopted at this meeting.

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

CITY OF ANDOVER 2017 CIP Expenditures By Department



CITY OF ANDOVER 2017 CIP Expenditures By Year



City of Andover, MN

Capital Plan

2017 thru 2021

DEPARTMENT SUMMARY

Department	2017	2018	2019	2020	2021	Total
Building			35,000			35,000
Central Equipment		40,000				40,000
Community Center	81,000	248,000	7,879,000	589,000	268,000	9,065,000
Emergency Management	85,000	63,000	52,500	45,000		245,500
Engineering	871,000	569,500	607,000	1,088,000	809,000	3,944,500
Facility Management	310,000	580,000	9,025,000	115,000	40,000	10,070,000
Finance			150,000			150,000
Fire	100,000	190,000	510,000	635,000	55,000	1,490,000
Information Technology		12,000				12,000
Park & Rec - Operations	275,000	300,000	241,000	102,000	75,000	993,000
Park & Rec - Projects	599,800	35,000	35,000	457,500	15,000	1,142,300
Planning & Zoning	30,000					30,000
Sanitary Sewer	615,000	1,250,000				1,865,000
Storm Sewer	55,000	280,000	260,000	62,000	65,000	722,000
Street Signs	10,000					10,000
Streets / Highways	3,683,000	2,857,000	3,673,000	2,986,000	4,636,000	17,835,000
Water	80,000	798,000	1,660,000	50,000	50,000	2,638,000
TOTAL	6,794,800	7,222,500	24,127,500	6,129,500	6,013,000	50,287,300

City of Andover, MN

Capital Plan

2017 thru 2021

FUNDING SOURCE SUMMARY

Source	2017	2018	2019	2020	2021	Total
Assessments	657,000	880,500	1,140,000	388,000	332,000	3,397,500
Capital Equipment Reserve	885,000	205,000	277,500	438,000	75,000	1,880,500
Comm Ctr Operations	66,000	48,000	79,000	49,000	268,000	510,000
Construction Seal Coat Fund	17,000	8,000	10,000	10,000	10,000	55,000
Donations	100,000					100,000
Equipment Bond		688,500	1,111,000	1,082,000	220,000	3,101,500
G.O. Bond		650,000	16,750,000	537,000		17,937,000
General Fund	95,000	95,000	95,000	95,000	95,000	475,000
Grant			265,000		1,600,000	1,865,000
Municipal State Aid Funds	1,057,000	1,029,500	1,546,000	335,000	750,000	4,717,500
Park Dedication Funds	499,800	35,000	35,000	177,500	15,000	762,300
Road & Bridge Funds	2,048,000	1,590,000	1,644,000	1,996,000	1,953,000	9,231,000
Sanitary Sewer Fund	245,000	116,000				361,000
Sewer Trunk Fund	397,000	1,267,000	120,000	125,000	125,000	2,034,000
Storm Sewer Fund	55,000	76,000	60,000	62,000	65,000	318,000
Trail Funds	565,000	225,000		710,000	400,000	1,900,000
Water Fund	65,000	126,000	950,000	75,000	50,000	1,266,000
Water Trunk Fund	43,000	183,000	45,000	50,000	55,000	376,000
GRAND TOTAL	6,794,800	7,222,500	24,127,500	6,129,500	6,013,000	50,287,300

City of Andover, MN

Capital Plan

2017 thru 2021

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Building								
Replacement - Small Extended Cab Pick Up #8 <i>Equipment Bond</i>	19-42300-01	1			35,000			35,000
					<i>35,000</i>			<i>35,000</i>
Building Total						35,000		35,000
Central Equipment								
Replacement - Service Truck #371 <i>Equipment Bond</i>	18-48800-01	2		40,000				40,000
				<i>40,000</i>				<i>40,000</i>
Central Equipment Total						40,000		40,000
Community Center								
Exterior Painting <i>Comm Ctr Operations</i>	17-44000-01	1	6,000					6,000
			<i>6,000</i>					<i>6,000</i>
ACC/YMCA Expansion <i>Capital Equipment Reserve</i> <i>G.O. Bond</i>	17-44000-02	2	75,000	200,000	6,725,000			7,000,000
			<i>75,000</i>	<i>200,000</i>	<i>6,725,000</i>			<i>7,000,000</i>
Replacement - Carpeting <i>Comm Ctr Operations</i>	18-44000-01	1		18,000		12,000		30,000
				<i>18,000</i>		<i>12,000</i>		<i>30,000</i>
Replacement - Skate Sharpener <i>Comm Ctr Operations</i>	18-44200-01	1		10,000				10,000
				<i>10,000</i>				<i>10,000</i>
Replacement - Pickleball Inserts/Net System <i>Comm Ctr Operations</i>	18-44400-01	1		10,000				10,000
				<i>10,000</i>				<i>10,000</i>
New - Inflatables <i>Comm Ctr Operations</i>	18-44400-03	1		10,000				10,000
				<i>10,000</i>				<i>10,000</i>
Replacement - All Community Center Doors <i>G.O. Bond</i>	19-44000-02	1			75,000			75,000
					<i>75,000</i>			<i>75,000</i>
Refacing Rink Boards <i>Comm Ctr Operations</i>	19-44300-01	1			25,000			25,000
					<i>25,000</i>			<i>25,000</i>
Repaint Ice Arena ceiling <i>Comm Ctr Operations</i>	19-44300-02	1			25,000			25,000
					<i>25,000</i>			<i>25,000</i>
Replacement - Ice Arena Refrigeration Replacement <i>G.O. Bond</i>	19-44300-03	1			1,000,000			1,000,000
					<i>1,000,000</i>			<i>1,000,000</i>
Replacement - Heat Exchangers - Munters Unit <i>Comm Ctr Operations</i>	19-44300-04	1			15,000			15,000
					<i>15,000</i>			<i>15,000</i>
Replacement - Zamboni Battery Pack <i>Comm Ctr Operations</i>	19-44300-06	1			14,000			14,000
					<i>14,000</i>			<i>14,000</i>
Replacement - Scissor Lift <i>Equipment Bond</i>	20-44000-01	1				15,000		15,000
						<i>15,000</i>		<i>15,000</i>
Replacement - Lobby Furniture <i>Comm Ctr Operations</i>	20-44000-02	1				15,000		15,000
						<i>15,000</i>		<i>15,000</i>
Replacement - Roof <i>G.O. Bond</i>	20-44000-03	1				500,000		500,000
						<i>500,000</i>		<i>500,000</i>

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Replacement - Kaivac Cleaning System <i>Comm Ctr Operations</i>	20-44000-05	1				10,000		10,000
						10,000		10,000
Replacement - Camera/Security System <i>G.O. Bond</i>	20-44000-06	1				12,000		12,000
						12,000		12,000
Replacement - Zamboni Room Water Heater <i>G.O. Bond</i>	20-44300-02	1				25,000		25,000
						25,000		25,000
Replacement - Floor Scrubber <i>Comm Ctr Operations</i>	21-44000-01	1					15,000	15,000
							15,000	15,000
Repaint Field House Ceiling <i>Comm Ctr Operations</i>	21-44200-01	1					25,000	25,000
							25,000	25,000
Replacement - Munters Desiccant Wheel <i>Comm Ctr Operations</i>	21-44300-01	1					10,000	10,000
							10,000	10,000
Replacement - Electric Edger <i>Comm Ctr Operations</i>	21-44300-02	1					8,000	8,000
							8,000	8,000
Replacement - Evaporative Condenser <i>Comm Ctr Operations</i>	21-44300-03	1					60,000	60,000
							60,000	60,000
Replacement - Field House Floor <i>Comm Ctr Operations</i>	21-44400-02	1					150,000	150,000
							150,000	150,000
Community Center Total			81,000	248,000	7,879,000	589,000	268,000	9,065,000
Emergency Management								
Emergency Operations Center Improvement <i>Capital Equipment Reserve</i>	17-42400-01	1	40,000	18,000	7,500			65,500
			40,000	18,000	7,500			65,500
Replacement - Emergency Sirens <i>Capital Equipment Reserve</i>	17-42400-02	1	45,000	45,000	45,000	45,000		180,000
			45,000	45,000	45,000	45,000		180,000
Emergency Management Total			85,000	63,000	52,500	45,000		245,500
Engineering								
New Development Projects <i>Sewer Trunk Fund</i>	17-41600-01	1	160,000	160,000	165,000	175,000	180,000	840,000
<i>Water Trunk Fund</i>			117,000	117,000	120,000	125,000	125,000	604,000
			43,000	43,000	45,000	50,000	55,000	236,000
Pedestrian Trail Maintenance <i>Road & Bridge Funds</i>	17-41600-02	1	50,000	55,000	60,000	65,000	70,000	300,000
			50,000	55,000	60,000	65,000	70,000	300,000
New Pedestrian Trail and Sidewalk Segments <i>Grant</i>	17-41600-03	1	565,000	225,000	265,000	710,000	400,000	2,165,000
<i>Trail Funds</i>			565,000	225,000	265,000	710,000	400,000	1,900,000
Pedestrian Trail Reconstruction <i>Road & Bridge Funds</i>	17-41600-04	1	60,000	80,000	100,000	120,000	140,000	500,000
			60,000	80,000	100,000	120,000	140,000	500,000
Pedestrian Curb Ramp Replacements <i>Road & Bridge Funds</i>	17-41600-05	1	15,000	16,000	17,000	18,000	19,000	85,000
			15,000	16,000	17,000	18,000	19,000	85,000
LED Crosswalk Warning System <i>Road & Bridge Funds</i>	17-41600-06	1	21,000					21,000
			21,000					21,000
Replacement - Data Collector/Total Station <i>Equipment Bond</i>	18-41600-01	1		33,500				33,500
				33,500				33,500
Engineering Total			871,000	569,500	607,000	1,088,000	809,000	3,944,500
Facility Management								
Annual Parking Lot Maintenance <i>Capital Equipment Reserve</i>	17-41900-01	1	90,000	130,000	30,000	30,000	30,000	310,000
<i>Comm Ctr Operations</i>			30,000	130,000	30,000	30,000	30,000	250,000
			60,000					60,000
Replacement - Carpet / Tile <i>Capital Equipment Reserve</i>	17-41900-02	2	10,000		10,000		10,000	30,000
			10,000		10,000		10,000	30,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Replacement - Security Management System <i>Capital Equipment Reserve</i>	17-41900-03	1	100,000 <i>100,000</i>					100,000 <i>100,000</i>
Public Works Relocation / Expansion <i>Capital Equipment Reserve</i> <i>G.O. Bond</i>	17-41900-04	1	50,000 <i>50,000</i>	450,000 <i>450,000</i>	8,500,000 <i>8,500,000</i>			9,000,000 <i>50,000</i> <i>8,950,000</i>
HD Upgrade - City Hall Council Chambers <i>Capital Equipment Reserve</i>	17-41900-05	1	60,000 <i>60,000</i>					60,000 <i>60,000</i>
Building A - Seal Floor <i>Capital Equipment Reserve</i>	19-41900-01	1			25,000 <i>25,000</i>			25,000 <i>25,000</i>
Pedestrian Tunnel Under Crosstown Blvd. <i>G.O. Bond</i>	19-41900-05	1			450,000 <i>450,000</i>			450,000 <i>450,000</i>
Memorial - Veterans Memorial <i>Capital Equipment Reserve</i>	19-41900-06	1			10,000 <i>10,000</i>			10,000 <i>10,000</i>
Surface Seal all Brick Structures <i>Capital Equipment Reserve</i> <i>Comm Ctr Operations</i> <i>Water Fund</i>	20-41900-01	1				85,000 <i>48,000</i> <i>12,000</i> <i>25,000</i>		85,000 <i>48,000</i> <i>12,000</i> <i>25,000</i>
Facility Management Total			310,000	580,000	9,025,000	115,000	40,000	10,070,000

Finance

Financial / Payroll System Upgrade / Replacement <i>Capital Equipment Reserve</i>	19-41400-01	1			150,000 <i>150,000</i>			150,000 <i>150,000</i>
Finance Total					150,000			150,000

Fire

Replacement - Turnout Gear <i>General Fund</i>	17-42200-01	1	20,000 <i>20,000</i>	20,000 <i>20,000</i>	20,000 <i>20,000</i>	20,000 <i>20,000</i>	20,000 <i>20,000</i>	100,000 <i>100,000</i>
Replacement - Extrication (Rescue) Equipment <i>Capital Equipment Reserve</i>	17-42200-02	1	80,000 <i>80,000</i>					80,000 <i>80,000</i>
Replacement - Grass #31 <i>Equipment Bond</i>	18-42200-01	1		85,000 <i>85,000</i>				85,000 <i>85,000</i>
Replacement - Grass #21 <i>Equipment Bond</i>	18-42200-02	1		85,000 <i>85,000</i>				85,000 <i>85,000</i>
Replacement - Tanker #11 <i>Equipment Bond</i>	19-42200-01	1			400,000 <i>400,000</i>			400,000 <i>400,000</i>
Replacement - Grass Utility Vehicle (UTV) #4813 <i>Equipment Bond</i>	19-42200-03	1			45,000 <i>45,000</i>			45,000 <i>45,000</i>
Replacement - 1999 GMC Sonoma Truck (U-10) #4810 <i>Equipment Bond</i>	19-42200-05	2			45,000 <i>45,000</i>			45,000 <i>45,000</i>
Replacement - SCBA Compressors <i>Equipment Bond</i>	20-42200-01	1				130,000 <i>130,000</i>		130,000 <i>130,000</i>
Replacement - 800 MHz radios <i>Capital Equipment Reserve</i>	20-42200-02	1				35,000 <i>35,000</i>	35,000 <i>35,000</i>	70,000 <i>70,000</i>
Replacement - Engine 21 #4884 <i>Equipment Bond</i>	20-42200-03	1				450,000 <i>450,000</i>		450,000 <i>450,000</i>
Fire Total			100,000	190,000	510,000	635,000	55,000	1,490,000

Information Technology

Smartboard Addition <i>Capital Equipment Reserve</i>	18-41420-01	1		12,000 <i>12,000</i>				12,000 <i>12,000</i>
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Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Information Technology Total				12,000				12,000
Park & Rec - Operations								
Replace/Repair Play Structures - Various Parks <i>General Fund</i>	17-45000-01	1	50,000 <i>50,000</i>	50,000 <i>50,000</i>	50,000 <i>50,000</i>	50,000 <i>50,000</i>	50,000 <i>50,000</i>	250,000 <i>250,000</i>
Replace/Repair Major Park Projects - Various Parks <i>General Fund</i>	17-45000-02	1	25,000 <i>25,000</i>	25,000 <i>25,000</i>	25,000 <i>25,000</i>	25,000 <i>25,000</i>	25,000 <i>25,000</i>	125,000 <i>125,000</i>
Replacement - One Ton Crew Cab Pickup #502 <i>Capital Equipment Reserve</i>	17-45000-03	1	50,000 <i>50,000</i>					50,000 <i>50,000</i>
New - Trail Machine <i>Capital Equipment Reserve</i>	17-45000-04	1	150,000 <i>150,000</i>					150,000 <i>150,000</i>
Replacement - One Ton Truck w/ Plow #599 <i>Equipment Bond</i>	18-45000-01	1		80,000 <i>80,000</i>				80,000 <i>80,000</i>
New - Wood Chipper Tow-Behind <i>Equipment Bond</i>	18-45000-02	1		20,000 <i>20,000</i>				20,000 <i>20,000</i>
Replacement - Bobcat Track Loader #610 <i>Equipment Bond</i>	18-45000-03	1		55,000 <i>55,000</i>				55,000 <i>55,000</i>
Replacement - Small Extended Cab Truck #76 <i>Equipment Bond</i>	18-45000-04	1		55,000 <i>55,000</i>				55,000 <i>55,000</i>
New - "V" Snow Plow for #09-589 <i>Equipment Bond</i>	18-45000-05	1		15,000 <i>15,000</i>				15,000 <i>15,000</i>
Replacement - Water Tanker #161 <i>Equipment Bond</i>	19-45000-01	1			150,000 <i>150,000</i>			150,000 <i>150,000</i>
Replacement - Trailer #T-555 <i>Equipment Bond</i>	19-45000-02	1			16,000 <i>16,000</i>			16,000 <i>16,000</i>
Replacement - Cushman Field Dresser #547 <i>Equipment Bond</i>	20-45000-01	1				27,000 <i>27,000</i>		27,000 <i>27,000</i>
Park & Rec - Operations Total			275,000	300,000	241,000	102,000	75,000	993,000
Park & Rec - Projects								
Annual Miscellaneous Park Projects <i>Park Dedication Funds</i>	17-45001-01	1	15,000 <i>15,000</i>	15,000 <i>15,000</i>	15,000 <i>15,000</i>	15,000 <i>15,000</i>	15,000 <i>15,000</i>	75,000 <i>75,000</i>
Fox Meadows Park - Renovation <i>Park Dedication Funds</i>	17-45001-02	1	457,300 <i>457,300</i>					457,300 <i>457,300</i>
Pine Hills North - Phase II <i>Capital Equipment Reserve</i>	17-45001-03	1	100,000			400,000 <i>280,000</i>		500,000 <i>280,000</i>
<i>Donations</i>			100,000					100,000
<i>Park Dedication Funds</i>						120,000		120,000
Irrigation Projects - Small Parks <i>Park Dedication Funds</i>	17-45001-04	1	20,000 <i>20,000</i>	20,000 <i>20,000</i>	20,000 <i>20,000</i>			60,000 <i>60,000</i>
Nordeen's Park Basketball Court <i>Park Dedication Funds</i>	17-45001-05	1	7,500 <i>7,500</i>					7,500 <i>7,500</i>
Wild Iris Park Irrigation and Water Service <i>Park Dedication Funds</i>	19-45001-02	1				42,500 <i>42,500</i>		42,500 <i>42,500</i>
Park & Rec - Projects Total			599,800	35,000	35,000	457,500	15,000	1,142,300
Planning & Zoning								
Replacement - Planning Vehicle #7 <i>Capital Equipment Reserve</i>	17-41500-01	1	30,000 <i>30,000</i>					30,000 <i>30,000</i>
Planning & Zoning Total			30,000					30,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Sanitary Sewer								
Sanitary Sewer Extensions	17-48200-01	1	105,000	500,000				605,000
<i>Assessments</i>			105,000					105,000
<i>Sewer Trunk Fund</i>				500,000				500,000
Replacement - Jet/Vac Truck #99	17-48200-02	1	460,000					460,000
<i>Sanitary Sewer Fund</i>			230,000					230,000
<i>Sewer Trunk Fund</i>			230,000					230,000
Lift Station #4 Upgrade	17-48200-03	1	50,000					50,000
<i>Sewer Trunk Fund</i>			50,000					50,000
Yellow Pine Lift Station	18-48200-01	1		650,000				650,000
<i>Sewer Trunk Fund</i>				650,000				650,000
Replacement - One Ton Utility Truck #69	18-48200-02	1		100,000				100,000
<i>Sanitary Sewer Fund</i>				100,000				100,000
Sanitary Sewer Total			615,000	1,250,000				1,865,000
Storm Sewer								
Storm Sewer Improvements	17-48300-01	1	55,000	60,000	60,000	62,000	65,000	302,000
<i>Storm Sewer Fund</i>			55,000	60,000	60,000	62,000	65,000	302,000
Replacement - Tymco Street Sweeper #172	18-48300-01	1		220,000				220,000
<i>Equipment Bond</i>				220,000				220,000
Replacement - Elgin Street Sweeper #169	19-48300-01	1			200,000			200,000
<i>Equipment Bond</i>					200,000			200,000
Storm Sewer Total			55,000	280,000	260,000	62,000	65,000	722,000
Street Signs								
Sign Design Software and Plotter	17-43300-01	2	10,000					10,000
<i>Capital Equipment Reserve</i>			10,000					10,000
Street Signs Total			10,000					10,000
Streets / Highways								
Annual Street Seal Coat Project	17-43100-01	1	725,000	250,000	260,000	275,000	285,000	1,795,000
<i>Road & Bridge Funds</i>			725,000	250,000	260,000	275,000	285,000	1,795,000
Annual Street Crack Seal Project	17-43100-02	1	160,000	170,000	245,000	290,000	375,000	1,240,000
<i>Construction Seal Coat Fund</i>			17,000	8,000	10,000	10,000	10,000	55,000
<i>Road & Bridge Funds</i>			143,000	162,000	235,000	280,000	365,000	1,185,000
Annual Pavement Markings	17-43100-03	1	42,000	44,000	46,000	48,000	50,000	230,000
<i>Road & Bridge Funds</i>			42,000	44,000	46,000	48,000	50,000	230,000
Annual Curb Replacement	17-43100-04	1	50,000	52,000	54,000	56,000	58,000	270,000
<i>Road & Bridge Funds</i>			50,000	52,000	54,000	56,000	58,000	270,000
Municipal State Aid Routes / New & Reconstruct	17-43100-05	1	1,300,000	820,000	1,690,000	350,000	290,000	4,450,000
<i>Assessments</i>			243,000	75,500	144,000	15,000	15,000	492,500
<i>Municipal State Aid Funds</i>			1,057,000	744,500	1,546,000	335,000	275,000	3,957,500
Annual Street Reconstruction	17-43100-06	1	1,236,000	821,000	1,143,000	1,092,000	1,268,000	5,560,000
<i>Assessments</i>			309,000	205,000	286,000	273,000	317,000	1,390,000
<i>Road & Bridge Funds</i>			927,000	616,000	857,000	819,000	951,000	4,170,000
Intersection Upgrades	17-43100-07	1		285,000			2,075,000	2,360,000
<i>Grant</i>							1,600,000	1,600,000
<i>Municipal State Aid Funds</i>				285,000			475,000	760,000
Gravel Road Improvements	17-43100-08	1	15,000	15,000	15,000	15,000	15,000	75,000
<i>Road & Bridge Funds</i>			15,000	15,000	15,000	15,000	15,000	75,000
Replacement - One Ton Truck w/ Plow #134	17-43100-11	1	80,000					80,000
<i>Capital Equipment Reserve</i>			80,000					80,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
New - One Ton Truck w/ Regular Box w/ Lift & Plow <i>Capital Equipment Reserve</i>	17-43100-12	1	55,000 <i>55,000</i>					<i>55,000</i> 55,000
New - Bobcat paver <i>Capital Equipment Reserve</i>	17-43100-13	1	20,000 <i>20,000</i>					<i>20,000</i> 20,000
Street Overlays <i>Assessments</i> <i>Road & Bridge Funds</i>	18-43100-01	1		400,000 <i>100,000</i> <i>300,000</i>		400,000 <i>100,000</i> <i>300,000</i>		<i>800,000</i> 200,000 600,000
New - Dump Truck w/ snow removal <i>Equipment Bond</i>	19-43100-01	1			220,000 <i>220,000</i>			<i>220,000</i> 220,000
Replacement - Dump Truck w/ Snow removal #198 <i>Equipment Bond</i>	20-43100-01	1				220,000 <i>220,000</i>		<i>220,000</i> 220,000
Replacement - Bobcat S185 #120 <i>Equipment Bond</i>	20-43100-02	1				50,000 <i>50,000</i>		<i>50,000</i> 50,000
Replacement - One Ton Truck w/ Plow #133 <i>Equipment Bond</i>	20-43100-03	1				80,000 <i>80,000</i>		<i>80,000</i> 80,000
Replacement - Backhoe Loader #80 <i>Equipment Bond</i>	20-43100-04	2				110,000 <i>110,000</i>		<i>110,000</i> 110,000
Replacement - Dump Truck w/ Snow removal #200 <i>Equipment Bond</i>	21-43100-01	1					220,000 <i>220,000</i>	<i>220,000</i> 220,000
Streets / Highways Total			3,683,000	2,857,000	3,673,000	2,986,000	4,636,000	17,835,000
Water								
Rehabilitation of Wells <i>Water Fund</i>	17-48100-01	1	50,000 <i>50,000</i>	50,000 <i>50,000</i>	50,000 <i>50,000</i>	50,000 <i>50,000</i>	50,000 <i>50,000</i>	<i>250,000</i> 250,000
Replacement - Dodge Dakota #95 <i>Sanitary Sewer Fund</i> <i>Water Fund</i>	17-48100-02	1	30,000 <i>15,000</i> <i>15,000</i>					<i>30,000</i> 15,000 15,000
Replacement - 3/4 Ton Utility Truck #66 <i>Water Fund</i>	18-48100-02	1		60,000 <i>60,000</i>				<i>60,000</i> 60,000
Replacement - Side by Side UTV #70 <i>Sanitary Sewer Fund</i> <i>Storm Sewer Fund</i> <i>Water Fund</i>	18-48100-03	1		48,000 <i>16,000</i> <i>16,000</i> <i>16,000</i>				<i>48,000</i> 16,000 16,000 16,000
Water Main Improvements <i>Assessments</i> <i>Water Trunk Fund</i>	18-48100-04	1		640,000 <i>500,000</i> <i>140,000</i>	710,000 <i>710,000</i>			<i>1,350,000</i> 1,210,000 140,000
Water Meter Reading System AMI/AMR <i>Water Fund</i>	19-48100-01	2			900,000 <i>900,000</i>			<i>900,000</i> 900,000
Water Total			80,000	798,000	1,660,000	50,000	50,000	2,638,000
GRAND TOTAL			6,794,800	7,222,500	24,127,500	6,129,500	6,013,000	50,287,300

City of Andover, MN

Capital Plan

2017 thru 2021

DEPARTMENT SUMMARY

Department	2017	2018	2019	2020	2021	Total
Community Center	81,000	218,000	7,865,000	552,000	185,000	8,901,000
Emergency Management	40,000	18,000	7,500			65,500
Engineering	871,000	536,000	607,000	1,088,000	809,000	3,911,000
Facility Management	150,000	580,000	9,025,000	115,000	40,000	9,910,000
Park & Rec - Operations	75,000	75,000	75,000	75,000	75,000	375,000
Park & Rec - Projects	599,800	35,000	35,000	457,500	15,000	1,142,300
Sanitary Sewer	155,000	1,150,000				1,305,000
Storm Sewer	55,000	60,000	60,000	62,000	65,000	302,000
Streets / Highways	3,528,000	2,857,000	3,453,000	2,526,000	4,416,000	16,780,000
Water	50,000	690,000	760,000	50,000	50,000	1,600,000
TOTAL	5,604,800	6,219,000	21,887,500	4,925,500	5,655,000	44,291,800

City of Andover, MN

Capital Plan

2017 thru 2021

FUNDING SOURCE SUMMARY

Source	2017	2018	2019	2020	2021	Total
Assessments	657,000	880,500	1,140,000	388,000	332,000	3,397,500
Capital Equipment Reserve	205,000	148,000	82,500	358,000	40,000	833,500
Comm Ctr Operations	66,000	18,000	65,000	39,000	185,000	373,000
Construction Seal Coat Fund	17,000	8,000	10,000	10,000	10,000	55,000
Donations	100,000					100,000
G.O. Bond		650,000	16,750,000	525,000		17,925,000
General Fund	75,000	75,000	75,000	75,000	75,000	375,000
Grant			265,000		1,600,000	1,865,000
Municipal State Aid Funds	1,057,000	1,029,500	1,546,000	335,000	750,000	4,717,500
Park Dedication Funds	499,800	35,000	35,000	177,500	15,000	762,300
Road & Bridge Funds	2,048,000	1,590,000	1,644,000	1,996,000	1,953,000	9,231,000
Sewer Trunk Fund	167,000	1,267,000	120,000	125,000	125,000	1,804,000
Storm Sewer Fund	55,000	60,000	60,000	62,000	65,000	302,000
Trail Funds	565,000	225,000		710,000	400,000	1,900,000
Water Fund	50,000	50,000	50,000	75,000	50,000	275,000
Water Trunk Fund	43,000	183,000	45,000	50,000	55,000	376,000
GRAND TOTAL	5,604,800	6,219,000	21,887,500	4,925,500	5,655,000	44,291,800

City of Andover, MN

Capital Plan

2017 thru 2021

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Community Center								
Exterior Painting	17-44000-01	1	6,000					6,000
<i>Comm Ctr Operations</i>			6,000					6,000
ACC/YMCA Expansion	17-44000-02	2	75,000	200,000	6,725,000			7,000,000
<i>Capital Equipment Reserve</i>			75,000					75,000
<i>G.O. Bond</i>				200,000	6,725,000			6,925,000
Replacement - Carpeting	18-44000-01	1		18,000		12,000		30,000
<i>Comm Ctr Operations</i>				18,000		12,000		30,000
Replacement - All Community Center Doors	19-44000-02	1			75,000			75,000
<i>G.O. Bond</i>					75,000			75,000
Refacing Rink Boards	19-44300-01	1			25,000			25,000
<i>Comm Ctr Operations</i>					25,000			25,000
Repaint Ice Arena ceiling	19-44300-02	1			25,000			25,000
<i>Comm Ctr Operations</i>					25,000			25,000
Replacement - Ice Arena Refrigeration Replacement	19-44300-03	1			1,000,000			1,000,000
<i>G.O. Bond</i>					1,000,000			1,000,000
Replacement - Heat Exchangers - Munters Unit	19-44300-04	1			15,000			15,000
<i>Comm Ctr Operations</i>					15,000			15,000
Replacement - Lobby Furniture	20-44000-02	1				15,000		15,000
<i>Comm Ctr Operations</i>						15,000		15,000
Replacement - Roof	20-44000-03	1				500,000		500,000
<i>G.O. Bond</i>						500,000		500,000
Replacement - Zamboni Room Water Heater	20-44300-02	1				25,000		25,000
<i>G.O. Bond</i>						25,000		25,000
Repaint Field House Ceiling	21-44200-01	1					25,000	25,000
<i>Comm Ctr Operations</i>							25,000	25,000
Replacement - Munters Desiccant Wheel	21-44300-01	1					10,000	10,000
<i>Comm Ctr Operations</i>							10,000	10,000
Replacement - Field House Floor	21-44400-02	1					150,000	150,000
<i>Comm Ctr Operations</i>							150,000	150,000
Community Center Total			81,000	218,000	7,865,000	552,000	185,000	8,901,000
Emergency Management								
Emergency Operations Center Improvement	17-42400-01	1	40,000	18,000	7,500			65,500
<i>Capital Equipment Reserve</i>			40,000	18,000	7,500			65,500
Emergency Management Total			40,000	18,000	7,500			65,500
Engineering								
New Development Projects	17-41600-01	1	160,000	160,000	165,000	175,000	180,000	840,000
<i>Sewer Trunk Fund</i>			117,000	117,000	120,000	125,000	125,000	604,000
<i>Water Trunk Fund</i>			43,000	43,000	45,000	50,000	55,000	236,000
Pedestrian Trail Maintenance	17-41600-02	1	50,000	55,000	60,000	65,000	70,000	300,000
<i>Road & Bridge Funds</i>			50,000	55,000	60,000	65,000	70,000	300,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
New Pedestrian Trail and Sidewalk Segments	17-41600-03	1	565,000	225,000	265,000	710,000	400,000	2,165,000
<i>Grant</i>					265,000			265,000
<i>Trail Funds</i>			565,000	225,000		710,000	400,000	1,900,000
Pedestrian Trail Reconstruction	17-41600-04	1	60,000	80,000	100,000	120,000	140,000	500,000
<i>Road & Bridge Funds</i>			60,000	80,000	100,000	120,000	140,000	500,000
Pedestrian Curb Ramp Replacements	17-41600-05	1	15,000	16,000	17,000	18,000	19,000	85,000
<i>Road & Bridge Funds</i>			15,000	16,000	17,000	18,000	19,000	85,000
LED Crosswalk Warning System	17-41600-06	1	21,000					21,000
<i>Road & Bridge Funds</i>			21,000					21,000
Engineering Total			871,000	536,000	607,000	1,088,000	809,000	3,911,000

Facility Management

Annual Parking Lot Maintenance	17-41900-01	1	90,000	130,000	30,000	30,000	30,000	310,000
<i>Capital Equipment Reserve</i>			30,000	130,000	30,000	30,000	30,000	250,000
<i>Comm Ctr Operations</i>			60,000					60,000
Replacement - Carpet / Tile	17-41900-02	2	10,000		10,000		10,000	30,000
<i>Capital Equipment Reserve</i>			10,000		10,000		10,000	30,000
Public Works Relocation / Expansion	17-41900-04	1	50,000	450,000	8,500,000			9,000,000
<i>Capital Equipment Reserve</i>			50,000					50,000
<i>G.O. Bond</i>				450,000	8,500,000			8,950,000
Building A - Seal Floor	19-41900-01	1			25,000			25,000
<i>Capital Equipment Reserve</i>					25,000			25,000
Pedestrian Tunnel Under Crosstown Blvd.	19-41900-05	1			450,000			450,000
<i>G.O. Bond</i>					450,000			450,000
Memorial - Veterans Memorial	19-41900-06	1			10,000			10,000
<i>Capital Equipment Reserve</i>					10,000			10,000
Surface Seal all Brick Structures	20-41900-01	1				85,000		85,000
<i>Capital Equipment Reserve</i>						48,000		48,000
<i>Comm Ctr Operations</i>						12,000		12,000
<i>Water Fund</i>						25,000		25,000
Facility Management Total			150,000	580,000	9,025,000	115,000	40,000	9,910,000

Park & Rec - Operations

Replace/Repair Play Structures - Various Parks	17-45000-01	1	50,000	50,000	50,000	50,000	50,000	250,000
<i>General Fund</i>			50,000	50,000	50,000	50,000	50,000	250,000
Replace/Repair Major Park Projects - Various Parks	17-45000-02	1	25,000	25,000	25,000	25,000	25,000	125,000
<i>General Fund</i>			25,000	25,000	25,000	25,000	25,000	125,000
Park & Rec - Operations Total			75,000	75,000	75,000	75,000	75,000	375,000

Park & Rec - Projects

Annual Miscellaneous Park Projects	17-45001-01	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
Fox Meadows Park - Renovation	17-45001-02	1	457,300					457,300
<i>Park Dedication Funds</i>			457,300					457,300
Pine Hills North - Phase II	17-45001-03	1	100,000			400,000		500,000
<i>Capital Equipment Reserve</i>						280,000		280,000
<i>Donations</i>			100,000					100,000
<i>Park Dedication Funds</i>						120,000		120,000
Irrigation Projects - Small Parks	17-45001-04	1	20,000	20,000	20,000			60,000
<i>Park Dedication Funds</i>			20,000	20,000	20,000			60,000
Nordeen's Park Basketball Court	17-45001-05	1	7,500					7,500
<i>Park Dedication Funds</i>			7,500					7,500

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Wild Iris Park Irrigation and Water Service <i>Park Dedication Funds</i>	19-45001-02	1				42,500		42,500
						42,500		42,500
Park & Rec - Projects Total			599,800	35,000	35,000	457,500	15,000	1,142,300
Sanitary Sewer								
Sanitary Sewer Extensions <i>Assessments</i> <i>Sewer Trunk Fund</i>	17-48200-01	1	105,000	500,000				605,000
			105,000		500,000			105,000
								500,000
Lift Station #4 Upgrade <i>Sewer Trunk Fund</i>	17-48200-03	1	50,000					50,000
			50,000					50,000
Yellow Pine Lift Station <i>Sewer Trunk Fund</i>	18-48200-01	1		650,000				650,000
				650,000				650,000
Sanitary Sewer Total			155,000	1,150,000				1,305,000
Storm Sewer								
Storm Sewer Improvements <i>Storm Sewer Fund</i>	17-48300-01	1	55,000	60,000	60,000	62,000	65,000	302,000
			55,000	60,000	60,000	62,000	65,000	302,000
Storm Sewer Total			55,000	60,000	60,000	62,000	65,000	302,000
Streets / Highways								
Annual Street Seal Coat Project <i>Road & Bridge Funds</i>	17-43100-01	1	725,000	250,000	260,000	275,000	285,000	1,795,000
			725,000	250,000	260,000	275,000	285,000	1,795,000
Annual Street Crack Seal Project <i>Construction Seal Coat Fund</i> <i>Road & Bridge Funds</i>	17-43100-02	1	160,000	170,000	245,000	290,000	375,000	1,240,000
			17,000	8,000	10,000	10,000	10,000	55,000
			143,000	162,000	235,000	280,000	365,000	1,185,000
Annual Pavement Markings <i>Road & Bridge Funds</i>	17-43100-03	1	42,000	44,000	46,000	48,000	50,000	230,000
			42,000	44,000	46,000	48,000	50,000	230,000
Annual Curb Replacement <i>Road & Bridge Funds</i>	17-43100-04	1	50,000	52,000	54,000	56,000	58,000	270,000
			50,000	52,000	54,000	56,000	58,000	270,000
Municipal State Aid Routes / New & Reconstruct <i>Assessments</i> <i>Municipal State Aid Funds</i>	17-43100-05	1	1,300,000	820,000	1,690,000	350,000	290,000	4,450,000
			243,000	75,500	144,000	15,000	15,000	492,500
			1,057,000	744,500	1,546,000	335,000	275,000	3,957,500
Annual Street Reconstruction <i>Assessments</i> <i>Road & Bridge Funds</i>	17-43100-06	1	1,236,000	821,000	1,143,000	1,092,000	1,268,000	5,560,000
			309,000	205,000	286,000	273,000	317,000	1,390,000
			927,000	616,000	857,000	819,000	951,000	4,170,000
Intersection Upgrades <i>Grant</i> <i>Municipal State Aid Funds</i>	17-43100-07	1		285,000			2,075,000	2,360,000
				285,000			1,600,000	1,600,000
							475,000	760,000
Gravel Road Improvements <i>Road & Bridge Funds</i>	17-43100-08	1	15,000	15,000	15,000	15,000	15,000	75,000
			15,000	15,000	15,000	15,000	15,000	75,000
Street Overlays <i>Assessments</i> <i>Road & Bridge Funds</i>	18-43100-01	1		400,000		400,000		800,000
				100,000		100,000		200,000
				300,000		300,000		600,000
Streets / Highways Total			3,528,000	2,857,000	3,453,000	2,526,000	4,416,000	16,780,000
Water								
Rehabilitation of Wells <i>Water Fund</i>	17-48100-01	1	50,000	50,000	50,000	50,000	50,000	250,000
			50,000	50,000	50,000	50,000	50,000	250,000
Water Main Improvements <i>Assessments</i> <i>Water Trunk Fund</i>	18-48100-04	1		640,000	710,000			1,350,000
				500,000	710,000			1,210,000
				140,000				140,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
			50,000	690,000	760,000	50,000	50,000	<i>1,600,000</i>
Water Total								
GRAND TOTAL			5,604,800	6,219,000	21,887,500	4,925,500	5,655,000	<i>44,291,800</i>

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-44000-01
Project Name Exterior Painting



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

Description

Painting all the cables, pipes and supports at the front entrance areas on both the West and East side of the building.

Justification

After 12 years, the paint has begun to chip and flake away. A new paint job will insure a quality look as our customers make their way into the facility.

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance	6,000					6,000
Total	6,000					6,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations	6,000					6,000
Total	6,000					6,000

Budget Impact/Other

Less time spent in the entrance areas.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-44000-02
Project Name ACC/YMCA Expansion

Type Improvement
Useful Life 30 Years +
Category Equipment

Department Community Center
Contact Comm Ctr Manager
Priority 2 - Medium



Description

Expansion of the Community Center which may include a youth center, additional meeting rooms, office space, library services space, practice ice rink, storage, hockey training and multi-purpose space. The YMCA may look into additional studio space as well as "flex space" and offices. 2017 and 2018 includes a study to determine what type of space is needed, a preliminary design, a high-level cost estimation and other necessary information needed to make a decision on whether to move forward with construction.

Justification

After 12 years in operation, the city is exploring an expansion to the Community Center to accommodate additional users and address some of the issues that staff currently face.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	75,000	200,000				275,000
Construction			6,725,000			6,725,000
Total	75,000	200,000	6,725,000			7,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	75,000					75,000
G.O. Bond		200,000	6,725,000			6,925,000
Total	75,000	200,000	6,725,000			7,000,000

Budget Impact/Other

Additional \$7,000,000 in debt service; additional lease revenue from YMCA.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-44000-01
Project Name Replacement - Carpeting

Type Improvement
Useful Life 5 years
Category Improvements

Department Community Center
Contact Comm Ctr Manager
Priority 1 - High



Description

Replacement of carpet in offices and field house entrance.

2018 - Offices

2020 - Fieldhouse Entrance

Justification

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

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance		18,000		12,000		30,000
Total		18,000		12,000		30,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations		18,000		12,000		30,000
Total		18,000		12,000		30,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-44000-02
Project Name Replacement - All Community Center Doors



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

Description

Replace all steel and wooden doors within the facility.

Justification

After 12+ years, all the doors are showing wear and tear and in need of replacement.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment			75,000			75,000
Total			75,000			75,000

Funding Sources	2017	2018	2019	2020	2021	Total
G.O. Bond			75,000			75,000
Total			75,000			75,000

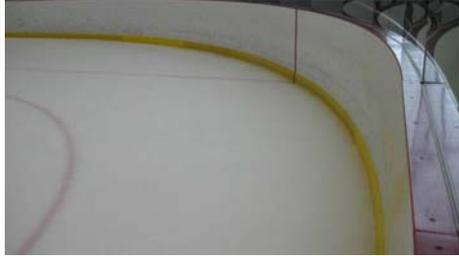
Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-44300-01
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.

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance			25,000			25,000
Total			25,000			25,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations			25,000			25,000
Total			25,000			25,000

Budget Impact/Other

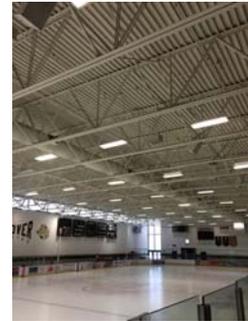
There will be less maintenance initially; but as they age, the maintenance will increase as well.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-44300-02
Project Name Repaint Ice Arena ceiling



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

Description

Repaint the ice arena ceiling.

Justification

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

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance			25,000			25,000
Total			25,000			25,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations			25,000			25,000
Total			25,000			25,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-44300-04
Project Name Replacement - Heat Exchangers - Munters Unit



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

Description

Replacement of the heat exchangers in the Munters unit that heats the ice arena.

Justification

After 12 years, the heat exchangers that provide the heating to the ice arena will need to be replaced.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment			15,000			15,000
Total			15,000			15,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations			15,000			15,000
Total			15,000			15,000

Budget Impact/Other

Overall cost of the heat exchangers will be offset by better technologies and efficiencies with less maintenance costs upfront.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-44000-02
Project Name Replacement - Lobby Furniture



Type Improvement **Department** Community Center
Useful Life 15 Years **Contact** Comm Ctr Manager
Category Improvements **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	2017	2018	2019	2020	2021	Total
Office Equipment/Furniture				15,000		15,000
Total				15,000		15,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations				15,000		15,000
Total				15,000		15,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-44000-03
Project Name Replacement - Roof



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

Description

Full roof replacement (rubber membrane).

Justification

After 15+ years, the rubber roof membrane will need to be replaced.

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance				500,000		500,000
Total				500,000		500,000

Funding Sources	2017	2018	2019	2020	2021	Total
G.O. Bond				500,000		500,000
Total				500,000		500,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-44300-02
Project Name Replacement - Zamboni Room Water Heater



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

Description

Replace the water heater that provides hot water to the Zamboni room.

Justification

After 12+ years, the water heater within the Zamboni room will need to be replaced.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment				25,000		25,000
Total				25,000		25,000

Funding Sources	2017	2018	2019	2020	2021	Total
G.O. Bond				25,000		25,000
Total				25,000		25,000

Budget Impact/Other

Overall cost of the new hot water heater will keep maintenance costs down and provide better efficiencies.

Capital Plan

2017 *thru* 2021

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

Repainting the field house ceiling.

Justification

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

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance					25,000	25,000
Total	<hr/>				25,000	25,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations					25,000	25,000
Total	<hr/>				25,000	25,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 21-44300-01
Project Name Replacement - Munters Desiccant Wheel



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

Description

Replace the desiccant wheel in the Munters unit that provides the dehumidification to the ice arena. The wheel is the part of the system that draws the moisture out.

Justification

After 15+ years, the desiccant wheel that provides the dehumidification to the ice arena will need to be replaced.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment					10,000	10,000
Total					10,000	10,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations					10,000	10,000
Total					10,000	10,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 21-44400-02
Project Name Replacement - Field House Floor



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

Description

Replace the floor in the field house.

Justification

Over the last 15+ years, the floor has hosted many different types of events. The overall finish of the floor is wearing off along with the cracking and chipping that warrants a replacement.

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance					150,000	150,000
Total					150,000	150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations					150,000	150,000
Total					150,000	150,000

Budget Impact/Other

A new floor will insure a safe place for all our users and events. It will give us an opportunity to restripe the floor with better consideration given to our user base. There will also be some upfront savings on maintenance costs with a new floor.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project #	17-42400-01
Project Name	Emergency Operations Center Improvement

Type	Improvement	Department	Emergency Management
Useful Life	15 Years	Contact	Fire Chief
Category	Improvements	Priority	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.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	25,000					25,000
Office Equipment/Furniture		10,000	7,500			17,500
Technology Improvements	15,000	8,000				23,000
Total	40,000	18,000	7,500			65,500

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	40,000	18,000	7,500			65,500
Total	40,000	18,000	7,500			65,500

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

2017 *thru* 2021

City of Andover, MN

Project # 17-41600-02
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. A 5-year capital improvement plan was prepared for the City to identify and prioritize the necessary repairs.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	50,000	55,000	60,000	65,000	70,000	300,000
Total	50,000	55,000	60,000	65,000	70,000	300,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	50,000	55,000	60,000	65,000	70,000	300,000
Total	50,000	55,000	60,000	65,000	70,000	300,000

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

2017 *thru* 2021

City of Andover, MN

Project # 17-41600-03
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:

- 2017: 8' Bit. Trail and Boardwalk along Crosstown Blvd - Bunker Lake Blvd to 140th Ave (\$565,000)
- 2018: 8' Bit. Trail along Andover Blvd - Bluebird St to Vale Street (\$225,000)
- 2019: 10' Bit. Trail from Kensington Estates 7th Addition to Andover Station North (\$265,000 - Grant)
- 2020: 8' Bit. Trail along Crosstown Blvd - Xeon Street to Rail Road Tracks (\$165,000)
- 8' Bit. Trail along Crosstown Blvd - Rail Road Tracks to 157th Ave (\$300,000)
- 8' Bit Trail along Crosstown Blvd - 157th Ave to 159th Ave (\$245,000)
- 2021: 8' Bit Trail and Boardwalk along Verdin Street - 161st Ave to 163rd Lane (\$400,000)

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	2017	2018	2019	2020	2021	Total
Improvement	565,000	225,000	265,000	710,000	400,000	2,165,000
Total	565,000	225,000	265,000	710,000	400,000	2,165,000

Funding Sources	2017	2018	2019	2020	2021	Total
Grant			265,000			265,000
Trail Funds	565,000	225,000		710,000	400,000	1,900,000
Total	565,000	225,000	265,000	710,000	400,000	2,165,000

Budget Impact/Other

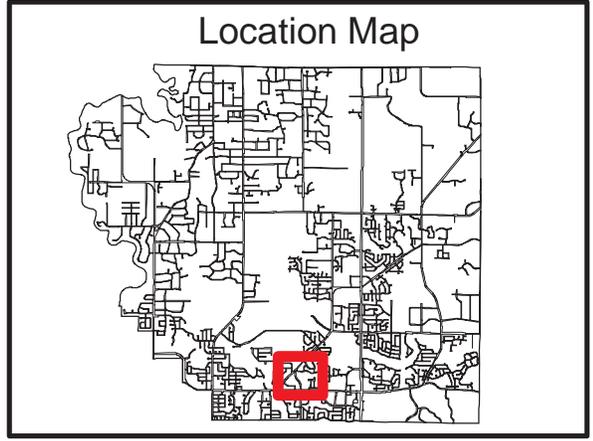
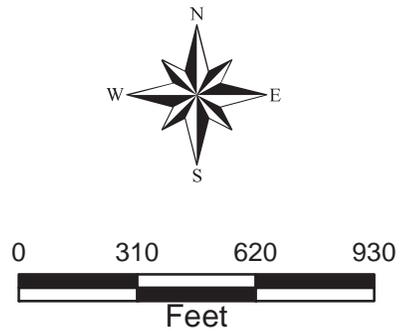
Annual inspection and sweeping; and general maintenance including bituminous patching, crack filling and fog sealing to maintain the high level of service to pedestrians.

Project Name: TRAIL IMPROVEMENTS
CROSTOWN BOULEVARD TRAIL - EAST SIDE



LEGEND

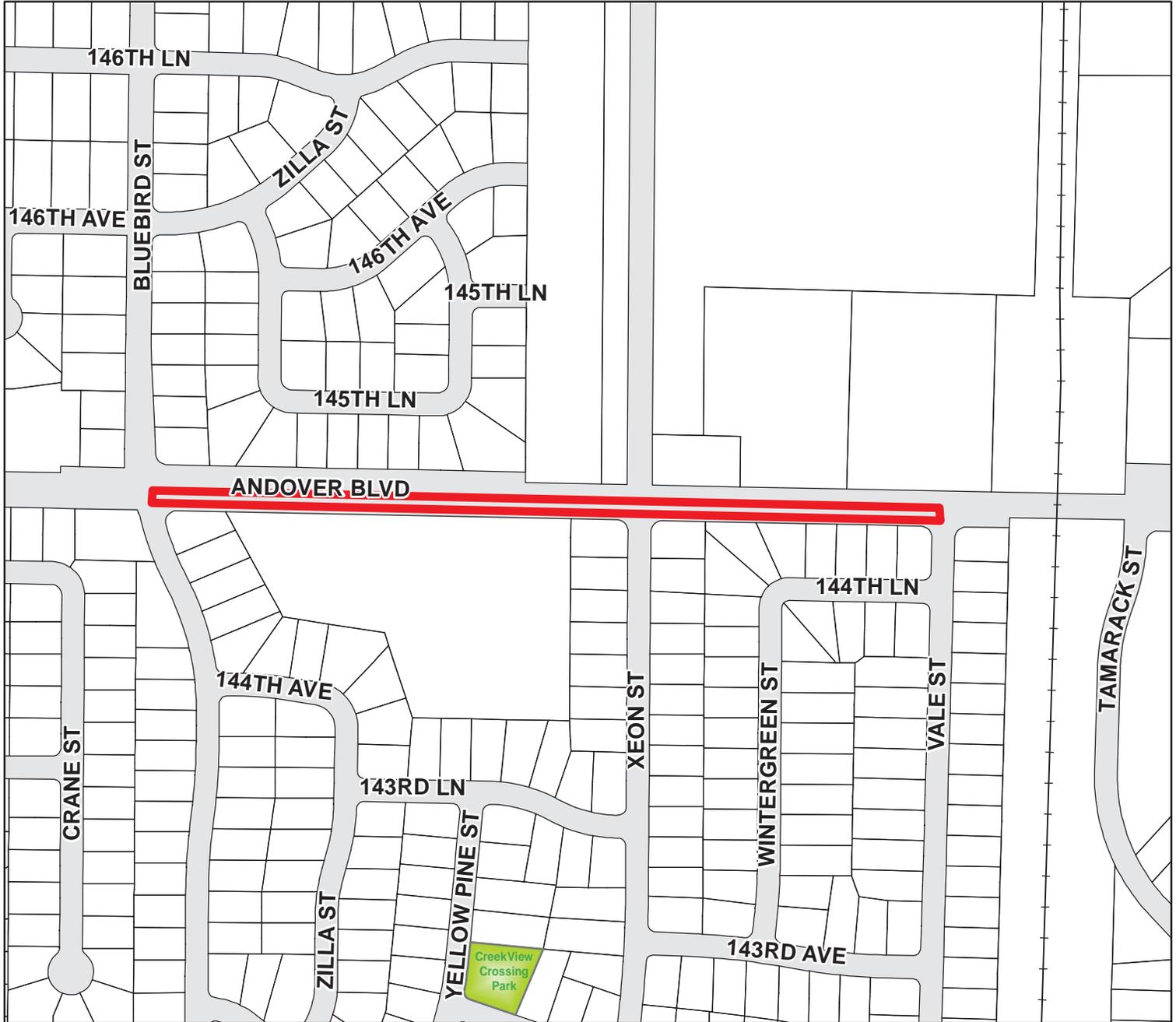
-  Project Location
-  Lots/Parcels
-  Park
-  Water
-  Right of Way
-  City Limits





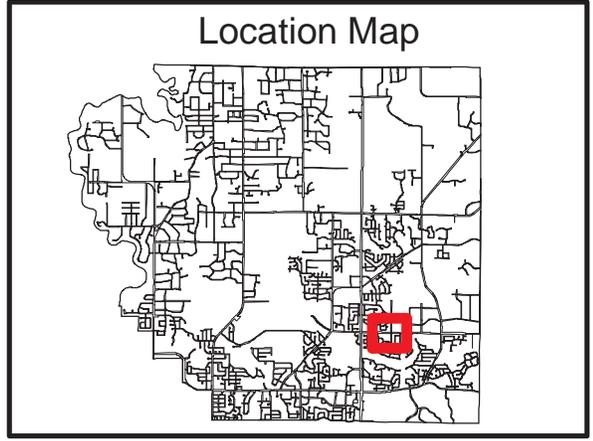
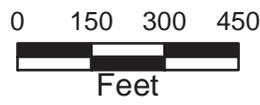
Capital Improvement Plan (2018)

Project Name: TRAIL IMPROVEMENTS
ANDOVER BLVD FROM BLUEBIRD ST TO VALE ST

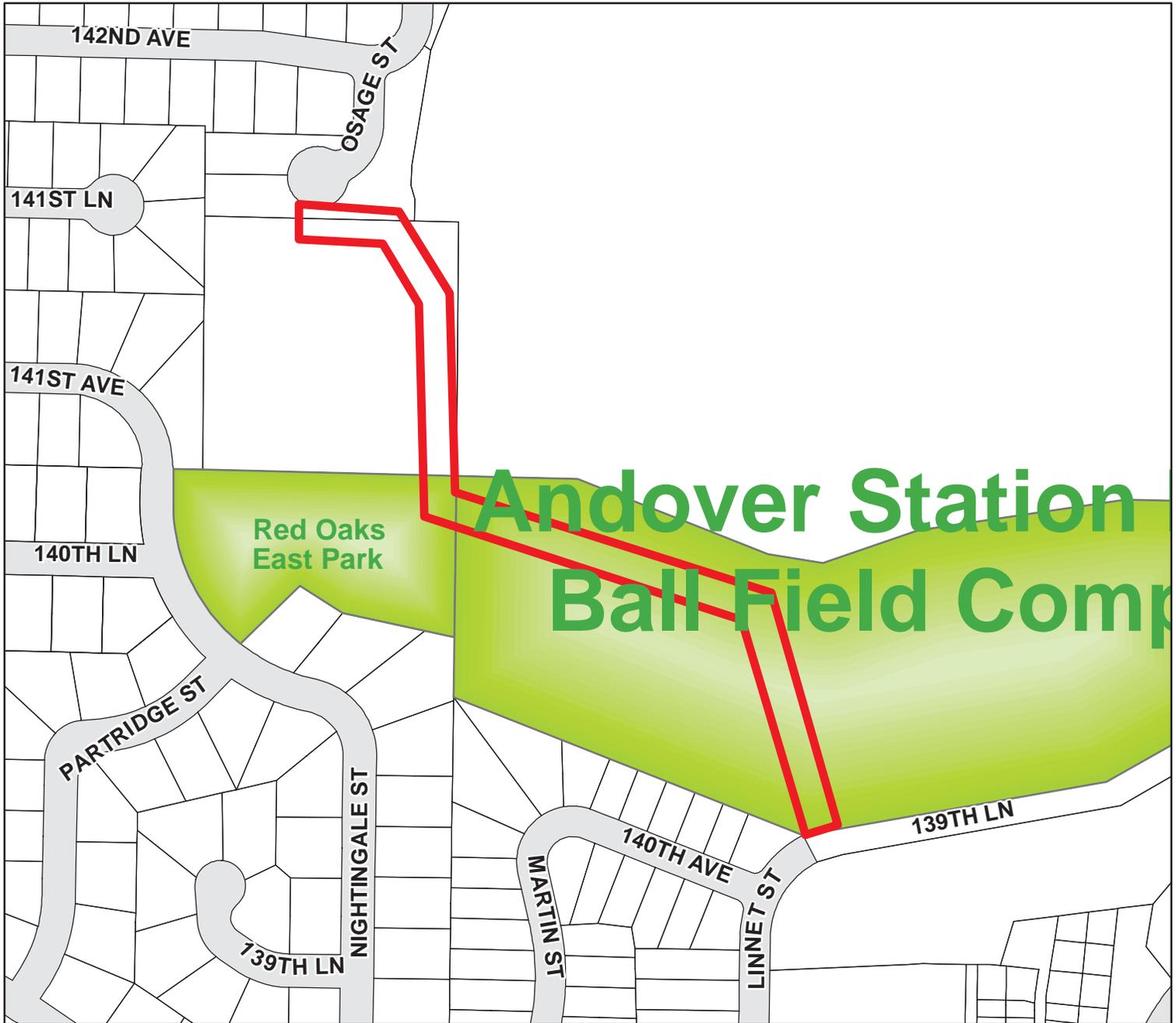


LEGEND

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



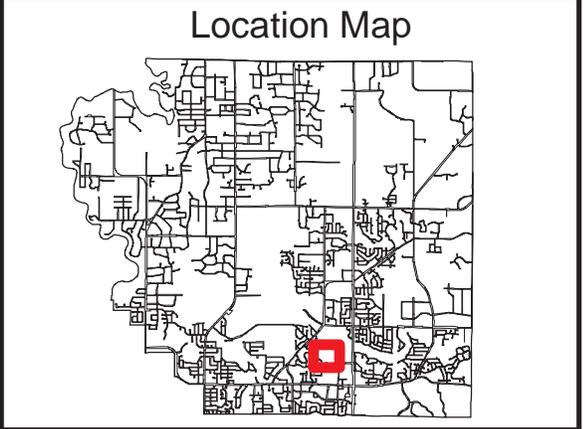
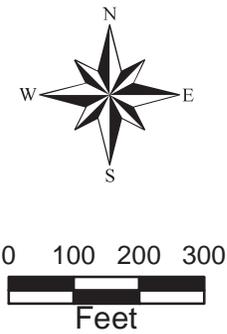
Project Name: TRAIL IMPROVEMENTS
 KENSINGTON ESTATES 7TH ADD TO ANDOVER STATION NORTH



**Andover Station
 Ball Field Comp**

LEGEND

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





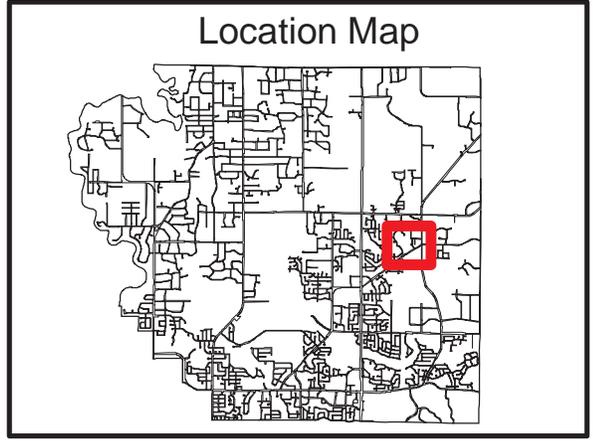
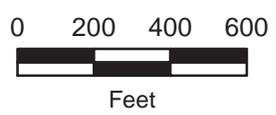
Capital Improvement Plan (2020)

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



LEGEND

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





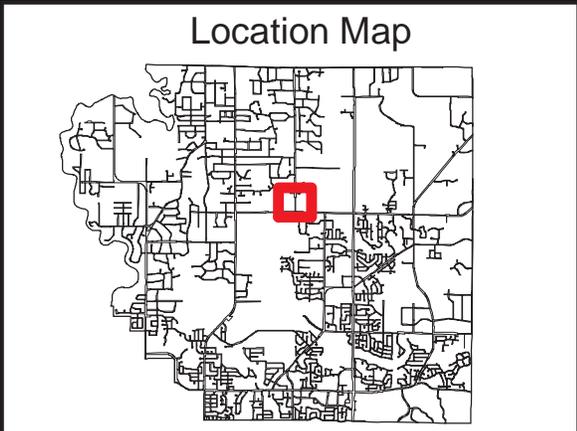
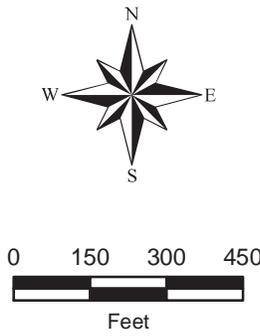
Capital Improvement Plan (2021)

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

2017 *thru* 2021

City of Andover, MN

Project # 17-41600-04
Project Name Pedestrian Trail Reconstruction



Type Improvement
Useful Life 25 Years
Category Improvements
Department Engineering
Contact DPW / City Engineer
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.

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.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	60,000	80,000	100,000	120,000	140,000	500,000
Total	60,000	80,000	100,000	120,000	140,000	500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	60,000	80,000	100,000	120,000	140,000	500,000
Total	60,000	80,000	100,000	120,000	140,000	500,000

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.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-41600-05
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 bring our trail and sidewalk system into compliance by replacing multiple ramps each year.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	15,000	16,000	17,000	18,000	19,000	85,000
Total	15,000	16,000	17,000	18,000	19,000	85,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	15,000	16,000	17,000	18,000	19,000	85,000
Total	15,000	16,000	17,000	18,000	19,000	85,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-41600-06
Project Name LED Crosswalk Warning System

Type Improvement
Useful Life 15 Years
Category Improvements
Department Engineering
Contact DPW / City Engineer
Priority 1 - High



Description

A solar powered Rectangular Rapid Flash Beacon LED Crosswalk Warning System will be constructed on Crosstown Blvd at 149th Ave to enhance the awareness of the pedestrian crossing that currently exists.

Justification

There has been concern at this intersection that a pedestrian crossing exists but motorists frequently do not stop for pedestrians. This warning system will enhance the visibility of the crossing when the push button is activated.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	21,000					21,000
Total	21,000					21,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	21,000					21,000
Total	21,000					21,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-41900-01
Project Name Annual Parking Lot Maintenance



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

Description

Yearly maintenance of the City parking lots is necessary to extend their useful lives. 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.

In 2016, the Community Center was crack sealed and will be fog sealed in 2017. The parking lot at fire station #1 will have a complete reconstruction in 2018.

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.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	90,000	130,000	30,000	30,000	30,000	310,000
Total	90,000	130,000	30,000	30,000	30,000	310,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	30,000	130,000	30,000	30,000	30,000	250,000
Comm Ctr Operations	60,000					60,000
Total	90,000	130,000	30,000	30,000	30,000	310,000

Budget Impact/Other

Maintaining the parking lots will result in less annual maintenance for public works and prolong the life of the pavements.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-41900-02
Project Name Replacement - Carpet / Tile



Type Improvement
Useful Life 10 Years
Category Improvements
Department Facility Management
Contact DPW / City Engineer
Priority 2 - Medium

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.

Expenditures	2017	2018	2019	2020	2021	Total
Facility Maintenance	10,000		10,000		10,000	30,000
Total	10,000		10,000		10,000	30,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	10,000		10,000		10,000	30,000
Total	10,000		10,000		10,000	30,000

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 tile areas will need to be replaced.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project #	17-41900-04
Project Name	Public Works Relocation / Expansion

Type	Improvement	Department	Facility Management
Useful Life	30 Years +	Contact	DPW / City Engineer
Category	Facility Management	Priority	1 - High

Description

Construction of a new Public Works facility as identified in the approved City Campus Expansion Master Plan.

Phase I - Construct a new Vehicle Maintenance Shop, including a wash bay, cold storage building and fuel island/canopy. 2017 and 2018 includes a study to determine what type of space is needed, a preliminary design, a high-level cost estimation and other necessary information needed to make a decision on whether to move forward with construction.

Phase II - Construct a new Public Works Building, including office space and heated storage garage. The start date has not been determined.

Justification

Due to the increase of vehicles, equipment and supplies now used by the City of Andover, this vehicle storage building and vehicle maintenance repair shop is badly needed. It is not cost effective to have vehicles or other equipment stored outside. Minnesota's four seasons are way too hard on them and it makes for a much cleaner operation. The vehicle maintenance repair shop has been needed for a long time. The area now used has doors that are not wide enough and the work areas for the hydraulic hoist are way too small. Also with the amount of equipment now maintained by our staff, the area is much too small to run a completely safe operation.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	50,000	450,000				500,000
Improvement			8,500,000			8,500,000
Total	50,000	450,000	8,500,000			9,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	50,000					50,000
G.O. Bond		450,000	8,500,000			8,950,000
Total	50,000	450,000	8,500,000			9,000,000

Budget Impact/Other

This will impact the life of the vehicles and other equipment by being stored inside and to house our vehicle maintenance mechanics. Over the years, the cost savings have been shown when the proper maintenance of our equipment can be implemented. This building will provide a safe, productive, and healthy operational area for City employees that will benefit the City of Andover for many years.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-41900-01
Project Name Building A - Seal Floor



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

Description

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

Justification

The cement floor in Building A spalds due to daily traffic and salt. Sealing of 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	2017	2018	2019	2020	2021	Total
Facility Maintenance			25,000			25,000
Total			25,000			25,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve			25,000			25,000
Total			25,000			25,000

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

2017 *thru* 2021

City of Andover, MN

Project # 19-41900-06
Project Name Memorial - Veterans Memorial

Type Improvement
Useful Life 20 Years
Category Improvements

Department Facility Management
Contact DPW / City Engineer
Priority 1 - High



Description

A memorial to honor Andover veterans.

Justification

The City would like to construct a memorial to honor Andover veterans.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement			10,000			10,000
Total			10,000			10,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve			10,000			10,000
Total			10,000			10,000

Budget Impact/Other

An increase in annual maintenance.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-41900-01
Project Name Surface Seal all Brick Structures



Type Improvement **Department** Facility Management
Useful Life 5 years **Contact** DPW / City Engineer
Category Facility Management **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	2017	2018	2019	2020	2021	Total
Facility Maintenance				85,000		85,000
Total				85,000		85,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve				48,000		48,000
Comm Ctr Operations				12,000		12,000
Water Fund				25,000		25,000
Total				85,000		85,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-45000-01
Project Name Replace/Repair Play Structures - Various Parks



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

Description

Repair to fall zones and achieve ADA accessibility. Replacement of playground equipment and other major replacements, such as short fences on ball fields, soccer goals, and any area of play that does not meet safety specifications. The proposed rebuilds are as follows:
 2017 - Chesterton Commons
 2018 - Shadowbrook East
 2019 - Pine Hills South
 2020 - Terrace Park
 2021 - Strootman 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	2017	2018	2019	2020	2021	Total
Equipment	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Budget Impact/Other

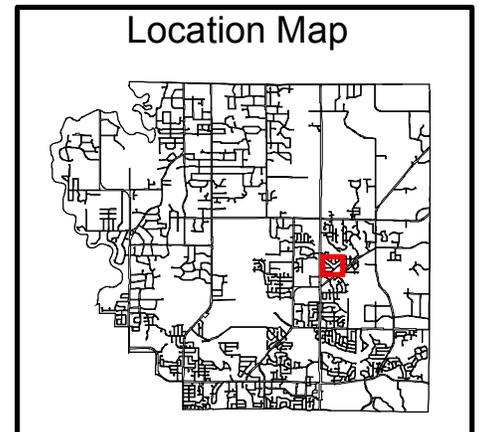
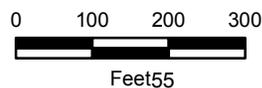
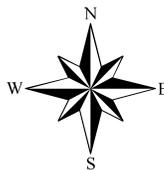
Less maintenance and will meet all safety requirements.

Project Name: REPLACE/REPAIR PLAY STRUCTURES
CHESTERTON COMMONS

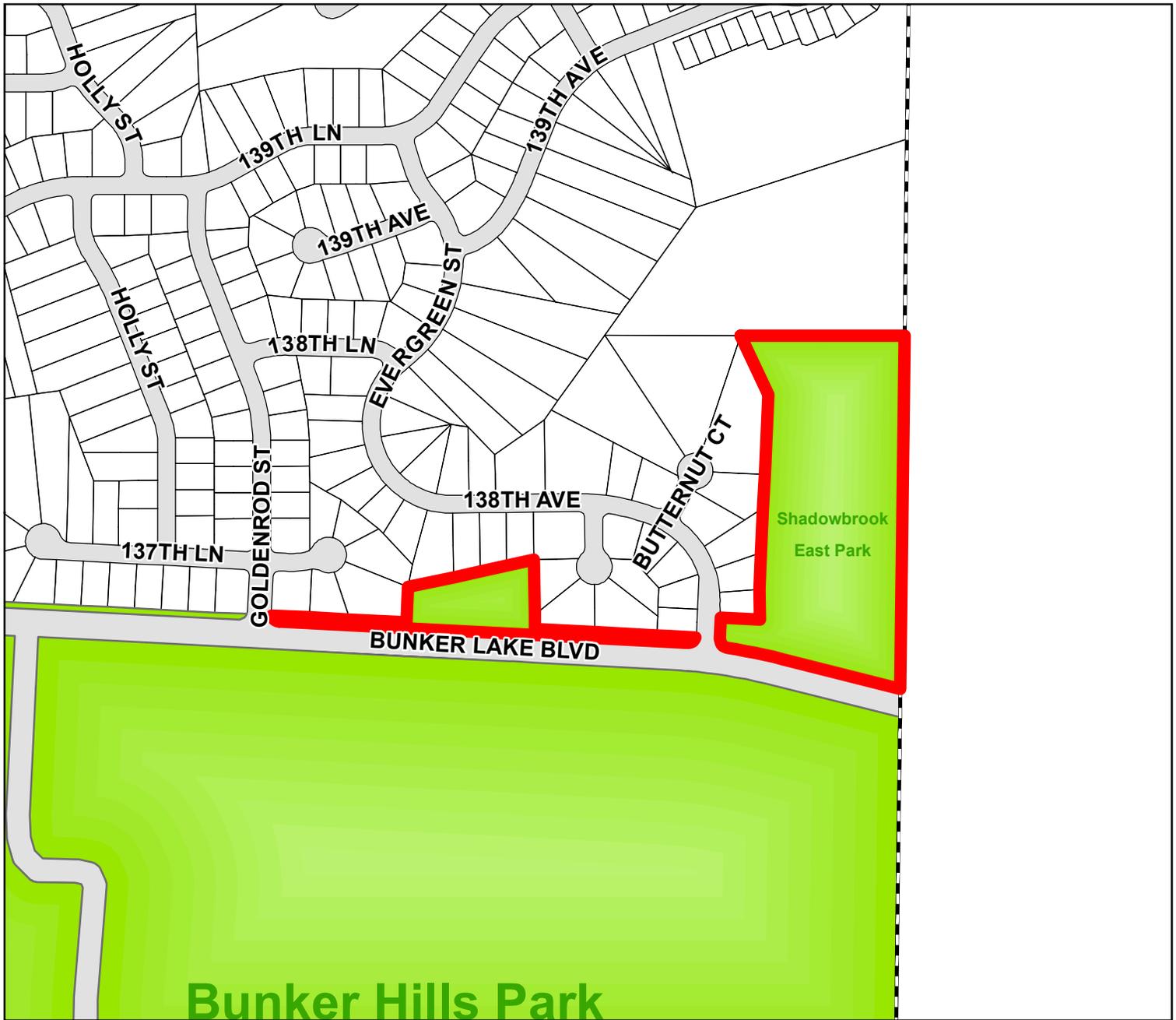


LEGEND

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

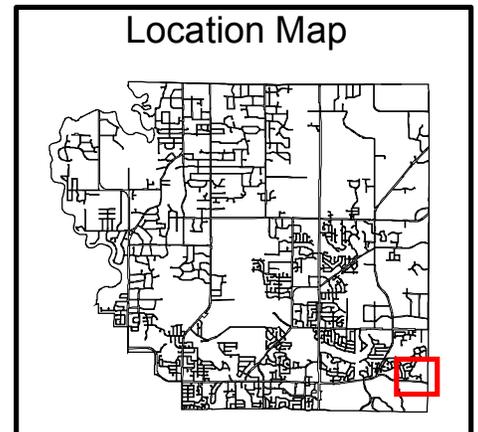
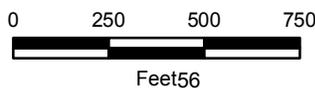
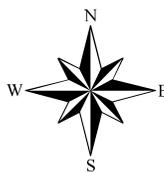


Project Name: REPLACE/REPAIR PLAY STRUCTURES
SHADOWBROOK EAST



LEGEND

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

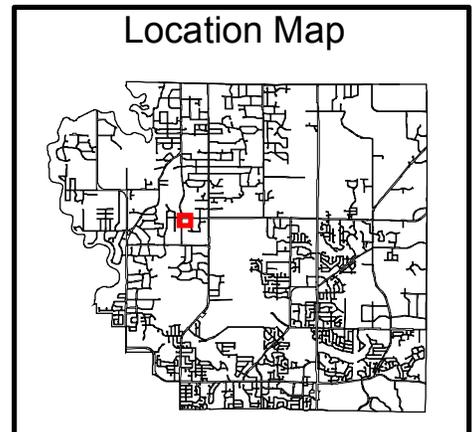
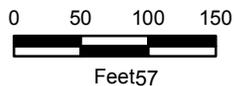


Project Name: PINE HILLS SOUTH

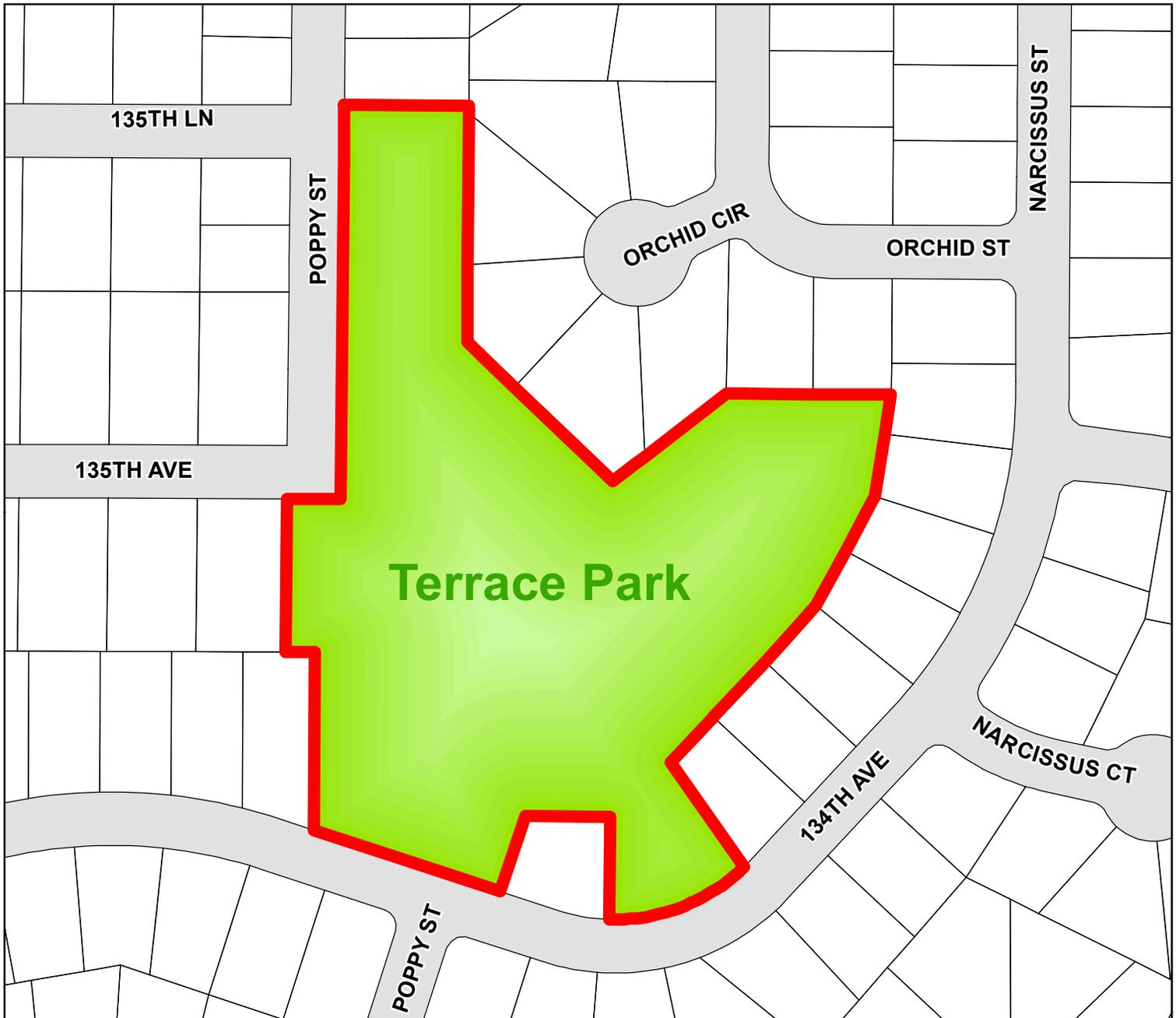


LEGEND

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

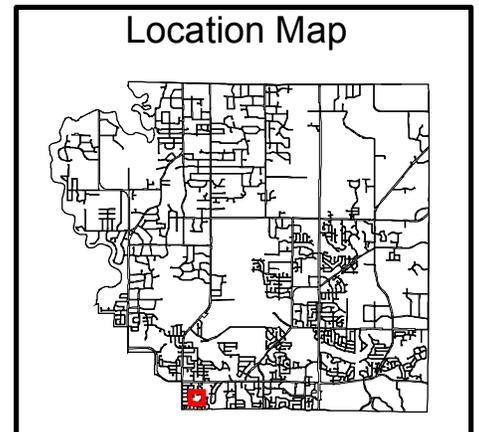
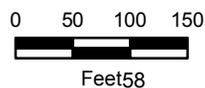
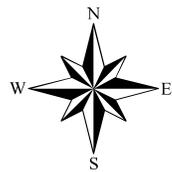


Project Name: TERRACE PARK

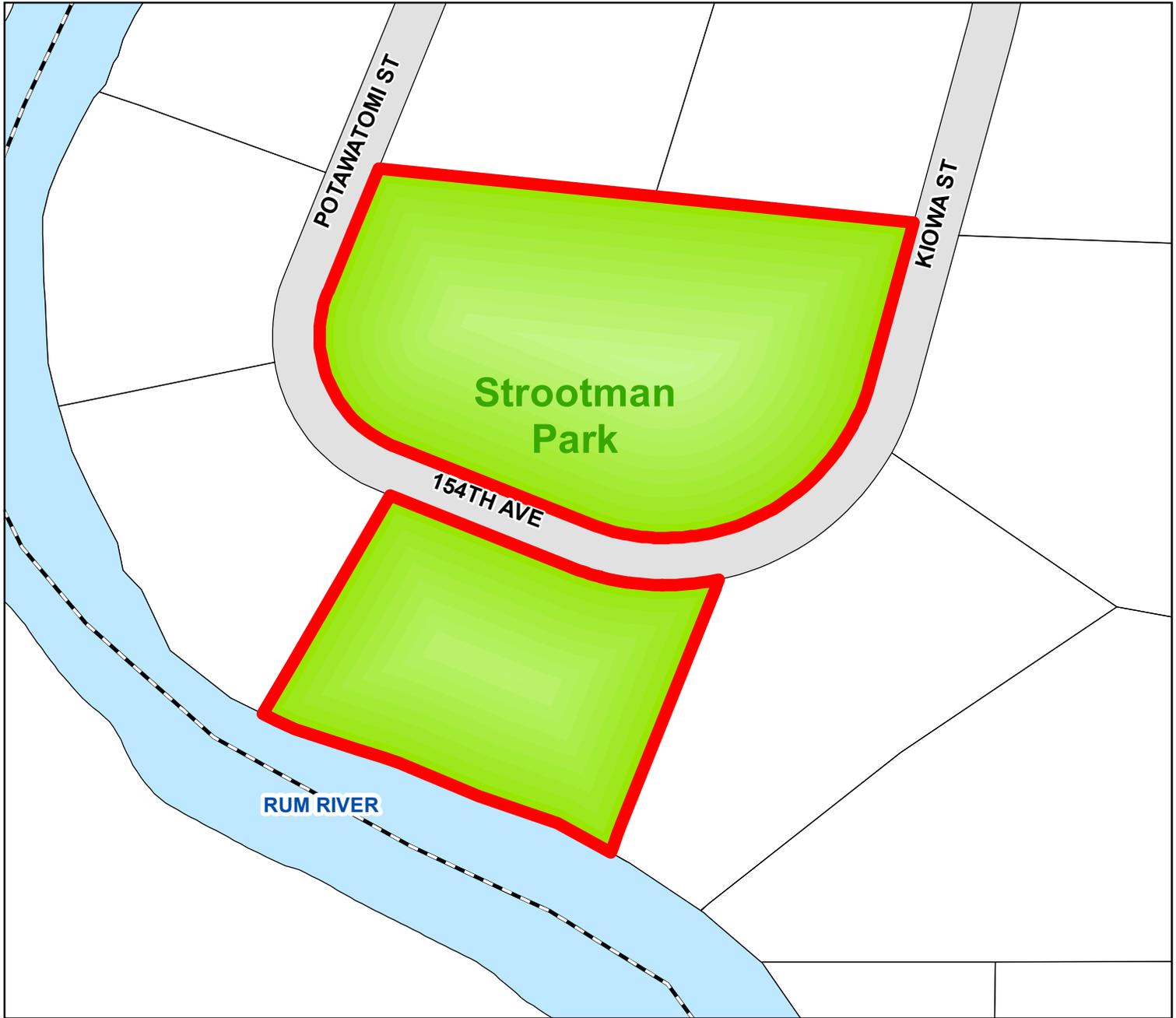


LEGEND

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

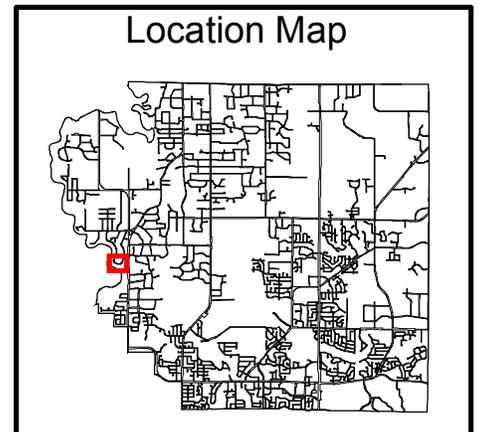
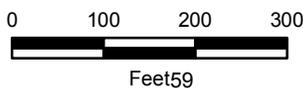
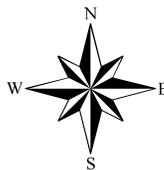


Project Name: STROOTMAN PARK

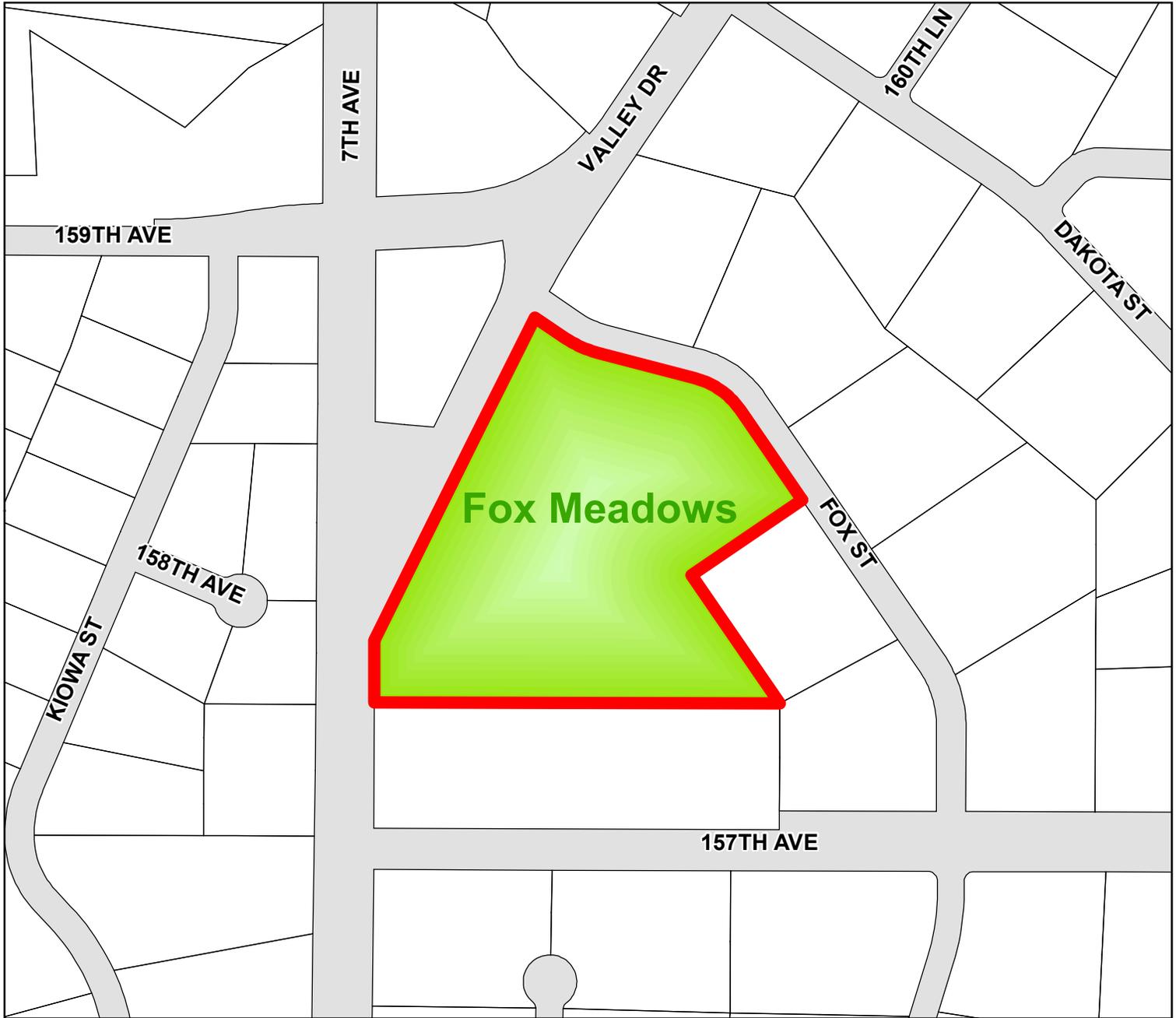


LEGEND

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

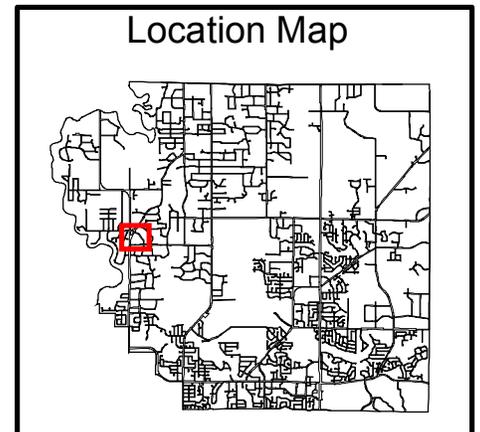
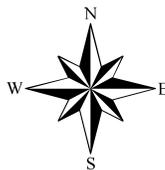


Project Name: FOX MEADOWS



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-45001-03
Project Name Pine Hills North - Phase II



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

Description

Phase II of the new sporting complex will include the construction of a storage building (identified for 2017) funded by donations from the athletic associations as recommended by the Park and Recreation Commission. 2020 includes the paving of existing and/or newly created parking lots.

The land was purchased in 2012. The fields were graded, irrigated and seeded in 2013. There will be other improvements down the road including concession/storage buildings, large playground structure, ect.

Other project improvements will be completed as funds become available.

Justification

Due to the growth of soccer, football, and lacrosse, an additional sports complex was necessary to keep up with demand so that the existing fields are not over-used which allows those fields additional time to recover between games and practices. Paving is necessary to reduce the dust during dry times of the year. Paving will also allow vehicles to park in designated parking stalls once the parking lot is striped. Drivers at times create more distance between vehicles when parking their vehicle on a gravel lot.

A storage building is also being requested by the Park Commission so that the associations have additional storage for their equipment.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	100,000			400,000		500,000
Total	100,000			400,000		500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve				280,000		280,000
Donations	100,000					100,000
Park Dedication Funds				120,000		120,000
Total	100,000			400,000		500,000

Budget Impact/Other

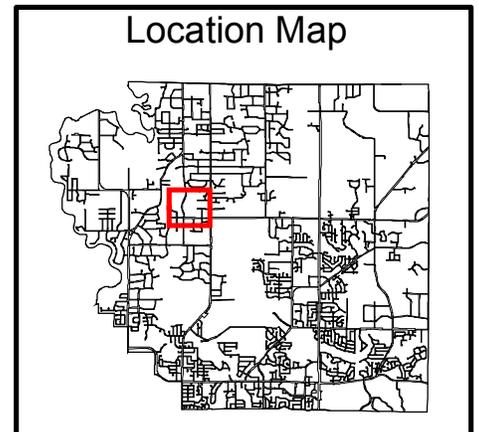
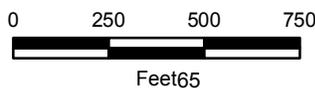
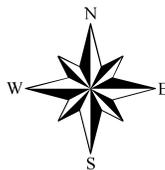
Adding new items to the facility will put additional burdens on existing park staff and budgets.

Project Name: PINE HILLS NORTH



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-45001-05
Project Name Nordeen's Park Basketball Court

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



Description

To install a new basketball court at the request of neighborhood petition that was submitted in 2016.

Justification

Based on interest from the neighborhood it has been determined that a basketball court would provide another option for residents to do when there are visiting the park.

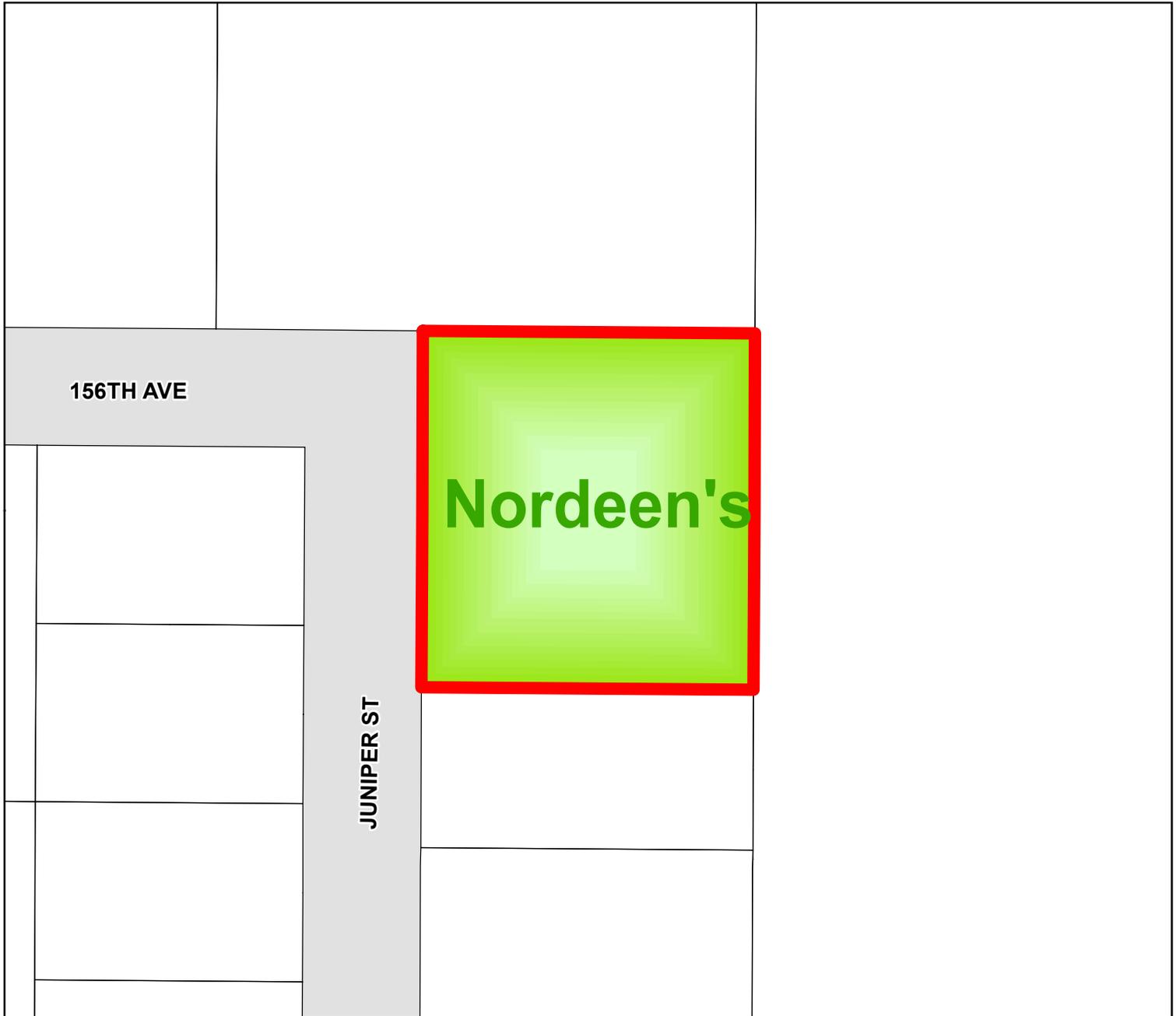
Expenditures	2017	2018	2019	2020	2021	Total
Improvement	7,500					7,500
Total	7,500					7,500

Funding Sources	2017	2018	2019	2020	2021	Total
Park Dedication Funds	7,500					7,500
Total	7,500					7,500

Budget Impact/Other

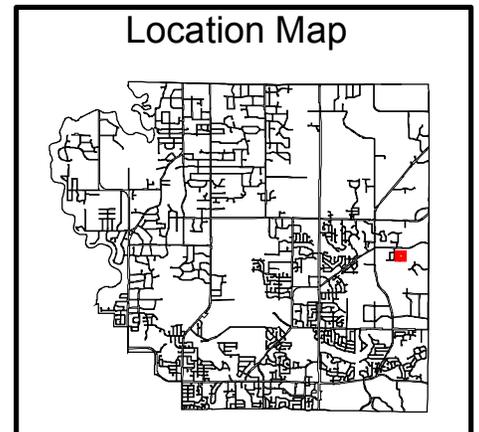
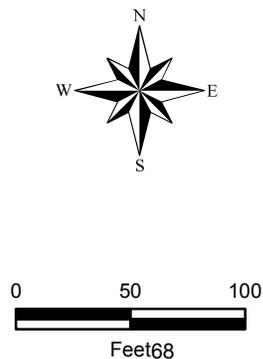
Continued annual maintenance.

Project Name: NORDEEN'S PARK



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-45001-02
Project Name Wild Iris Park Irrigation and Water Service



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

Description

Irrigate the existing ball field and surrounding amenities.

Justification

Due to the condition of the existing ball field and the lack of a good playing surface, the field needs to be upgraded with irrigation. The ballfield could be used by other associations if baseball does not schedule the use of the field in the fall.

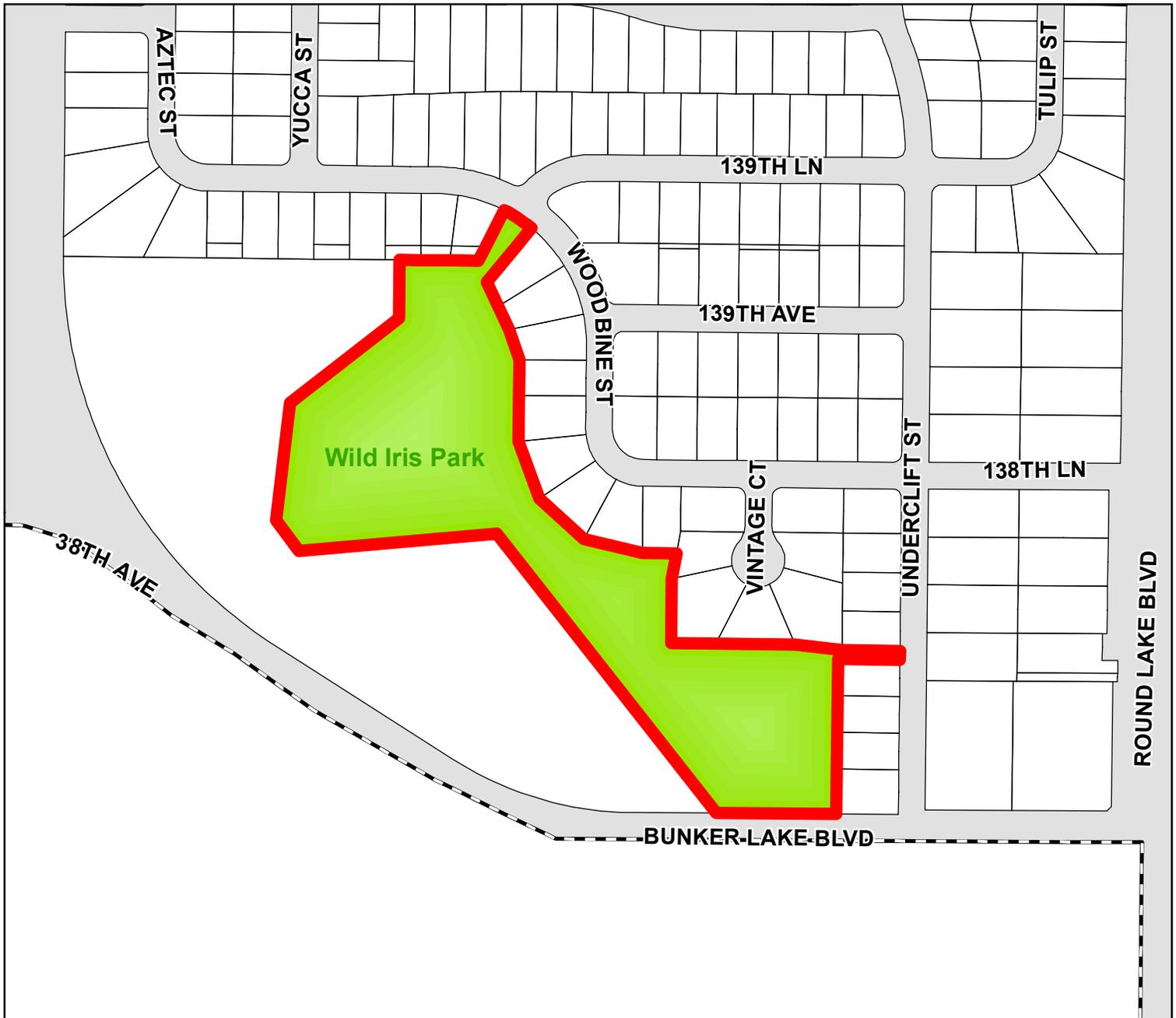
Expenditures	2017	2018	2019	2020	2021	Total
Improvement				42,500		42,500
Total				42,500		42,500

Funding Sources	2017	2018	2019	2020	2021	Total
Park Dedication Funds				42,500		42,500
Total				42,500		42,500

Budget Impact/Other

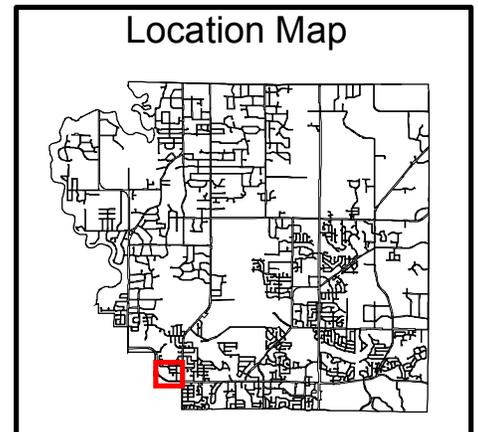
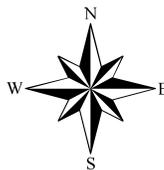
Continued annual maintenance.

Project Name: WILD IRIS PARK



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-48200-01
Project Name Sanitary Sewer Extensions



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

Description

Sanitary sewer extensions are necessary in areas within the MUSA boundary for future development. The following projects are proposed:
 2017: Upgrades to Aztec Estates Lift Station (\$105,000).
 2018: Extend sanitary sewer trunk along Crosstown Boulevard from just west of the railroad tracks east to Prairie Road (\$500,000).

Justification

The Aztec Estates Lift Station will need upgrades/improvements to handle flows projected once development fills in on the properties adjacent to Bunker Lake Boulevard and east of 7th Avenue.
 The Crosstown Boulevard trunk sanitary sewer would be extended to serve properties adjacent to Crosstown Boulevard and east of the railroad tracks and ultimately east of Prairie Road. The extension has been recommended through the sanitary sewer report (2004 Sanitary Sewer Report), subsequent studies of the system, and the updated Comprehensive Plan. Timing of this project is contingent upon development east of the railroad tracks.

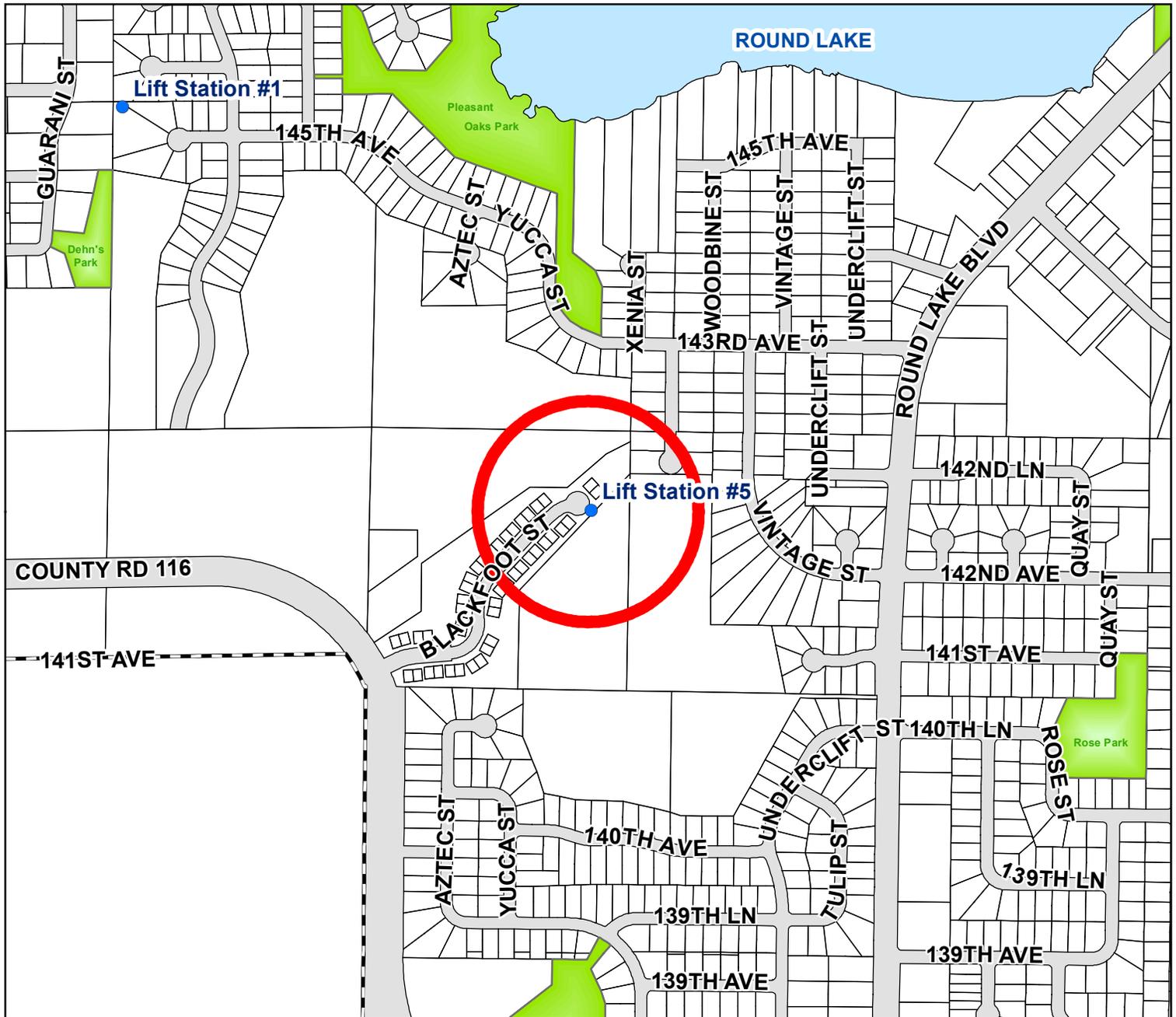
Expenditures	2017	2018	2019	2020	2021	Total
Improvement	105,000	500,000				605,000
Total	105,000	500,000				605,000

Funding Sources	2017	2018	2019	2020	2021	Total
Assessments	105,000					105,000
Sewer Trunk Fund		500,000				500,000
Total	105,000	500,000				605,000

Budget Impact/Other

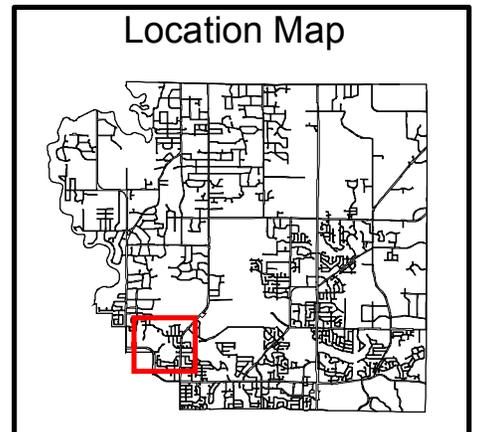
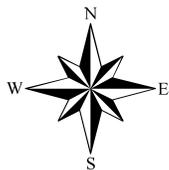
Additional routine maintenance including televising and cleaning will be required.

Project Name: SANITARY SEWER IMPROVEMENTS
AZTEC ESTATES LIFT STATION UPGRADES



LEGEND

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

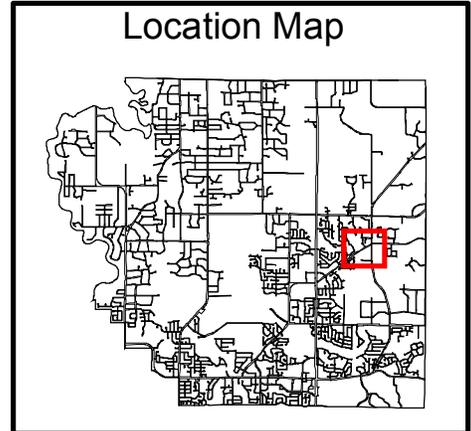
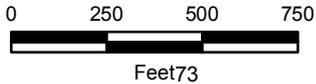
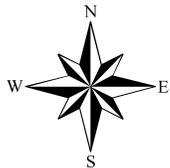


Project Name: SANITARY SEWER IMPROVEMENTS
CROSTOWN BLVD SANITARY SEWER EXTENSION

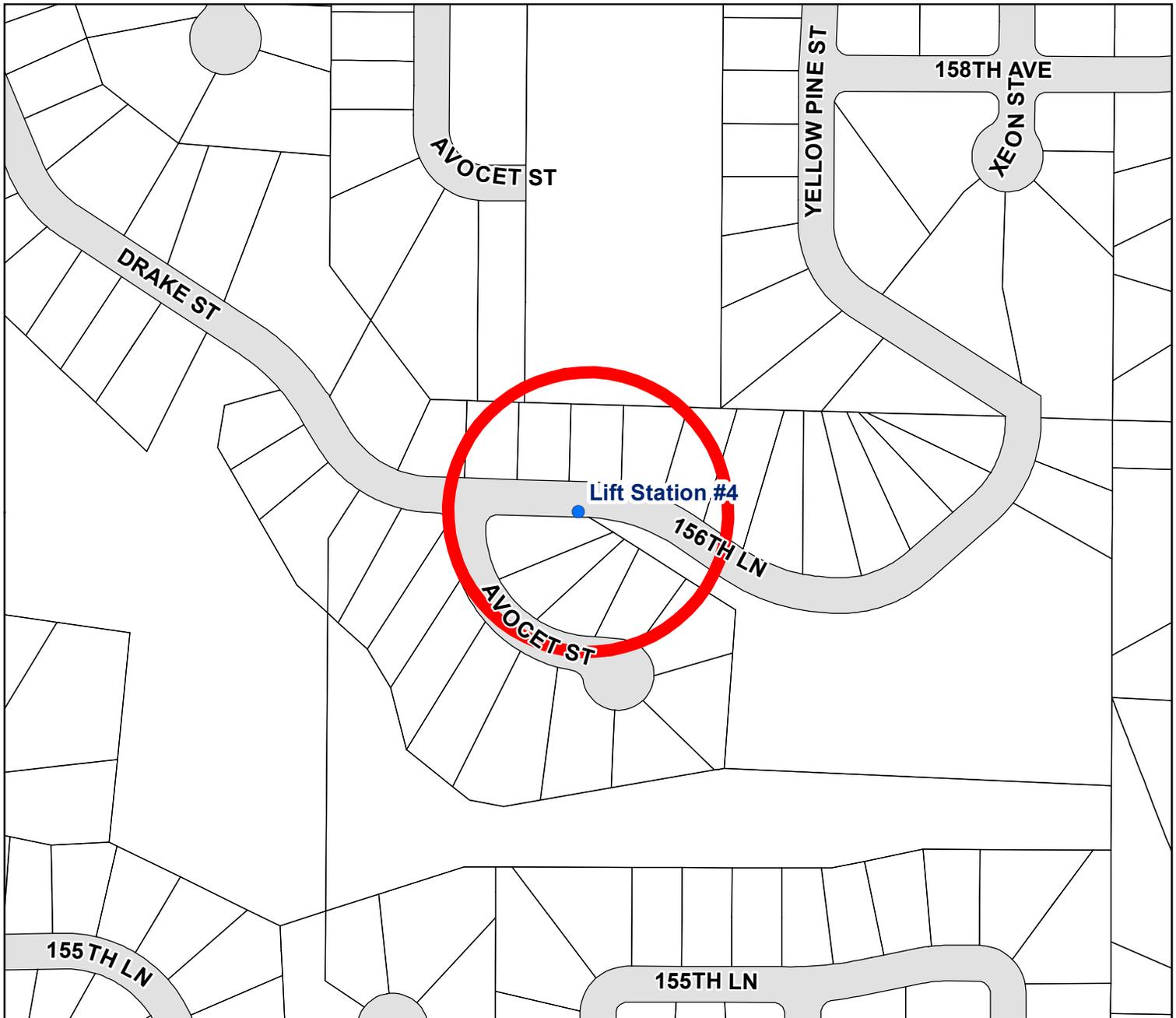


LEGEND

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

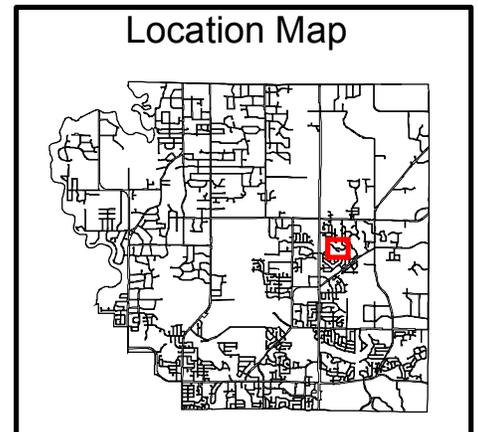
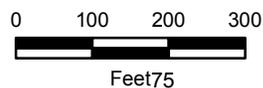
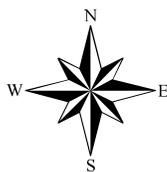


Project Name: SANITARY SEWER IMPROVEMENTS
LIFT STATION #4 UPGRADES



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-48200-01
Project Name Yellow Pine Lift Station



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

Description

Install a lift station at Yellow Pine Street to divert flow from the Bluebird Street trunk line to the Pinewood trunk line. The wet well for this lift station was constructed in 2005 as a part of the Crosstown Boulevard Improvements Project.

Justification

This lift station will allow additional capacity in the Bluebird Street trunk line to serve adjacent properties until the year 2025. This project is development dependent.

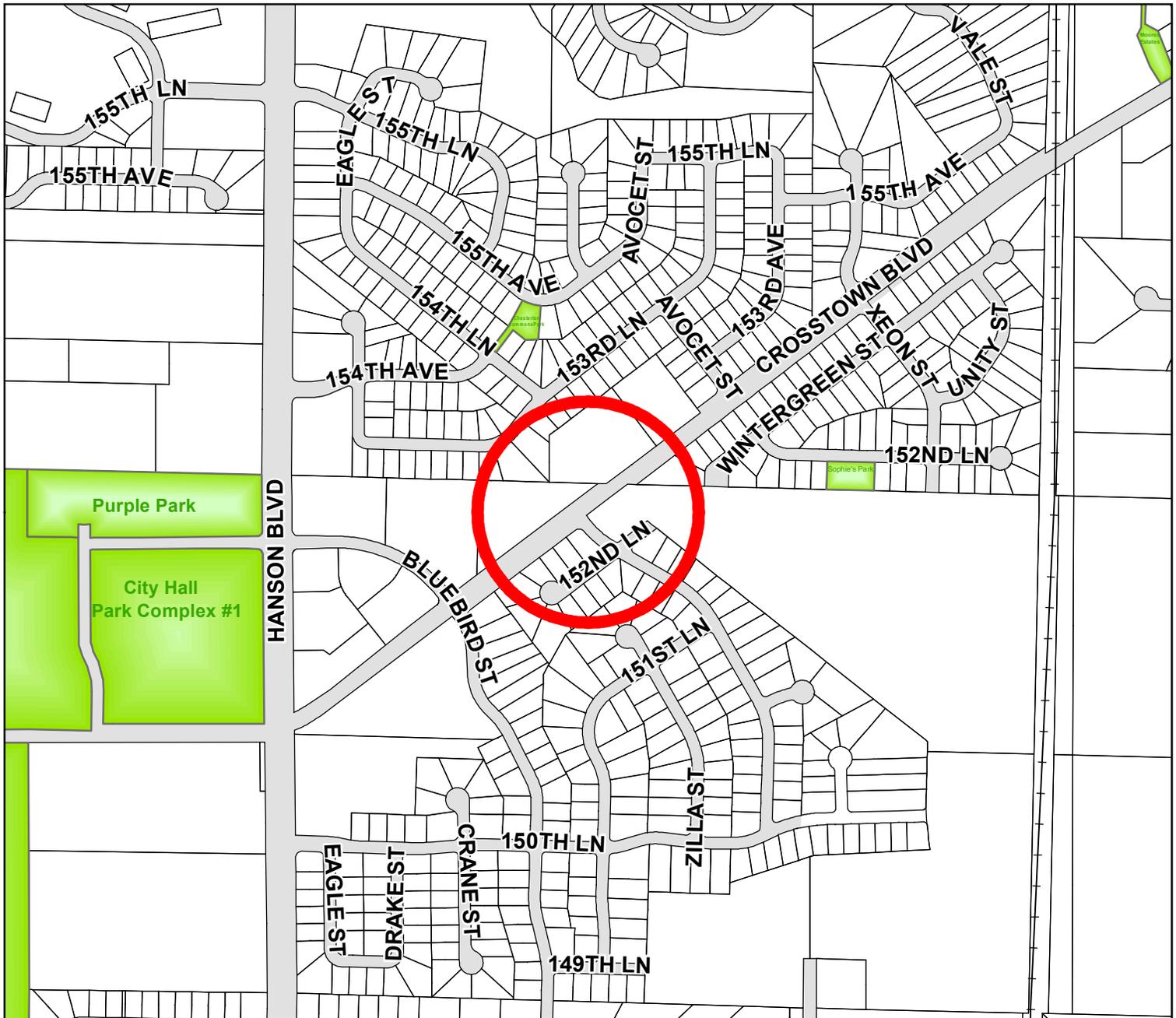
Expenditures	2017	2018	2019	2020	2021	Total
Improvement		650,000				650,000
Total		650,000				650,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer Trunk Fund		650,000				650,000
Total		650,000				650,000

Budget Impact/Other

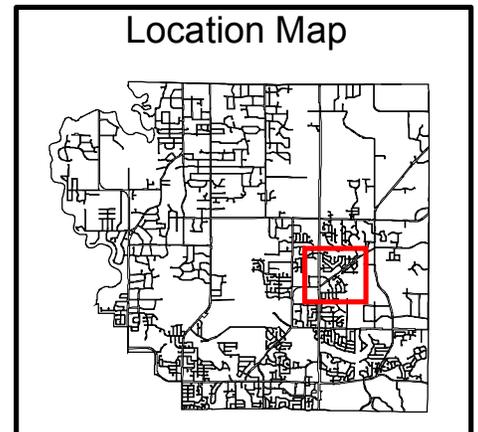
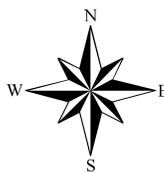
Routine monitoring and maintenance of the lift station will be required.

Project Name: SANITARY SEWER IMPROVEMENTS
YELLOW PINE LIFT STATION



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-48300-01
Project Name Storm Sewer Improvements



Type Improvement
Useful Life 30 Years +
Category Utilities
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.
 2017 - Ditch cleaning at 141st Lane and Heather St.

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.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	55,000	60,000	60,000	62,000	65,000	302,000
Total	55,000	60,000	60,000	62,000	65,000	302,000

Funding Sources	2017	2018	2019	2020	2021	Total
Storm Sewer Fund	55,000	60,000	60,000	62,000	65,000	302,000
Total	55,000	60,000	60,000	62,000	65,000	302,000

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

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-01
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 the 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.

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.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	725,000	250,000	260,000	275,000	285,000	1,795,000
Total	725,000	250,000	260,000	275,000	285,000	1,795,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	725,000	250,000	260,000	275,000	285,000	1,795,000
Total	725,000	250,000	260,000	275,000	285,000	1,795,000

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

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-02
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. Each year one of the nine full zones in the City is crack sealed. The following areas are tentatively planned for crack sealing as shown. 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.

- 2017: Zone 4/NW Corner of Zone 5
- 2018: Zone 5
- 2019: Zone 6
- 2020: Zone 7
- 2021: Zone 8

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 completed in one zone per year and in new developments and reconstructed areas two to three years after they are paved.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	160,000	170,000	245,000	290,000	375,000	1,240,000
Total	160,000	170,000	245,000	290,000	375,000	1,240,000

Funding Sources	2017	2018	2019	2020	2021	Total
Construction Seal Coat Fund	17,000	8,000	10,000	10,000	10,000	55,000
Road & Bridge Funds	143,000	162,000	235,000	280,000	365,000	1,185,000
Total	160,000	170,000	245,000	290,000	375,000	1,240,000

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

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-03
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	2017	2018	2019	2020	2021	Total
Improvement	42,000	44,000	46,000	48,000	50,000	230,000
Total	42,000	44,000	46,000	48,000	50,000	230,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	42,000	44,000	46,000	48,000	50,000	230,000
Total	42,000	44,000	46,000	48,000	50,000	230,000

Budget Impact/Other

The pavement markings are contracted out each year freeing staff for other duties.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-05
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.

- 2017: University Ave Overlay (157th to 161st) \$130,000*
 168th Lane (Round Lake Blvd to Verdin) \$1,170,000
- 2018: 143rd Avenue Reconstruction (Xenia St to Round Lake Blvd) \$370,000
 Crosstown Blvd Overlay (Hanson Blvd to 161st Ave) \$450,000
- 2019: University Ave Recon (Andover Blvd to 157th) \$690,000*
 Hanson Blvd (Jay Street to Crosstown Blvd) \$1,000,000
- 2020: Prairie Road Overlay (Andover Blvd to Bunker Lake Blvd) \$350,000
- 2021: Jay Street Overlay (Bunker Lake Blvd to Hanson Blvd) \$290,000

*This is Andover's portion of these project costs. The City of Ham Lake would fund the remaining 50% of these project costs.

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.

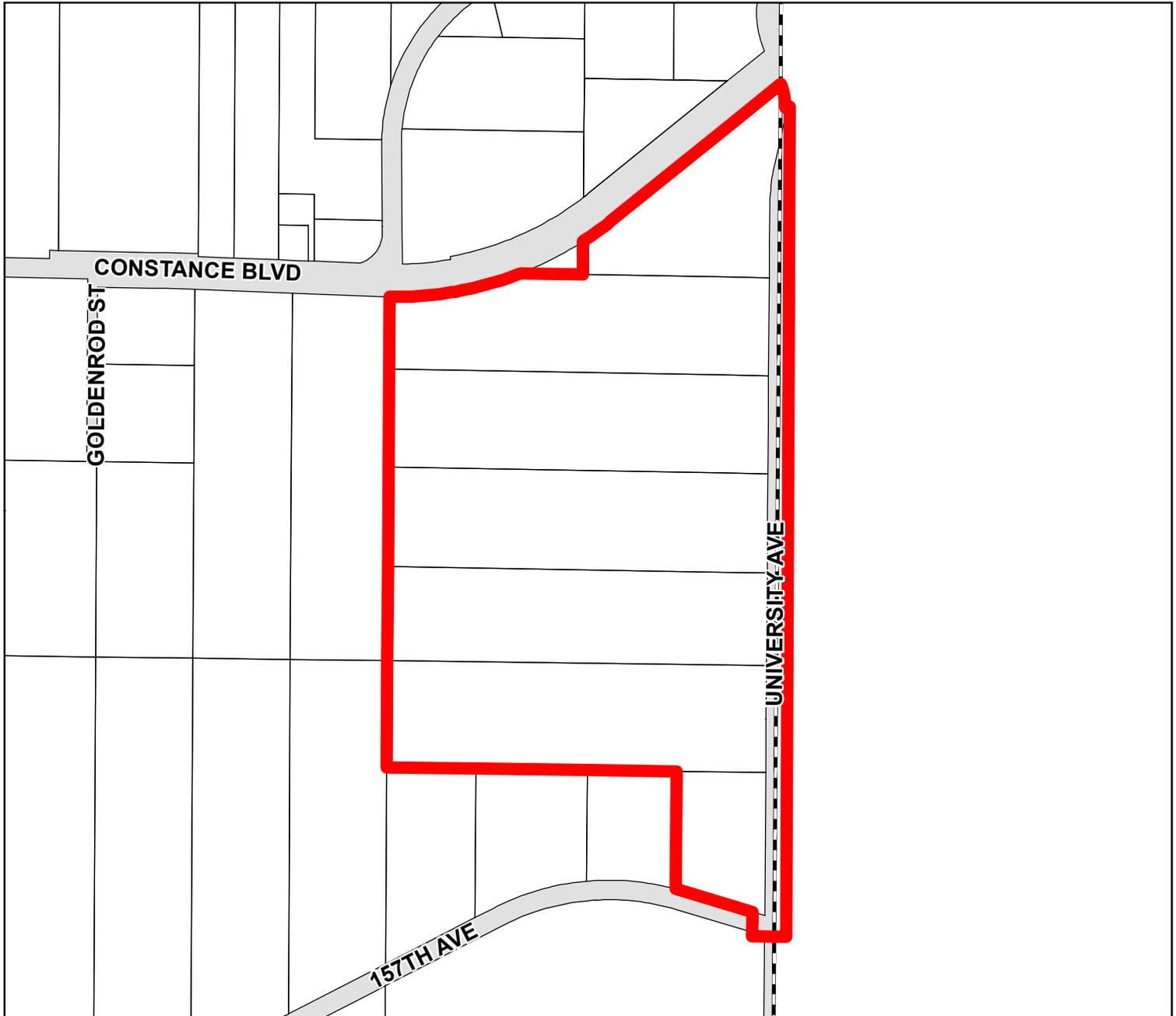
Expenditures	2017	2018	2019	2020	2021	Total
Construction	1,300,000	820,000	1,690,000	350,000	290,000	4,450,000
Total	1,300,000	820,000	1,690,000	350,000	290,000	4,450,000

Funding Sources	2017	2018	2019	2020	2021	Total
Assessments	243,000	75,500	144,000	15,000	15,000	492,500
Municipal State Aid Funds	1,057,000	744,500	1,546,000	335,000	275,000	3,957,500
Total	1,300,000	820,000	1,690,000	350,000	290,000	4,450,000

Budget Impact/Other

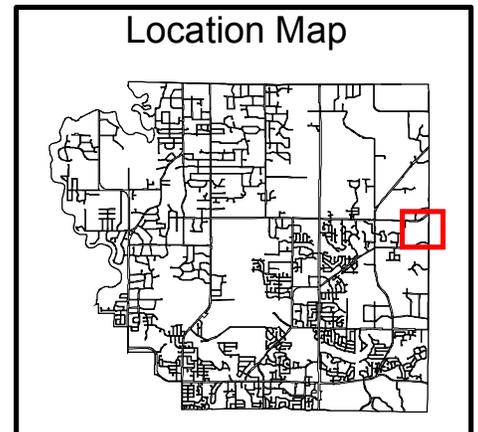
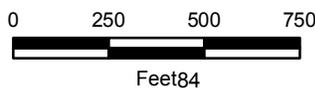
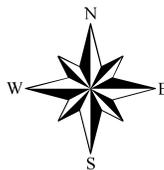
Rehabilitating the roads will reduce the amount of routine maintenance along these sections of roadway and provide a safer and higher quality transportation system.

Project Name: STATE AID ROUTES OVERLAY
UNIVERSITY AVE - 157TH TO 161ST

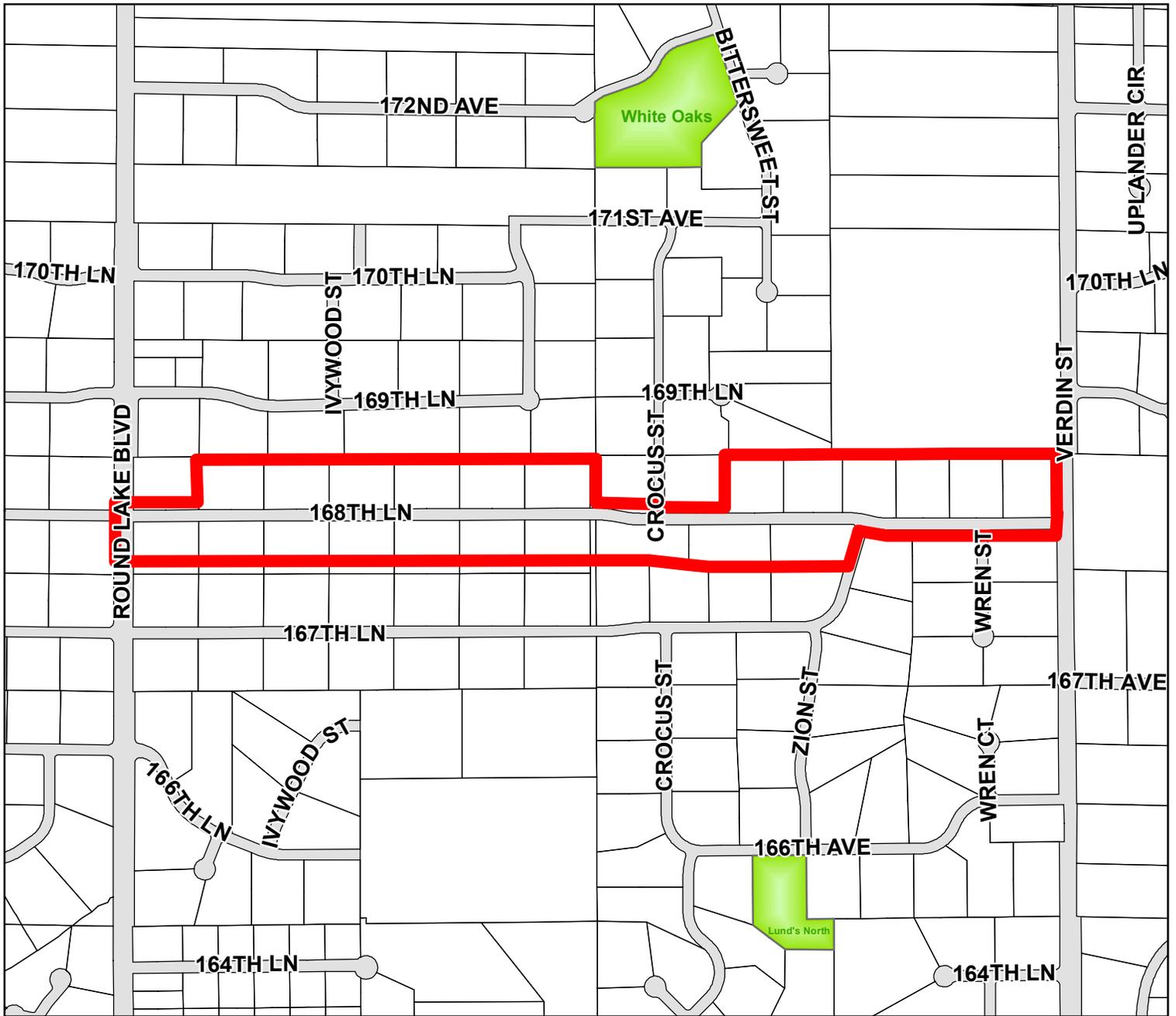


LEGEND

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

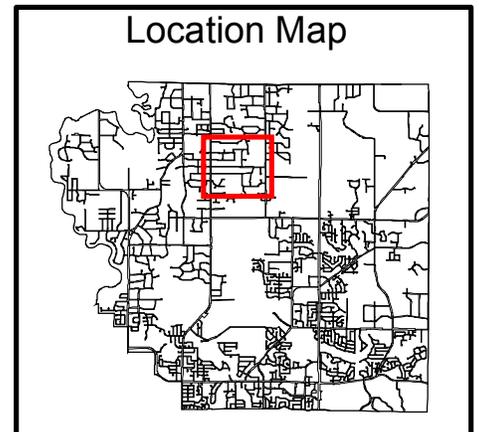
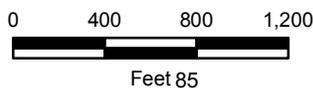
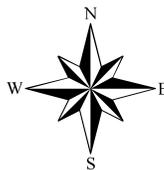


Project Name: STATE AID ROUTES RECONSTRUCTION
168TH LANE (ROUND LAKE BLVD TO VERDIN)

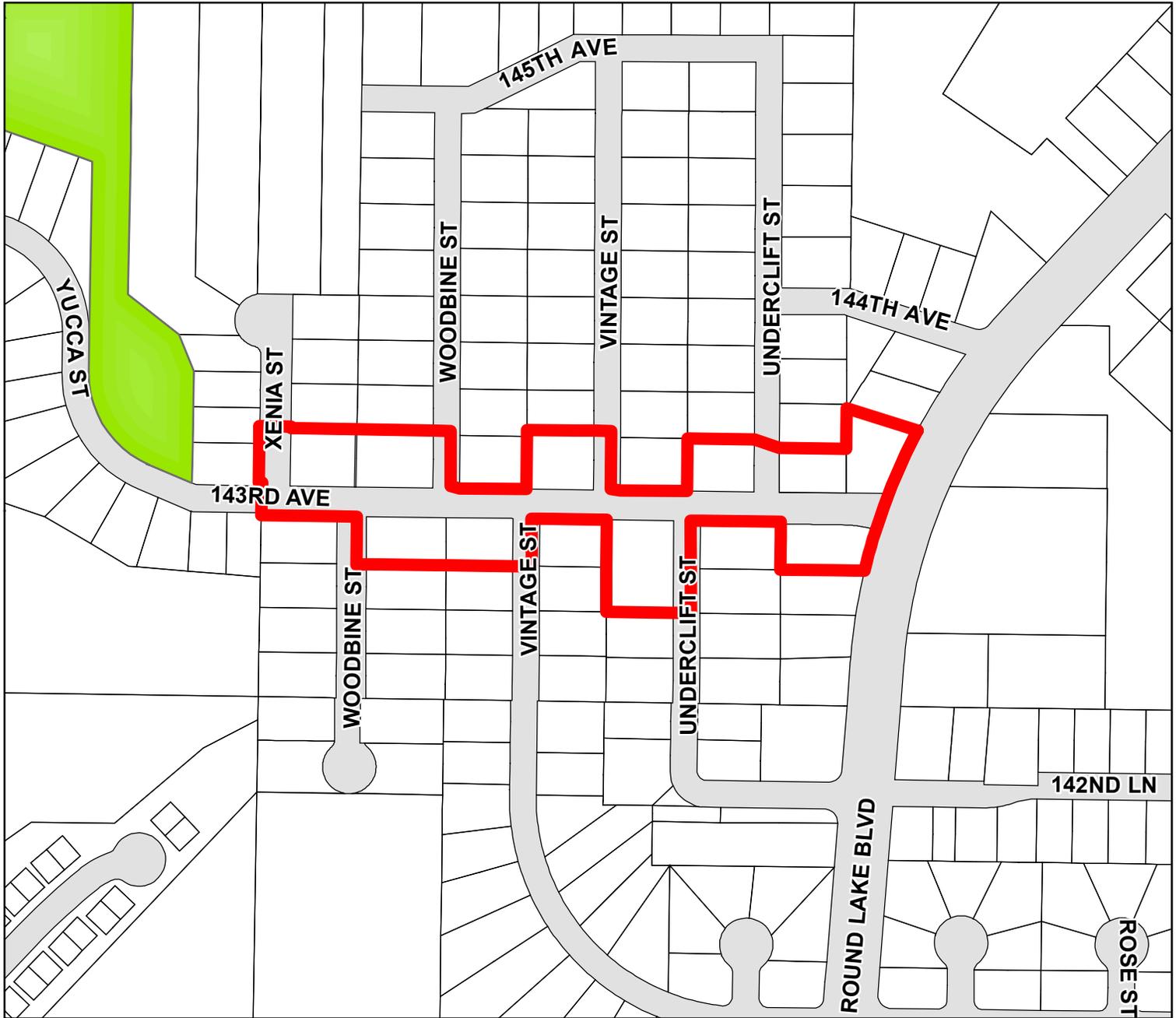


LEGEND

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

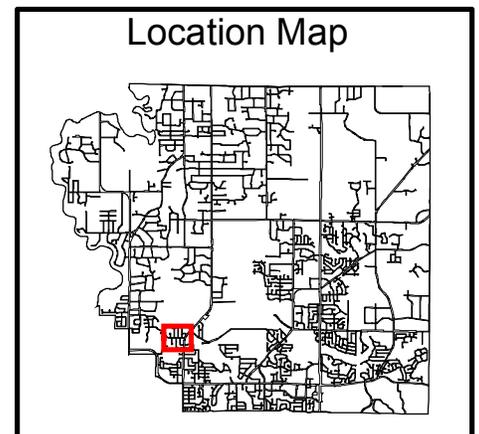
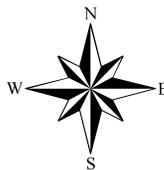


Project Name: STATE AID ROUTES RECONSTRUCTION
143RD AVENUE (ROUND LAKE BLVD TO XENIA ST)

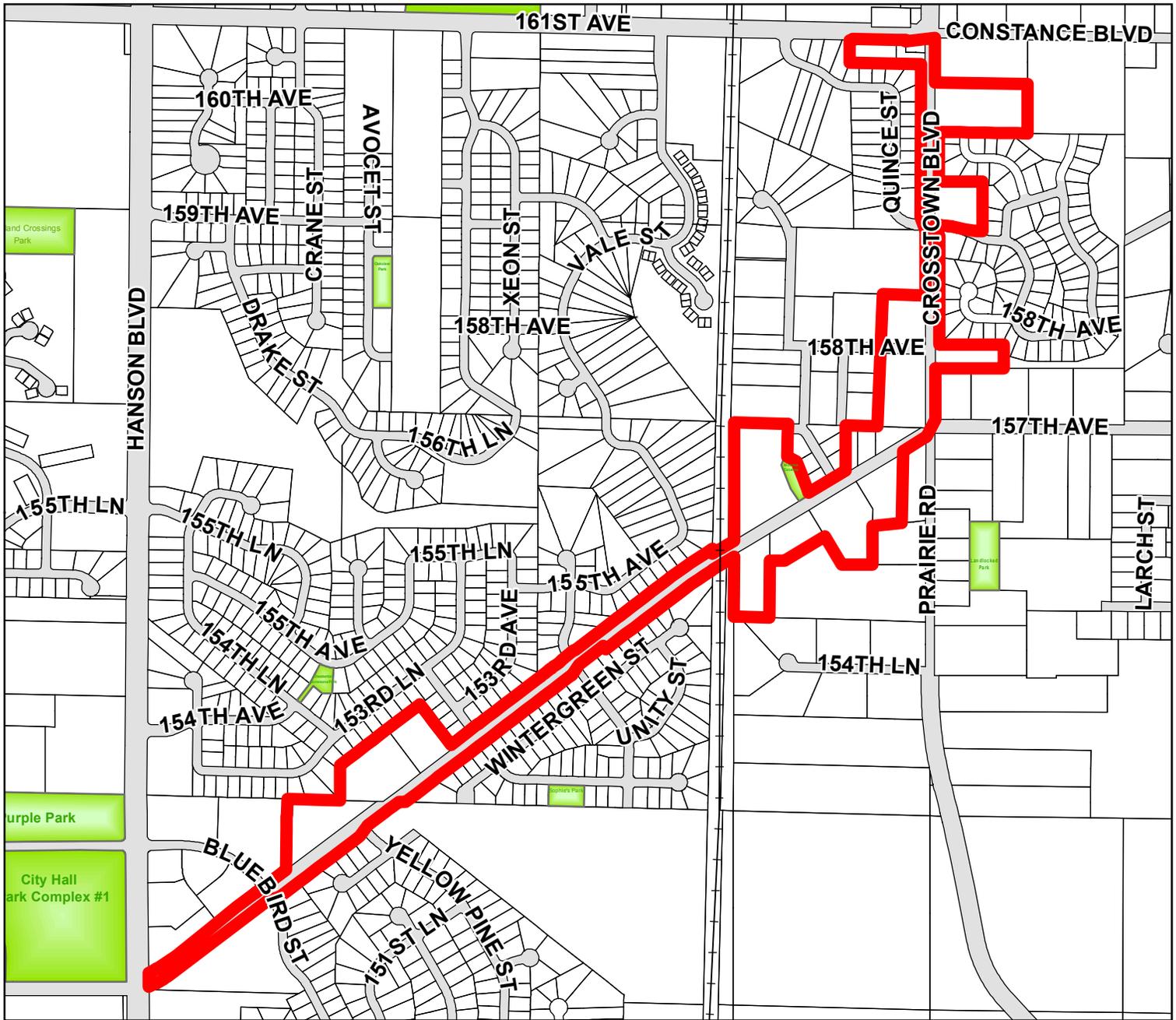


LEGEND

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

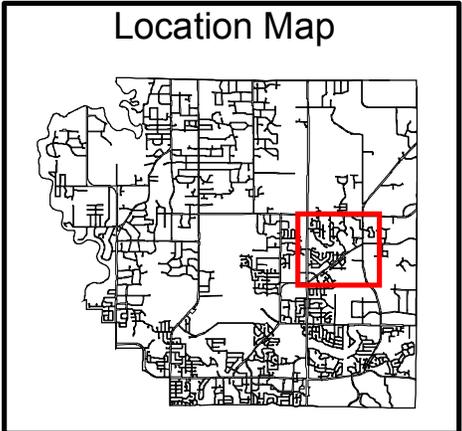
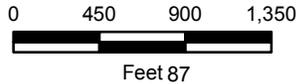
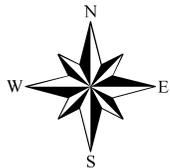


Project Name: STATE AID ROUTES OVERLAY
CROSTOWN BLVD (HANSON BLVD TO 161ST AVE)

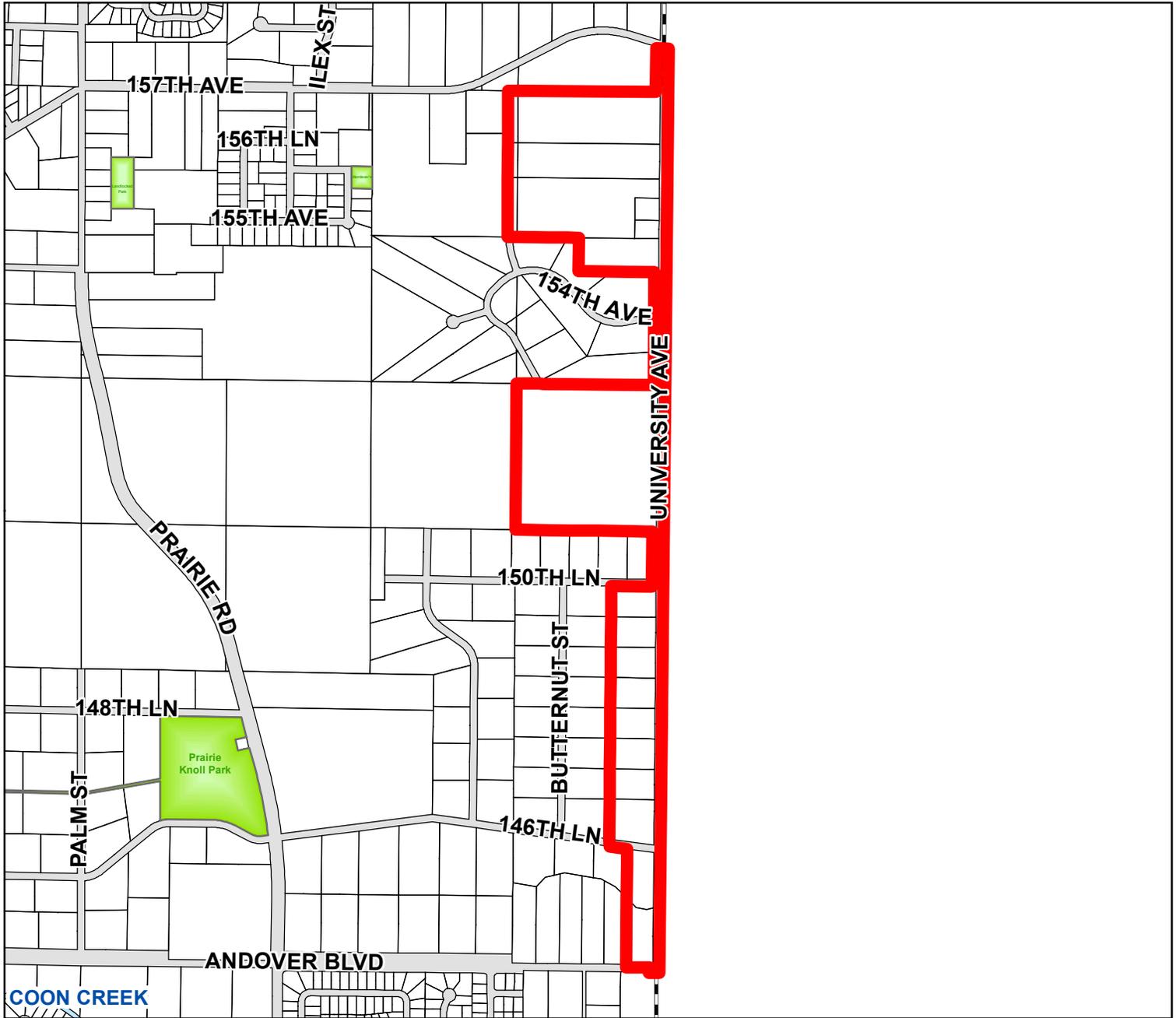


LEGEND

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

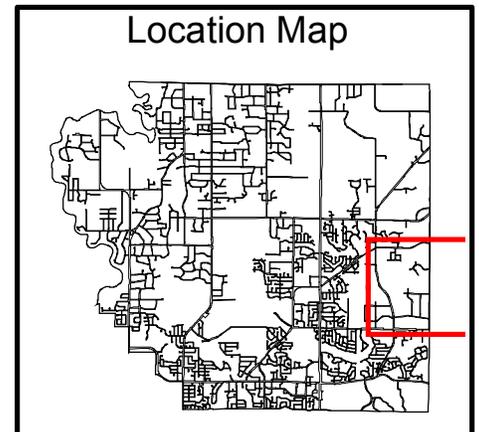
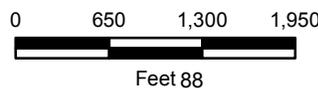
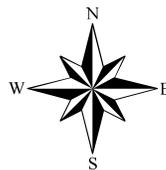


Project Name: STATE AID ROUTES RECONSTRUCTION
UNIVERSITY AVE - ANDOVER BLVD TO 157TH AVE

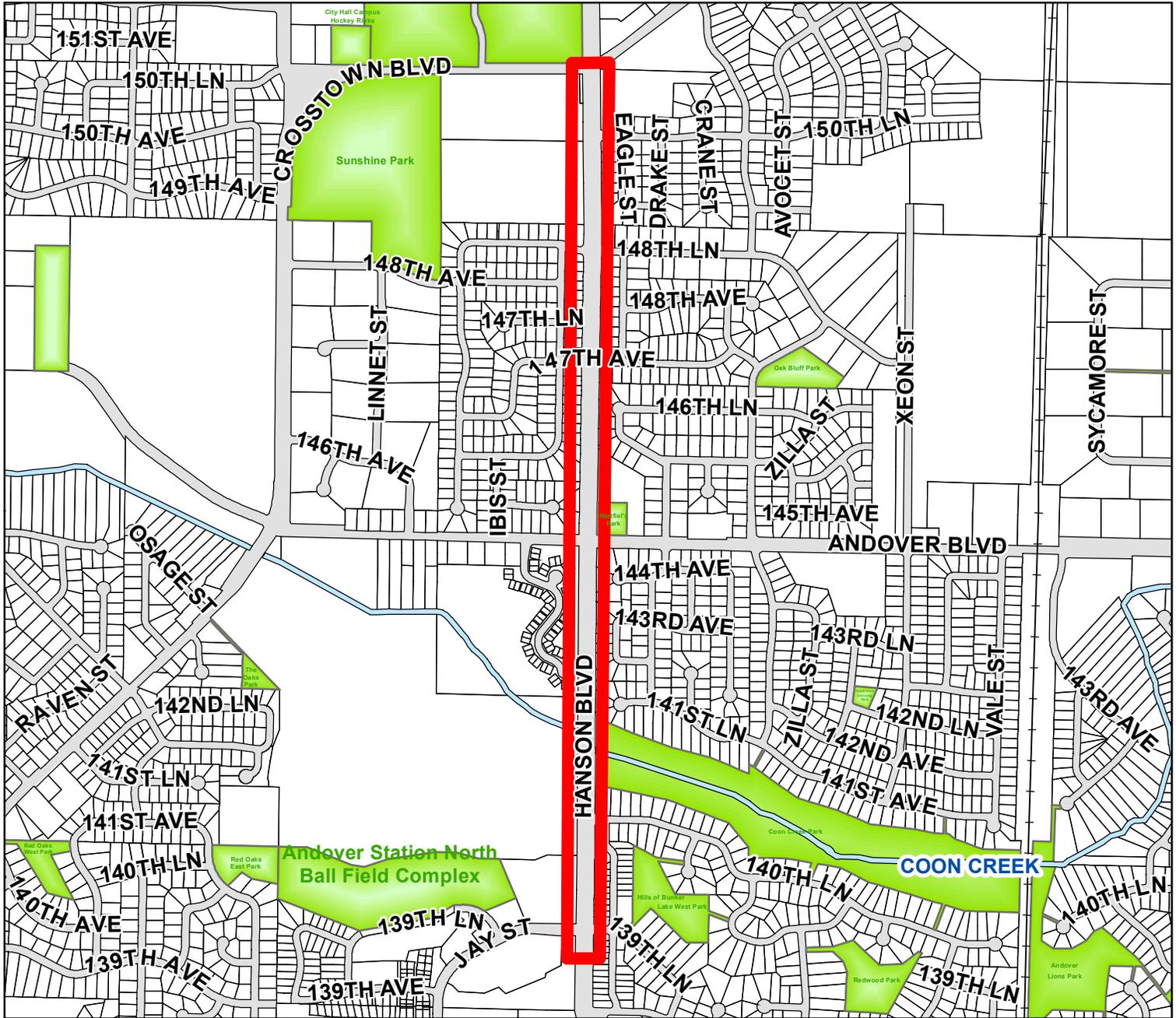


LEGEND

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

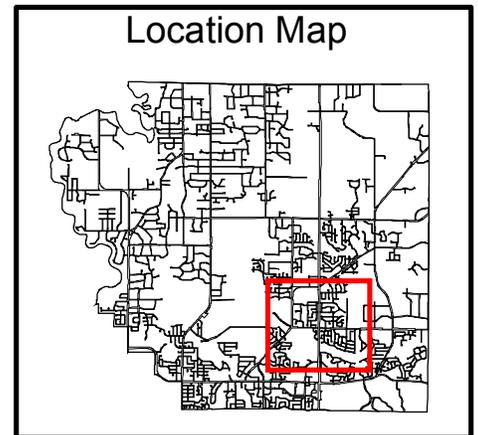
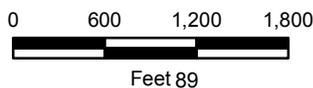
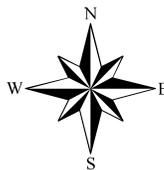


Project Name: STATE AID ROUTES RECONSTRUCTION
HANSON BLVD (JAY STREET TO CROSTOWN BLVD)

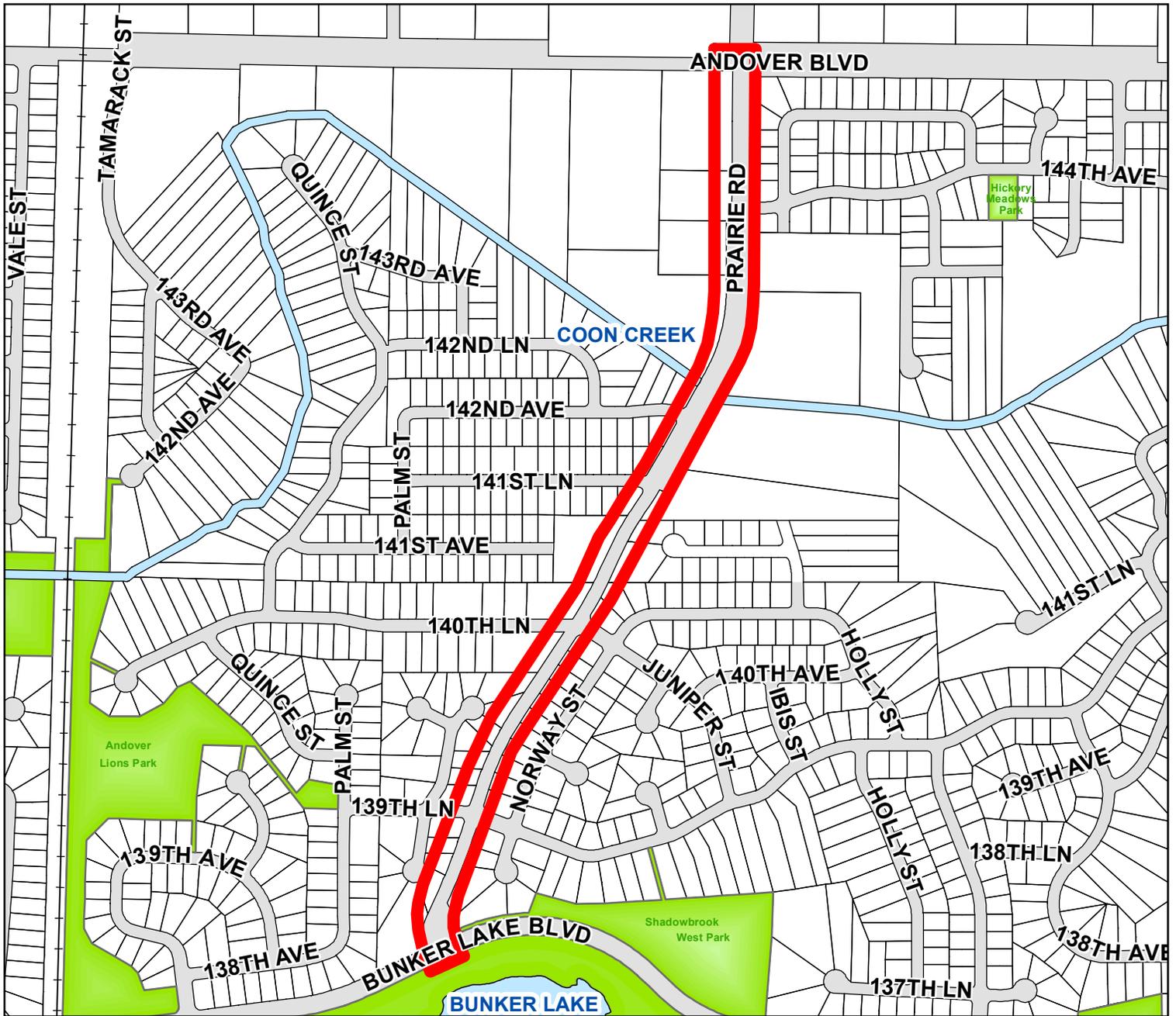


LEGEND

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

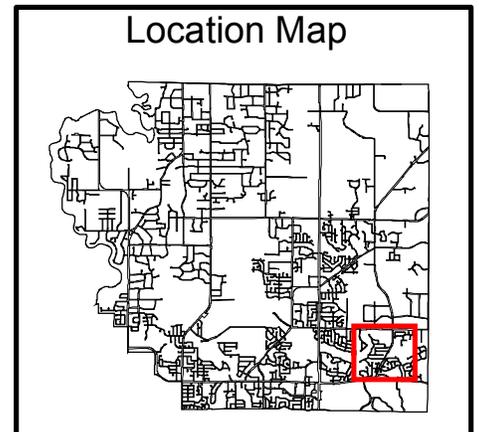
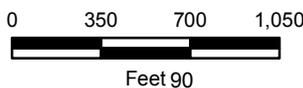
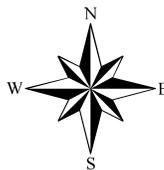


Project Name: STATE AID ROUTES OVERLAY
 PRAIRIE ROAD (ANDOVER BLVD TO BUNKER LAKE BLVD)

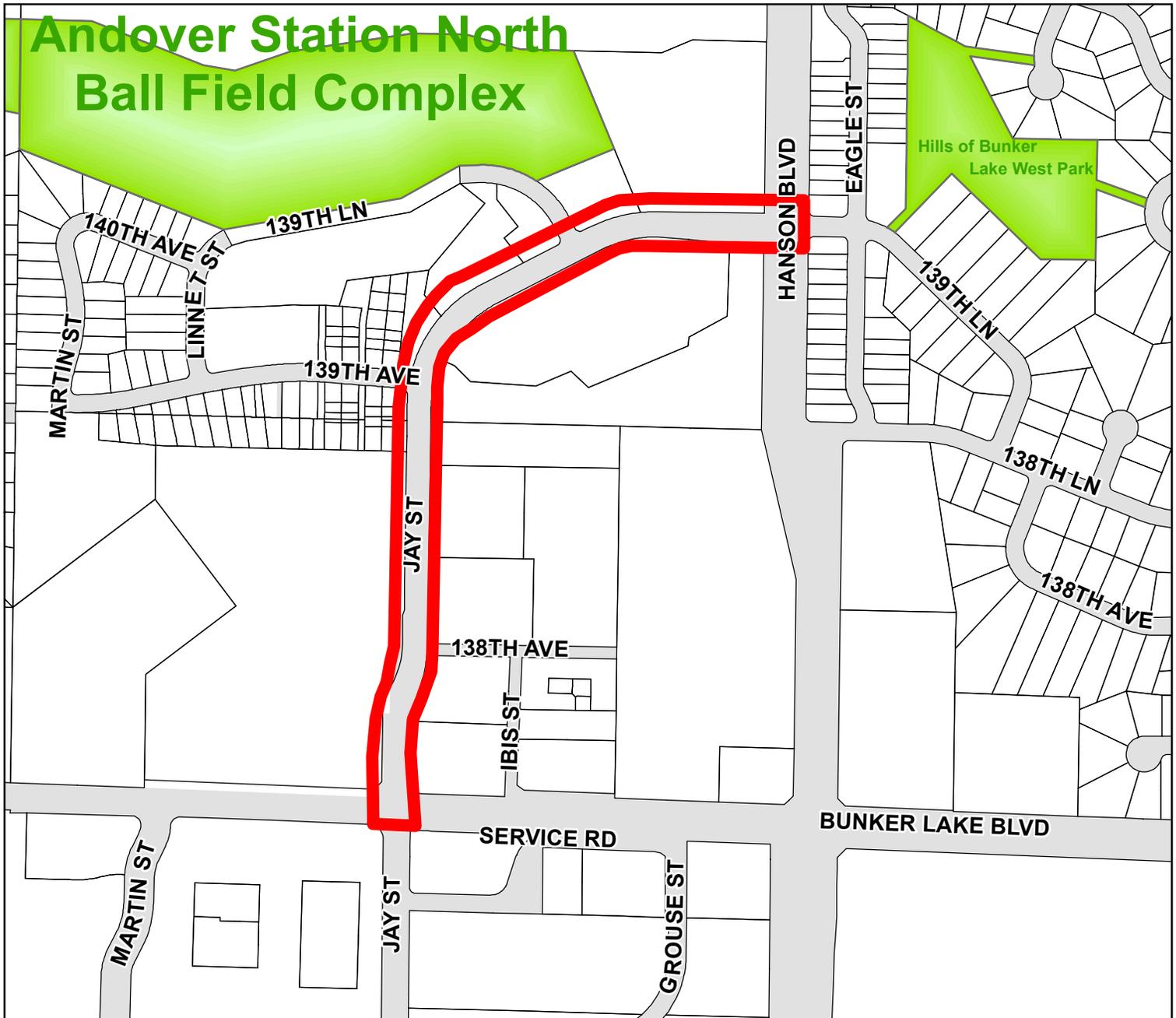


LEGEND

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

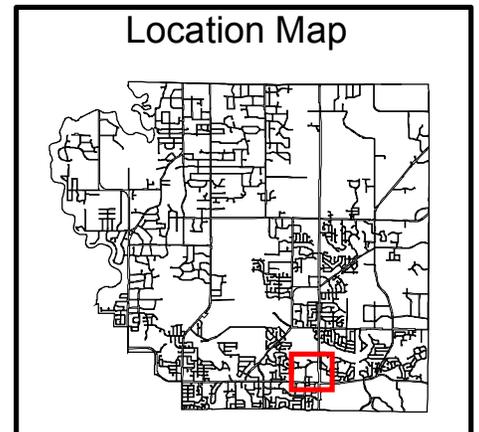
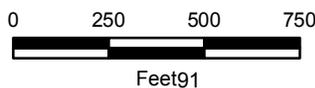
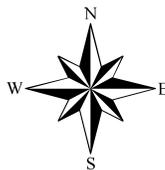


Project Name: STATE AID ROUTES OVERLAY
 JAY STREET (HANSON BLVD TO BUNKER LAKE BLVD)



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-06
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.

- 2017 - Lund's Evergreen Estates 2nd - 5th Additions
- 2018 - Andover Bdy Commission Plat 1 / Shirley's Estates
- 2019 - Area east of Crooked Lake
- 2020 - Alladin Acres, Enchanted Drive Area
- 2021- Andover West, Indian Meadows 2nd Addition, Lunds Round Lake Estates

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.

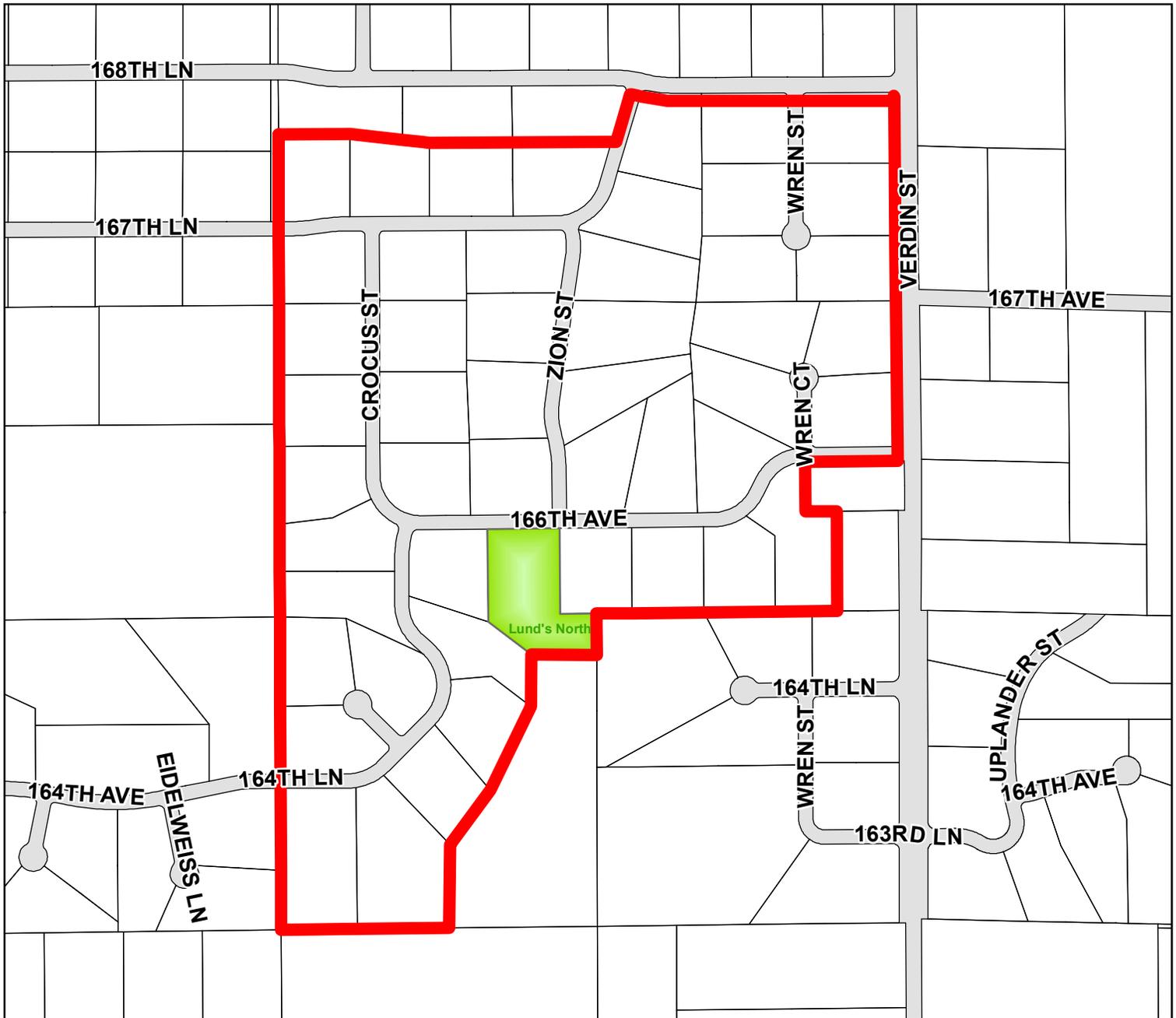
Expenditures	2017	2018	2019	2020	2021	Total
Construction	1,236,000	821,000	1,143,000	1,092,000	1,268,000	5,560,000
Total	1,236,000	821,000	1,143,000	1,092,000	1,268,000	5,560,000

Funding Sources	2017	2018	2019	2020	2021	Total
Assessments	309,000	205,000	286,000	273,000	317,000	1,390,000
Road & Bridge Funds	927,000	616,000	857,000	819,000	951,000	4,170,000
Total	1,236,000	821,000	1,143,000	1,092,000	1,268,000	5,560,000

Budget Impact/Other

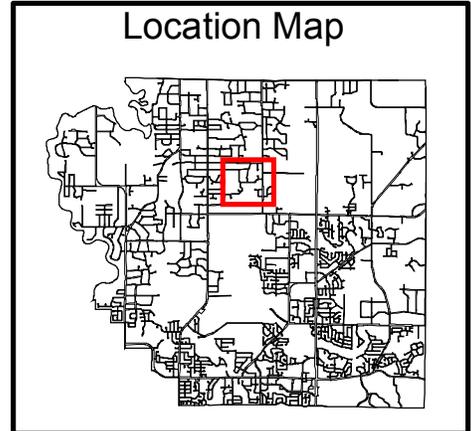
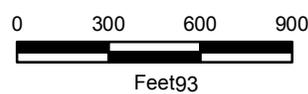
The rehabilitation of the streets will reduce the routine maintenance (crack sealing, pot hole patching, etc..) in the area. Long term, this reconditioning will prolong the structural stability of the roadway making for a longer serviceable life.

Project Name: ANNUAL STREET RECONSTRUCTION
LUND'S EVERGREEN ESTATES 2ND-5TH ADDITIONS

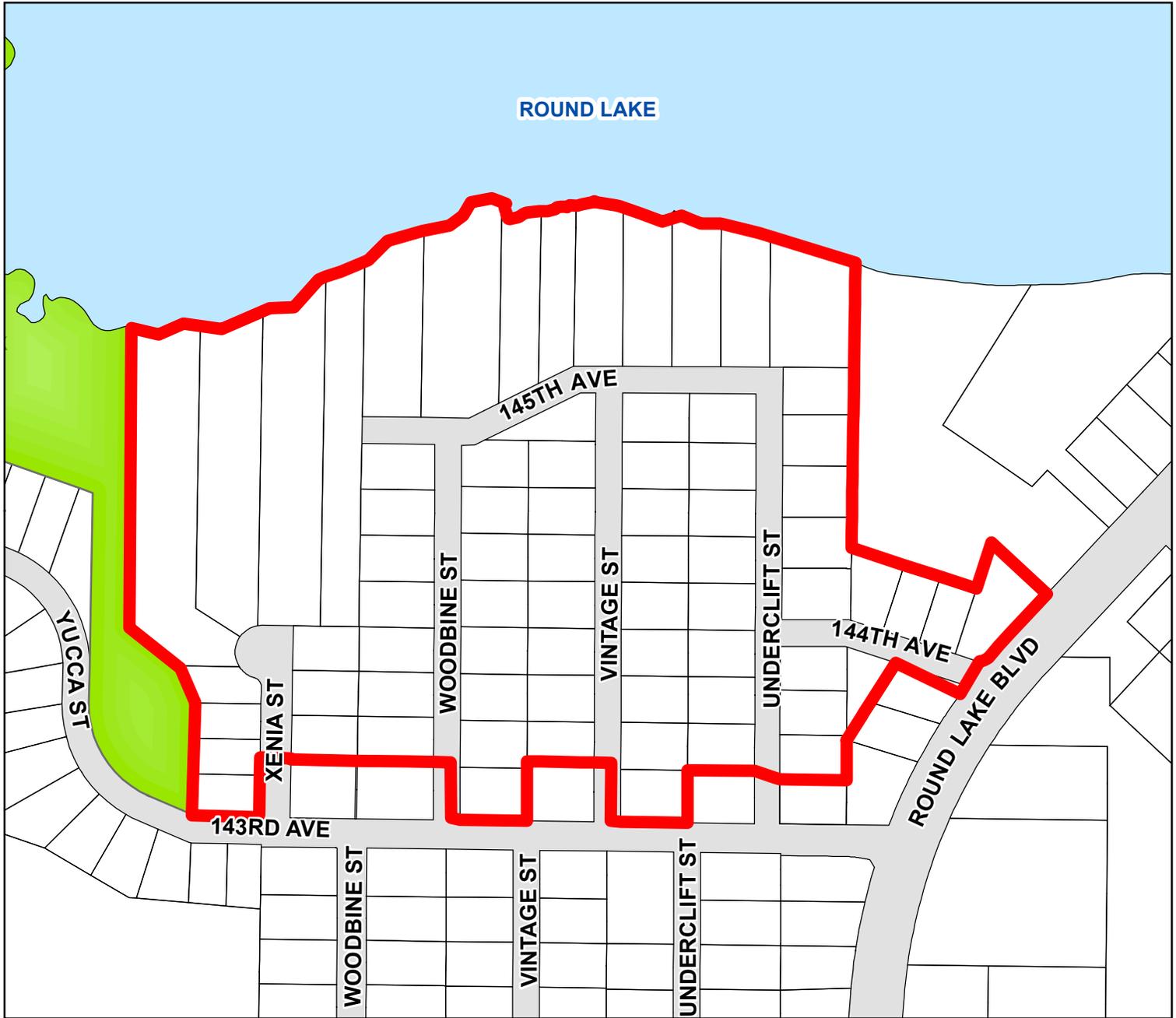


LEGEND

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

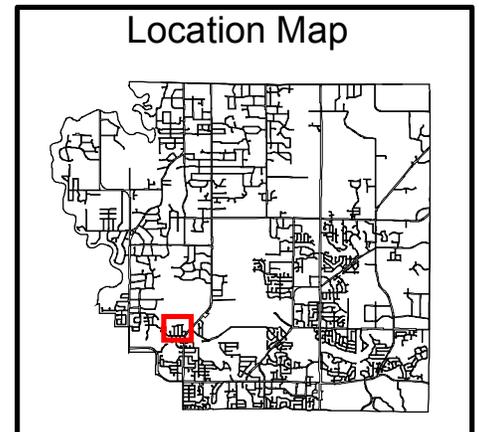
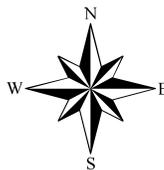


Project Name: ANNUAL STREET RECONSTRUCTION
 ANDOVER BOUNDARY COM. PLAT 1 & SHIRLEYS ESTATES

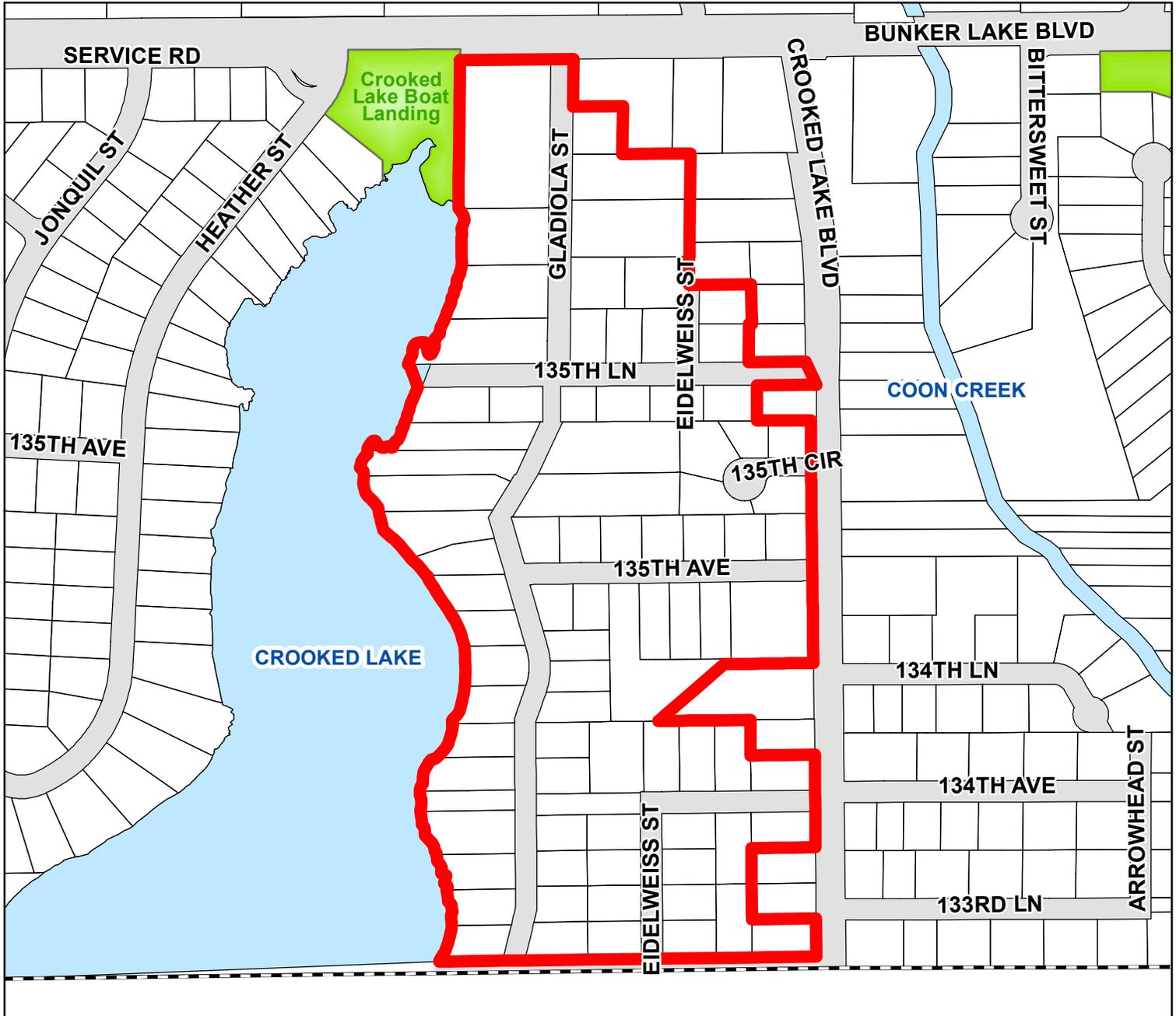


LEGEND

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

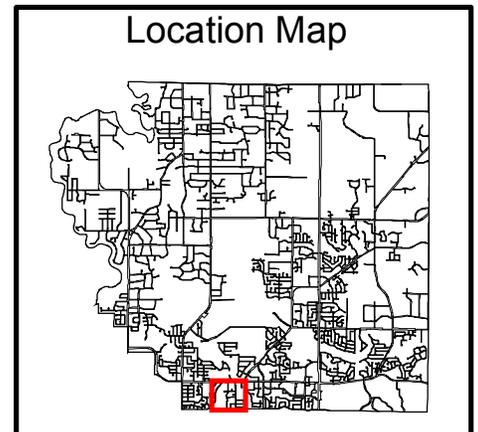
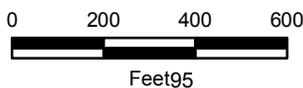
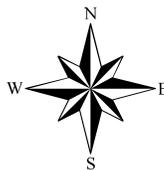


Project Name: ANNUAL STREET RECONSTRUCTION
AREA EAST OF CROOKED LAKE.

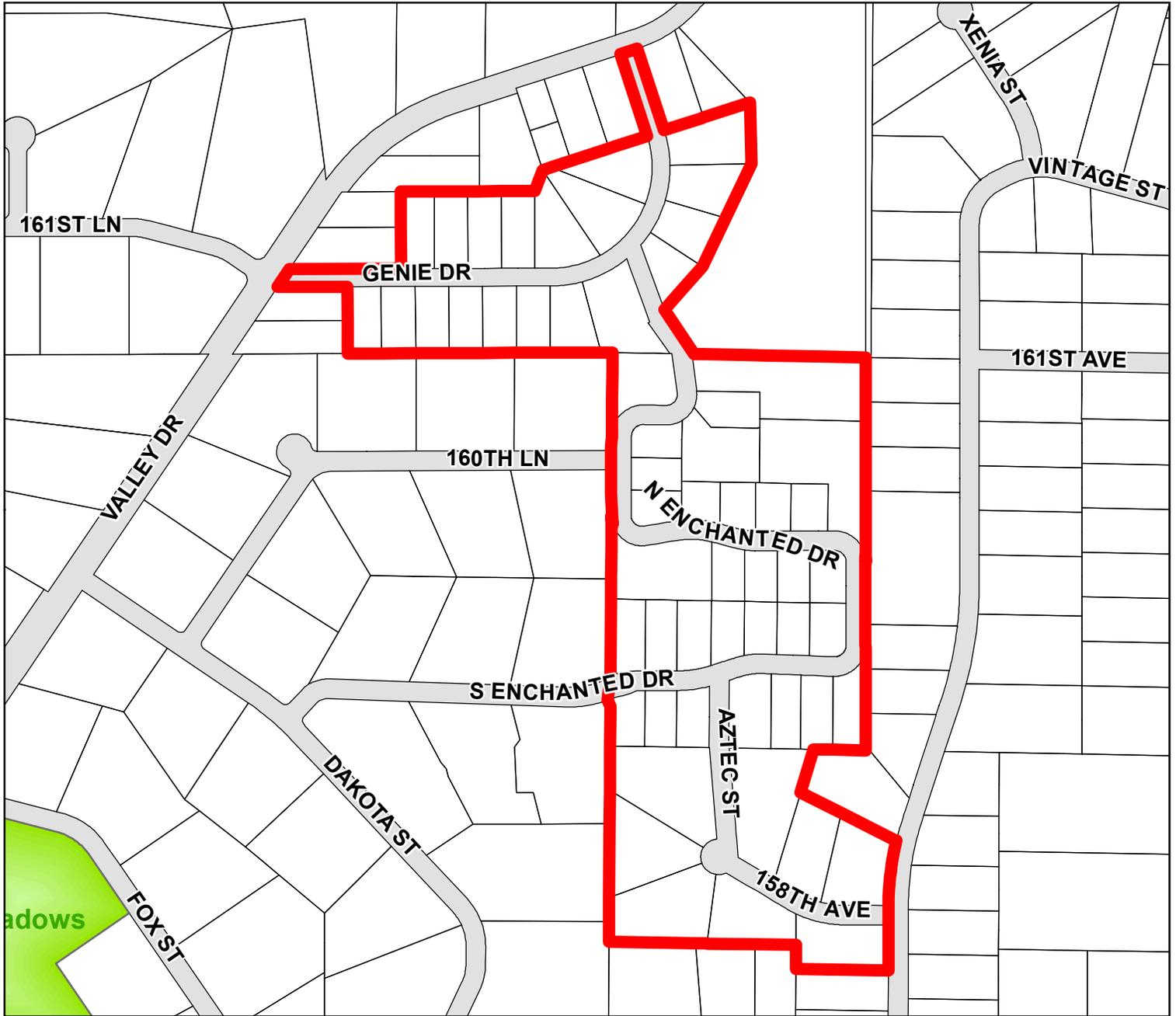


LEGEND

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

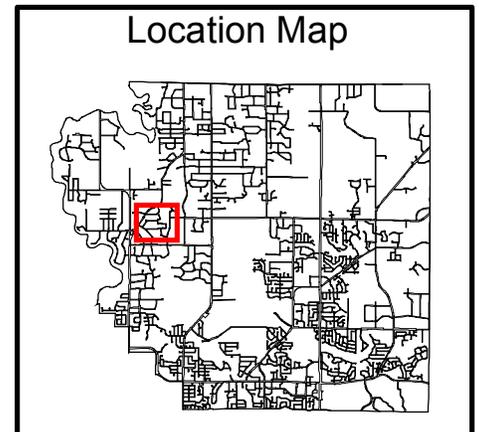
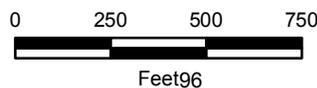
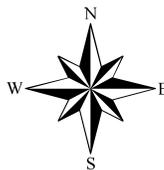


Project Name: ANNUAL STREET RECONSTRUCTION
ALLADIN ACRES & ENCHANTED DRIVE AREA

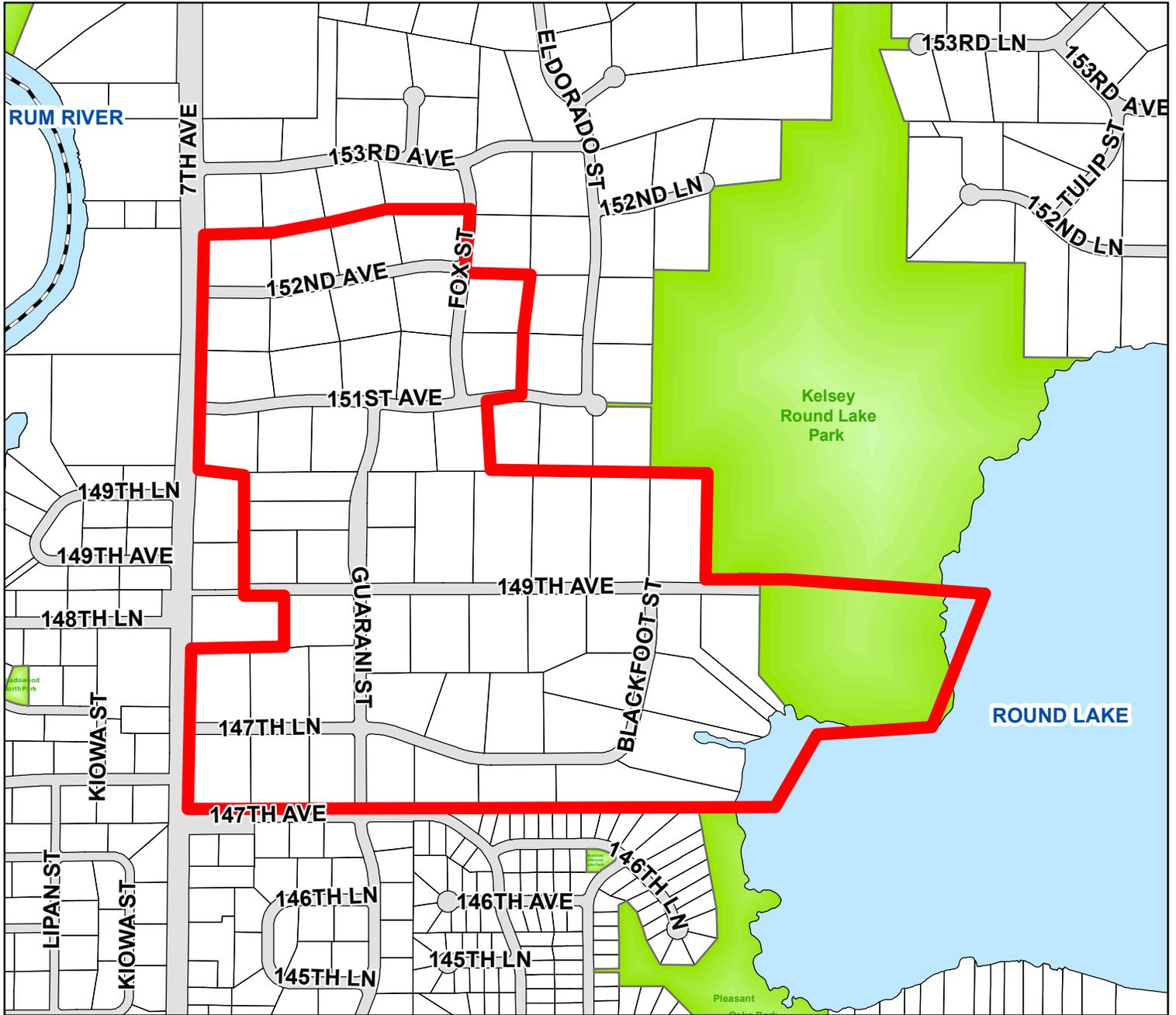


LEGEND

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

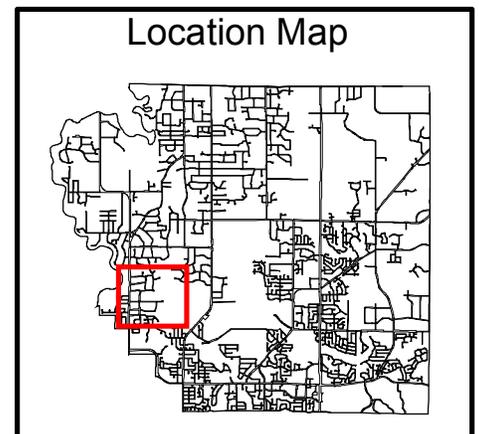
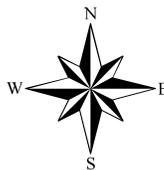


Project Name: ANNUAL STREET RECONSTRUCTION
 ANDOVER WEST, INDIAN MEADOWS 2ND ADDITION & LUNDS ROUND LAKE ESTATES



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-07
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.

2018 - Construction of a traffic signal at South Coon Creek Drive and Round Lake Blvd (\$285,000) if warrants are met.

2021 - Crosstown Blvd / Crosstown Drive Intersection. Improvements could include separating the southbound right turning movement onto Crosstown Drive to improve safety (\$275,000).

2021 - Nightingale Street / Crosstown Blvd Intersection. A round about with two pedestrian underpasses is being submitted for HSIP grant funding. Timing of this project would be dependant upon award of a grant (\$1,800,000). Grants typically require a minimum 10% City match.

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.

Expenditures	2017	2018	2019	2020	2021	Total
Construction		285,000			2,075,000	2,360,000
Total		285,000			2,075,000	2,360,000

Funding Sources	2017	2018	2019	2020	2021	Total
Grant					1,600,000	1,600,000
Municipal State Aid Funds		285,000			475,000	760,000
Total		285,000			2,075,000	2,360,000

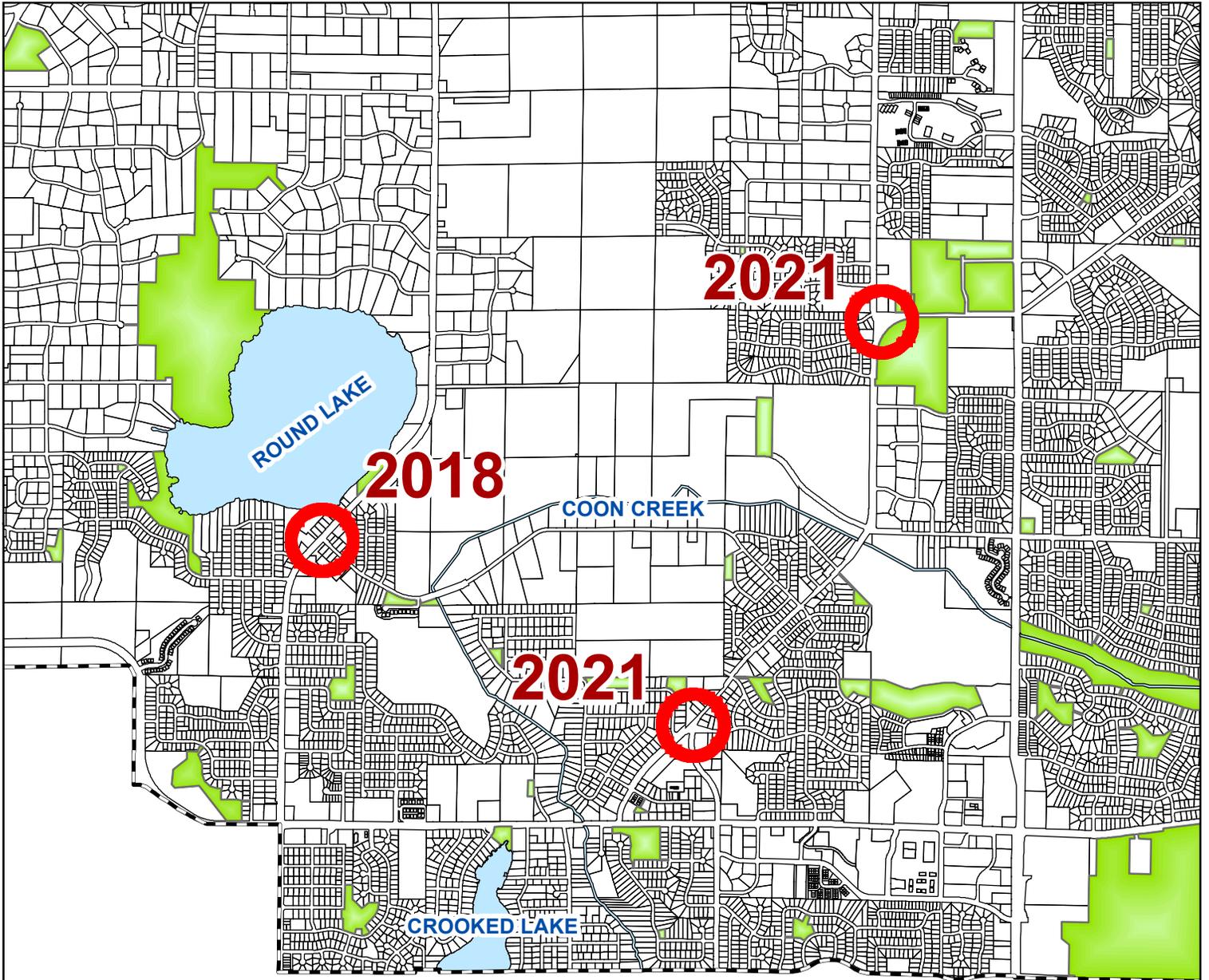
Budget Impact/Other

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



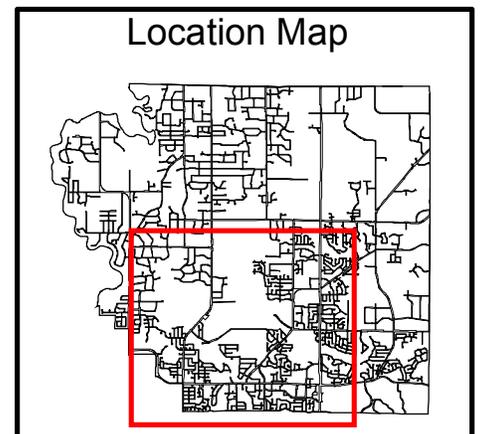
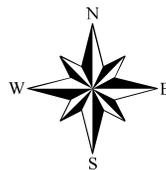
Capital Improvement Plan

Project Name: INTERSECTION UPGRADES
3 LOCATIONS



LEGEND

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



Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-08
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.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement	15,000	15,000	15,000	15,000	15,000	75,000
Total	15,000	15,000	15,000	15,000	15,000	75,000

Funding Sources	2017	2018	2019	2020	2021	Total
Road & Bridge Funds	15,000	15,000	15,000	15,000	15,000	75,000
Total	15,000	15,000	15,000	15,000	15,000	75,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-43100-01
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. The Engineering Department and Public Works will identify roads that meet this criteria one year prior to the overlay project being constructed.

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 its effects would not be long lasting. An overlay on a structurally sound road can prolong its useful life by 15 plus years.

Expenditures	2017	2018	2019	2020	2021	Total
Construction		400,000		400,000		800,000
Total		400,000		400,000		800,000

Funding Sources	2017	2018	2019	2020	2021	Total
Assessments		100,000		100,000		200,000
Road & Bridge Funds		300,000		300,000		600,000
Total		400,000		400,000		800,000

Budget Impact/Other

Overlying a structurally sound road will prolong its 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.)

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project #	17-48100-01
Project Name	Rehabilitation of Wells

Type	Improvement	Department	Water
Useful Life	7 Years	Contact	DPW / City Engineer
Category	Improvements	Priority	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.

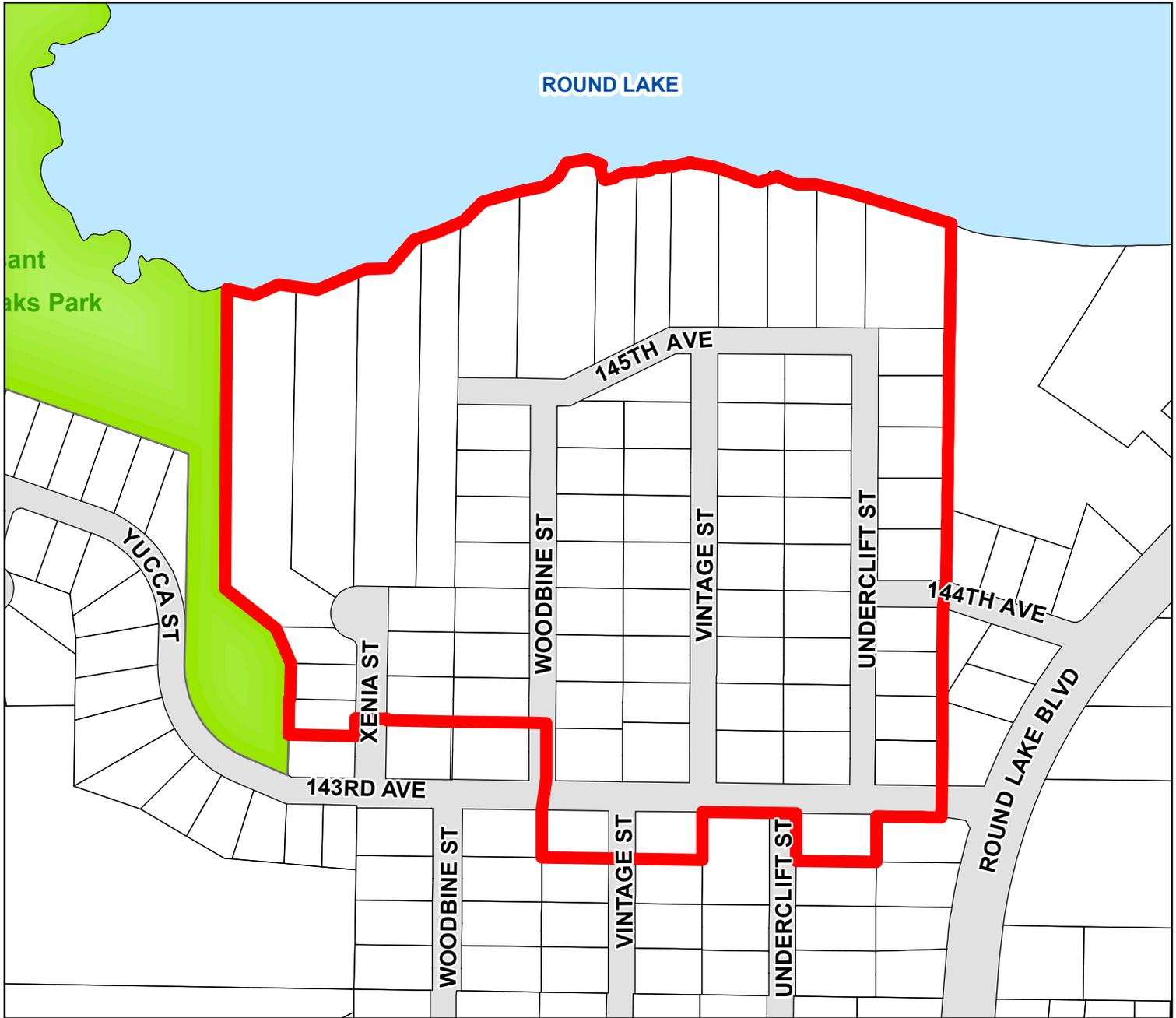
Expenditures	2017	2018	2019	2020	2021	Total
Improvement	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Fund	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Budget Impact/Other

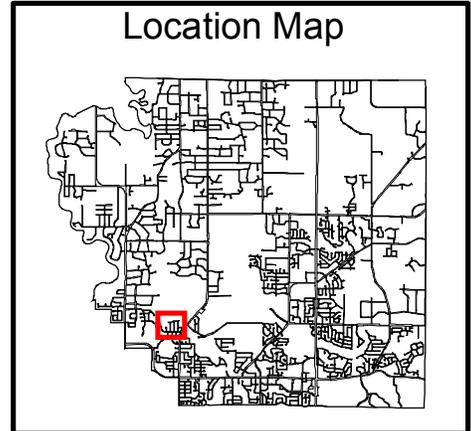
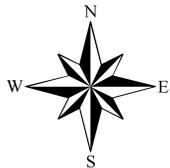
This would be done at such a time that it would not affect the demand needs of the system. Typically done late fall.

Project Name: WATER MAIN IMPROVEMENTS
 143RD AVE, ANDOVER BOUNDARY COM. PLAT 1 & SHIRLEYS ESTATES

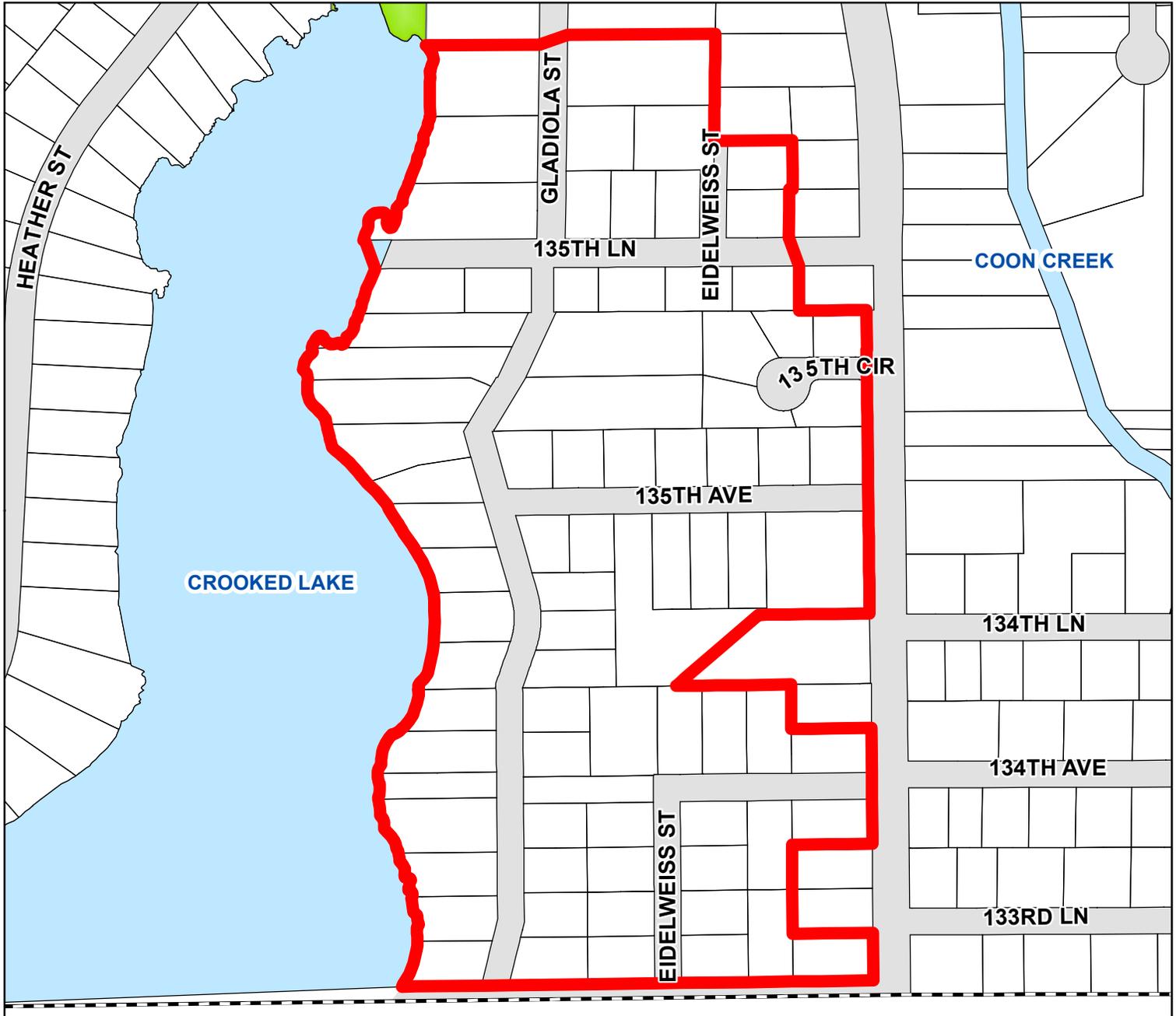


LEGEND

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

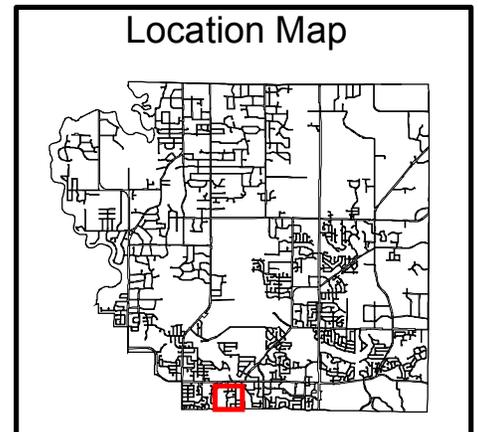
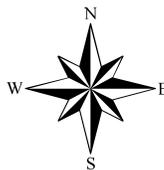


Project Name: WATER MAIN IMPROVEMENTS
AREA EAST OF CROOKED LAKE



LEGEND

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



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City of Andover, MN

Capital Plan

2017 thru 2021

DEPARTMENT SUMMARY

Department	2017	2018	2019	2020	2021	Total
Building			35,000			35,000
Central Equipment		40,000				40,000
Community Center		30,000	14,000	37,000	83,000	164,000
Emergency Management	45,000	45,000	45,000	45,000		180,000
Engineering		33,500				33,500
Facility Management	160,000					160,000
Finance			150,000			150,000
Fire	100,000	190,000	510,000	635,000	55,000	1,490,000
Information Technology		12,000				12,000
Park & Rec - Operations	200,000	225,000	166,000	27,000		618,000
Planning & Zoning	30,000					30,000
Sanitary Sewer	460,000	100,000				560,000
Storm Sewer		220,000	200,000			420,000
Street Signs	10,000					10,000
Streets / Highways	155,000		220,000	460,000	220,000	1,055,000
Water	30,000	108,000	900,000			1,038,000
TOTAL	1,190,000	1,003,500	2,240,000	1,204,000	358,000	5,995,500

City of Andover, MN

Capital Plan

2017 thru 2021

FUNDING SOURCE SUMMARY

Source	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	680,000	57,000	195,000	80,000	35,000	1,047,000
Comm Ctr Operations		30,000	14,000	10,000	83,000	137,000
Equipment Bond		688,500	1,111,000	1,082,000	220,000	3,101,500
G.O. Bond				12,000		12,000
General Fund	20,000	20,000	20,000	20,000	20,000	100,000
Sanitary Sewer Fund	245,000	116,000				361,000
Sewer Trunk Fund	230,000					230,000
Storm Sewer Fund		16,000				16,000
Water Fund	15,000	76,000	900,000			991,000
GRAND TOTAL	1,190,000	1,003,500	2,240,000	1,204,000	358,000	5,995,500

City of Andover, MN

Capital Plan

2017 thru 2021

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Building								
Replacement - Small Extended Cab Pick Up #8 <i>Equipment Bond</i>	19-42300-01	1			35,000			35,000
					<i>35,000</i>			<i>35,000</i>
Building Total					35,000			35,000
Central Equipment								
Replacement - Service Truck #371 <i>Equipment Bond</i>	18-48800-01	2		40,000				40,000
				<i>40,000</i>				<i>40,000</i>
Central Equipment Total				40,000				40,000
Community Center								
Replacement - Skate Sharpener <i>Comm Ctr Operations</i>	18-44200-01	1		10,000				10,000
				<i>10,000</i>				<i>10,000</i>
Replacement - Pickleball Inserts/Net System <i>Comm Ctr Operations</i>	18-44400-01	1		10,000				10,000
				<i>10,000</i>				<i>10,000</i>
New - Inflatables <i>Comm Ctr Operations</i>	18-44400-03	1		10,000				10,000
				<i>10,000</i>				<i>10,000</i>
Replacement - Zamboni Battery Pack <i>Comm Ctr Operations</i>	19-44300-06	1			14,000			14,000
					<i>14,000</i>			<i>14,000</i>
Replacement - Scissor Lift <i>Equipment Bond</i>	20-44000-01	1				15,000		15,000
						<i>15,000</i>		<i>15,000</i>
Replacement - Kaivac Cleaning System <i>Comm Ctr Operations</i>	20-44000-05	1				10,000		10,000
						<i>10,000</i>		<i>10,000</i>
Replacement - Camera/Security System <i>G.O. Bond</i>	20-44000-06	1				12,000		12,000
						<i>12,000</i>		<i>12,000</i>
Replacement - Floor Scrubber <i>Comm Ctr Operations</i>	21-44000-01	1					15,000	15,000
							<i>15,000</i>	<i>15,000</i>
Replacement - Electric Edger <i>Comm Ctr Operations</i>	21-44300-02	1					8,000	8,000
							<i>8,000</i>	<i>8,000</i>
Replacement - Evaporative Condenser <i>Comm Ctr Operations</i>	21-44300-03	1					60,000	60,000
							<i>60,000</i>	<i>60,000</i>
Community Center Total				30,000	14,000	37,000	83,000	164,000
Emergency Management								
Replacement - Emergency Sirens <i>Capital Equipment Reserve</i>	17-42400-02	1	45,000	45,000	45,000	45,000		180,000
			<i>45,000</i>	<i>45,000</i>	<i>45,000</i>	<i>45,000</i>		<i>180,000</i>
Emergency Management Total			45,000	45,000	45,000	45,000		180,000
Engineering								
Replacement - Data Collector/Total Station	18-41600-01	1		33,500				33,500

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
<i>Equipment Bond</i>				33,500				33,500
Engineering Total				33,500				33,500
Facility Management								
Replacement - Security Management System <i>Capital Equipment Reserve</i>	17-41900-03	1	100,000 100,000					100,000 100,000
HD Cabling - City Hall <i>Capital Equipment Reserve</i>	17-41900-05	1	60,000 60,000					60,000 60,000
Facility Management Total			160,000					160,000
Finance								
Financial / Payroll System Upgrade / Replacement <i>Capital Equipment Reserve</i>	19-41400-01	1			150,000 150,000			150,000 150,000
Finance Total					150,000			150,000
Fire								
Replacement - Turnout Gear <i>General Fund</i>	17-42200-01	1	20,000 20,000	20,000 20,000	20,000 20,000	20,000 20,000	20,000 20,000	100,000 100,000
Replacement - Extrication (Rescue) Equipment <i>Capital Equipment Reserve</i>	17-42200-02	1	80,000 80,000					80,000 80,000
Replacement - Grass #31 <i>Equipment Bond</i>	18-42200-01	1		85,000 85,000				85,000 85,000
Replacement - Grass #21 <i>Equipment Bond</i>	18-42200-02	1		85,000 85,000				85,000 85,000
Replacement - Tanker #11 <i>Equipment Bond</i>	19-42200-01	1			400,000 400,000			400,000 400,000
Replacement - Grass Utility Vehicle (UTV) #4813 <i>Equipment Bond</i>	19-42200-03	1			45,000 45,000			45,000 45,000
Replacement - 1999 GMC Sonoma Truck (U-10) #4810 <i>Equipment Bond</i>	19-42200-05	2			45,000 45,000			45,000 45,000
Replacement - SCBA Compressors <i>Equipment Bond</i>	20-42200-01	1				130,000 130,000		130,000 130,000
Replacement - 800 MHz radios <i>Capital Equipment Reserve</i>	20-42200-02	1				35,000 35,000	35,000 35,000	70,000 70,000
Replacement - Engine 21 #4884 <i>Equipment Bond</i>	20-42200-03	1				450,000 450,000		450,000 450,000
Fire Total			100,000	190,000	510,000	635,000	55,000	1,490,000
Information Technology								
Smartboard Addition <i>Capital Equipment Reserve</i>	18-41420-01	1		12,000 12,000				12,000 12,000
Information Technology Total				12,000				12,000
Park & Rec - Operations								
Replacement - One Ton Crew Cab Pickup #502 <i>Capital Equipment Reserve</i>	17-45000-03	1	50,000 50,000					50,000 50,000
New - Trail Machine <i>Capital Equipment Reserve</i>	17-45000-04	1	150,000 150,000					150,000 150,000
Replacement - One Ton Truck w/ Plow #599	18-45000-01	1		80,000				80,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
<i>Equipment Bond</i>				80,000				80,000
New - Wood Chipper Tow-Behind	18-45000-02	1		20,000				20,000
<i>Equipment Bond</i>				20,000				20,000
Replacement - Bobcat Track Loader #610	18-45000-03	1		55,000				55,000
<i>Equipment Bond</i>				55,000				55,000
Replacement - Small Extended Cab Truck #76	18-45000-04	1		55,000				55,000
<i>Equipment Bond</i>				55,000				55,000
New - "V" Snow Plow for #09-589	18-45000-05	1		15,000				15,000
<i>Equipment Bond</i>				15,000				15,000
Replacement - Water Tanker #161	19-45000-01	1			150,000			150,000
<i>Equipment Bond</i>					150,000			150,000
Replacement - Trailer #T-555	19-45000-02	1			16,000			16,000
<i>Equipment Bond</i>					16,000			16,000
Replacement - Cushman Field Dresser #547	20-45000-01	1				27,000		27,000
<i>Equipment Bond</i>						27,000		27,000
Park & Rec - Operations Total			200,000	225,000	166,000	27,000		618,000
Planning & Zoning								
Replacement - Planning Vehicle #7	17-41500-01	1	30,000					30,000
<i>Capital Equipment Reserve</i>			30,000					30,000
Planning & Zoning Total			30,000					30,000
Sanitary Sewer								
Replacement - Jet/Vac Truck #99	17-48200-02	1	460,000					460,000
<i>Sanitary Sewer Fund</i>			230,000					230,000
<i>Sewer Trunk Fund</i>			230,000					230,000
Replacement - One Ton Utility Truck #69	18-48200-02	1		100,000				100,000
<i>Sanitary Sewer Fund</i>				100,000				100,000
Sanitary Sewer Total			460,000	100,000				560,000
Storm Sewer								
Replacement - Tymco Street Sweeper #172	18-48300-01	1		220,000				220,000
<i>Equipment Bond</i>				220,000				220,000
Replacement - Elgin Street Sweeper #169	19-48300-01	1			200,000			200,000
<i>Equipment Bond</i>					200,000			200,000
Storm Sewer Total				220,000	200,000			420,000
Street Signs								
Sign Design Software and Plotter	17-43300-01	2	10,000					10,000
<i>Capital Equipment Reserve</i>			10,000					10,000
Street Signs Total			10,000					10,000
Streets / Highways								
Replacement - One Ton Truck w/ Plow #134	17-43100-11	1	80,000					80,000
<i>Capital Equipment Reserve</i>			80,000					80,000
New - One Ton Truck w/ Regular Box w/ Lift & Plow	17-43100-12	1	55,000					55,000
<i>Capital Equipment Reserve</i>			55,000					55,000
New - Bobcat paver	17-43100-13	1	20,000					20,000
<i>Capital Equipment Reserve</i>			20,000					20,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
New - Dump Truck w/ snow removal <i>Equipment Bond</i>	19-43100-01	1			220,000 <i>220,000</i>			220,000 <i>220,000</i>
Replacement - Dump Truck w/ Snow removal #198 <i>Equipment Bond</i>	20-43100-01	1				220,000 <i>220,000</i>		220,000 <i>220,000</i>
Replacement - Bobcat S185 #120 <i>Equipment Bond</i>	20-43100-02	1				50,000 <i>50,000</i>		50,000 <i>50,000</i>
Replacement - One Ton Truck w/ Plow #133 <i>Equipment Bond</i>	20-43100-03	1				80,000 <i>80,000</i>		80,000 <i>80,000</i>
Replacement - Backhoe Loader #80 <i>Equipment Bond</i>	20-43100-04	2				110,000 <i>110,000</i>		110,000 <i>110,000</i>
Replacement - Dump Truck w/ Snow removal #200 <i>Equipment Bond</i>	21-43100-01	1					220,000 <i>220,000</i>	220,000 <i>220,000</i>
Streets / Highways Total			155,000		220,000	460,000	220,000	1,055,000
Water								
Replacement - Dodge Dakota #95 <i>Sanitary Sewer Fund</i> <i>Water Fund</i>	17-48100-02	1	30,000 <i>15,000</i> <i>15,000</i>					30,000 <i>15,000</i> <i>15,000</i>
Replacement - 3/4 Ton Utility Truck #66 <i>Water Fund</i>	18-48100-02	1		60,000 <i>60,000</i>				60,000 <i>60,000</i>
Replacement - Side by Side UTV #70 <i>Sanitary Sewer Fund</i> <i>Storm Sewer Fund</i> <i>Water Fund</i>	18-48100-03	1		48,000 <i>16,000</i> <i>16,000</i> <i>16,000</i>				48,000 <i>16,000</i> <i>16,000</i> <i>16,000</i>
Water Meter Reading System AMI/AMR <i>Water Fund</i>	19-48100-01	2			900,000 <i>900,000</i>			900,000 <i>900,000</i>
Water Total			30,000	108,000	900,000			1,038,000
GRAND TOTAL			1,190,000	1,003,500	2,240,000	1,204,000	358,000	5,995,500

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-44400-01
Project Name Replacement - Pickleball Inserts/Net System

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



Description

Drill holes in the fieldhouse floor to use pickleball post inserts. Similar to a volleyball post.

Justification

Pickleball has become a huge use for the Community Center. Staff spends 45 minutes a day setting up and taking down portable nets. A net system with poles that slide into a drilled sleeve in the ground will provide a better playing experience and save on staff time.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement		10,000				10,000
Total		10,000				10,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

Overall cost of the new posts/nets will provide a better playing experience along with savings on the amount of time it takes staff to set up and tear down the nets.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-44400-03
Project Name New - Inflatables

Type Equipment
Useful Life 10 Years
Category Equipment

Department Community Center
Contact Comm Ctr Manager
Priority 1 - High



Description

Inflatables (jumpers) are used in the field house and are a big part of our tot programs and birthday parties.

Justification

Currently renting inflatables as needed. The purchase would be offset by the rental fees, in addition to, having them available at all times.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		10,000				10,000
Total		10,000				10,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations		10,000				10,000
Total		10,000				10,000

Budget Impact/Other

New inflatable costs are offset by the rental of them to birthday parties and special events.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-44300-06
Project Name Replacement - Zamboni Battery Pack

Type Equipment
Useful Life 7 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 5-7 years. Over time, the batteries will hold less of a charge and eventually have to be replaced.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles			14,000			14,000
Total			14,000			14,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations			14,000			14,000
Total			14,000			14,000

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 open. With the preventative maintenance program that is in place, we have achieved the maximum amount of time available on the battery pack before it has to be replaced. None of the 36 individual cells have been replaced as of yet but the battery pack will be 6 years old in 2018.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-44000-01
Project Name Replacement - Scissor Lift



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

Description

Replace a 2006 scissor lift with 118 hours. This piece of equipment is used by a few different departments throughout the city.

Justification

The scissor lift will be 15 years old and operating costs continue to rise.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment				15,000		15,000
Total				15,000		15,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond				15,000		15,000
Total				15,000		15,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

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	2017	2018	2019	2020	2021	Total
Equipment					15,000	15,000
Total					15,000	15,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations					15,000	15,000
Total					15,000	15,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 21-44300-03
Project Name Replacement - Evaporative Condenser



Type Equipment
Useful Life 25 Years
Category Equipment
Department Community Center
Contact Comm Ctr Manager
Priority 1 - High

Description

Replace the evaporative condenser. This is one of the main components of the refrigeration system that displaces the heat absorbed from the rink floor in the cooling process.

Justification

Without this piece of equipment, we would not be able to keep the floor cool or make ice.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment					60,000	60,000
Total					60,000	60,000

Funding Sources	2017	2018	2019	2020	2021	Total
Comm Ctr Operations					60,000	60,000
Total					60,000	60,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-41600-01
Project Name Replacement - Data Collector/Total Station



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

Description

Replace data collector and Total Station survey equipment.

Justification

As technology changes and survey equipment ages, it is important to have reliable and efficient equipment to perform the multiple projects that are completed each year.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		33,500				33,500
Total		33,500				33,500

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		33,500				33,500
Total		33,500				33,500

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-41900-05
Project Name HD Upgrade - City Hall Council Chambers

Type Equipment	Department Facility Management
Useful Life 5 years	Contact Finance Manager
Category Equipment	Priority 1 - High

Description

Upgrade the monitors on the dais and the video switching equipment, and provide the necessary equipment to allow individuals to display content from their laptops. This would upgrade the video in the council chambers to HD along with a couple of necessary audio upgrades.

Justification

This project would give the council chambers HD capabilities in addition to allowing the use of tablets to present information.

Expenditures	2017	2018	2019	2020	2021	Total
Technology Improvements	60,000					60,000
Total	60,000					60,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	60,000					60,000
Total	60,000					60,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project #	19-41400-01
Project Name	Financial / Payroll System Upgrade / Replacement

Type	Equipment	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.

Expenditures	2017	2018	2019	2020	2021	Total
Technology Improvements			150,000			150,000
Total			150,000			150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve			150,000			150,000
Total			150,000			150,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-42200-02
Project Name Replacement - Extrication (Rescue) Equipment

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



Description

Replace three (3) sets of hydraulic power equipment used to extricate people from vehicles and machinery. Each set goes on a fire engine at each station. Due to technological advancements we will be changing to battery operated power tools. This will reduce the overall cost of the equipment compared to the current style we have which requires a hydraulic pump, lines, and the tools. Maintenance costs will be reduced and this will also free up area in the fire engine compartments which is always an issue.

Justification

This request is to replace three sets of hydraulic power equipment used to cut people from vehicles and machinery. Technology to improve the strength and weight of vehicles has changed the metals they use to build them. One such metal is Boron. This super strong metal is now being placed inside many vehicles to support the roof and windshield from crushing the driver should a rollover occur. Because the metal is so strong, our current tools cannot cut through it leaving us unable to properly extricate the patient as quickly as we could. Technology has also improved the size and weight of the equipment reducing space needs and physical exertion on the firefighters.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	80,000					80,000
Total	80,000					80,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	80,000					80,000
Total	80,000					80,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-42200-01
Project Name Replacement - Grass #31



Type Equipment
Useful Life 20 Years
Category Equipment
Department Fire
Contact Fire Chief
Priority 1 - High

Description

Replace unit #4893, a 1991 Ford 4x4 grass vehicle with 23,321 miles. This also has been used as medical response truck for station #3. Now that the fire department has a separate vehicle that will be used to respond to medical calls, the new grass trucks will be designed to function for one primary purpose and will allow for new wildfire technologies to be put on the truck.

Justification

The fire department has now purchased new vehicles for rescue calls only and this will allow for the new grass trucks to have an extended life expectancy. The current grass vehicles have worked very hard responding to both wildfire and medical types of calls during most of the life of the trucks. The grass trucks also have many engine hours on them due to idling conditions while at grass fires and medical calls. By using separate vehicles for each function, both the grass fire vehicle and assigned medical vehicle will last for at least 15 years or more. This vehicle also pulls the trailer that holds the Polaris 6X6(G-32). We will also need to replace the slide in pump which is as old as the truck. The price includes the trucks, pump, lighting package and decals.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		85,000				85,000
Total		85,000				85,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		85,000				85,000
Total		85,000				85,000

Budget Impact/Other

The fire department will be looking to purchase a smaller and more maneuverable vehicle when it is time to replace the grass trucks. The current full size pick up trucks, while capable of handling larger tanks and more weight, can be difficult to use when the need to negotiate around obstacles during wildfires arises. The grass vehicles will be a four wheel drive type and should probably have winches mounted on the front of the vehicle. The smaller and more maneuverable vehicles should be less expensive but yet perform much better when using the off road functions and features.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-42200-02
Project Name Replacement - Grass #21



Type Equipment
Useful Life 20 Years
Category Equipment
Department Fire
Contact Fire Chief
Priority 1 - High

Description

Replace unit #4892, a 1991 Ford 4x4 grass vehicle with 22,210 miles. This has also been used as a medical response unit for Station #2. Now that the fire department has a separate vehicle that will be used to respond to medical calls, the new grass trucks will be designed to function for one primary purpose and will allow for new wildfire technologies to be put on the truck. We will need to not only replace the truck but also the slid in pump unit that is as old if not older. The cost includes the truck, pump, lighting package, and vehicle decals.

Justification

The fire department has now purchased new vehicles for rescue calls only and this will allow for the new grass trucks to have an extended life expectancy. The current grass vehicles have worked very hard responding to both wildfire and medical types of calls during most of the life of the trucks. The grass trucks also have many engine hours on them due to idling conditions while at grass fires and medical calls. By using separate vehicles for each function, both the grass fire vehicle and assigned medical vehicle will last for at least 15 years or more.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles		85,000				85,000
Total		85,000				85,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		85,000				85,000
Total		85,000				85,000

Budget Impact/Other

The fire department will be looking to purchase a smaller and more maneuverable vehicle when it is time to replace the grass trucks. The current full size pick up trucks, while capable of handling larger tanks and more weight, can be difficult to use when the need to negotiate around obstacles during wildfires arises. The grass vehicles will be a four wheel drive type and should probably have winches mounted on the front of the vehicle. The smaller and more maneuverable vehicles should be less expensive but yet perform much better when using the off road functions and features.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-42200-05
Project Name Replacement - 1999 GMC Sonoma Truck (U-10) #4810



Type Equipment
Useful Life 15-20 Years
Category Equipment
Department Fire
Contact Fire Chief
Priority 2 - Medium

Description

Replace unit #4810, a 1999 GMC Sonoma extended cab truck with 50,250 miles.

Justification

The use of smaller quick response vehicles provides great efficiency over our larger trucks. This truck is equipped with tools to handle incidents like smoke alarm checks, carbon monoxide alarms, medicals and the like. Typically staffed with one person, the duty officer using this truck responds to lower priority calls as a single unit rather than paging the entire station or stations out. This saves cost.

The current truck is rusting and over 15 years old. These trucks are not designed to last this long but our service department has kept them up nicely. We are asking to replace this truck with a similar truck to provide the same service.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles			45,000			45,000
Total			45,000			45,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond			45,000			45,000
Total			45,000			45,000

Budget Impact/Other

More efficient and less maintenance costs.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-42200-01
Project Name Replacement - SCBA Compressors



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.

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.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment				130,000		130,000
Total				130,000		130,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond				130,000		130,000
Total				130,000		130,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project #	20-42200-02
Project Name	Replacement - 800 MHz radios



Type	Equipment	Department	Fire
Useful Life	10 Years	Contact	Fire Chief
Category	Equipment	Priority	1 - High

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 be 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.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment				35,000	35,000	70,000
Total				35,000	35,000	70,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve				35,000	35,000	70,000
Total				35,000	35,000	70,000

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

2017 *thru* 2021

City of Andover, MN

Project # 17-45000-03
Project Name Replacement - One Ton Crew Cab Pickup #502



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

Description

Replace unit #502, a 2002 F350 crew cab pickup with 77,560 miles.

Justification

This truck is used for pulling a large trailer around the city with mowing equipment in the spring, summer and fall along with the summer part-time help. In the winter months, it is pulling equipment that is used to clear the ice skating rinks. A crew cab that can transport a mowing crew and all their equipment is an ideal situation.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	50,000					50,000
Total	50,000					50,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

Less cost per mile to operate and fewer break downs. The cost to operate this vehicle has increased to \$.50 per mile.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-45000-04
Project Name New - Trail Machine

Type Equipment
Useful Life 10 Years
Category Equipment

Department Park & Rec - Operations
Contact DPW / City Engineer
Priority 1 - High



Description

This would be a new trail machine to assist in the clearing of snow in the winter and keeping them clean through out the rest of the year.

Justification

This unit is used all year on the trail system. In the winter months its used to clear snow and the rest of the year its used to sweep the trails. It must be readily available at all times during the winter to clear the pedestrian trails around the city.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	150,000					150,000
Total	150,000					150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	150,000					150,000
Total	150,000					150,000

Budget Impact/Other

Increased maintenance costs with the addition of another trail machine.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-45000-01
Project Name Replacement - One Ton Truck w/ Plow #599



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

Description

Replace unit #599, a 2000 Ford F450 one-ton pickup and snow plow with 75,278 miles.

Justification

Maintenance cost are going up and this truck will be 18 years old.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles		80,000				80,000
Total		80,000				80,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		80,000				80,000
Total		80,000				80,000

Budget Impact/Other

Save on repair cost and down time.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-45000-02
Project Name New - Wood Chipper Tow-Behind



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

Description

Purchase a small towable wood chipper that can be hooked up to one of the smaller utility tractors. It will be used in the "open space areas" in the parks and along the trail system where we can not get the big machine in.

Justification

Sharing the current machine, it is too big and heavy to get down the trail system and into the open space areas are all concerns.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		20,000				20,000
Total		20,000				20,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		20,000				20,000
Total		20,000				20,000

Budget Impact/Other

Better use of time, would not have to haul everthing out with smaller equipment, trees and branches could be chipped up on the spot.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-45000-03
Project Name Replacement - Bobcat Track Loader #610

Type Equipment
Useful Life 10 Years
Category Equipment

Department Park & Rec - Operations
Contact DPW / City Engineer
Priority 1 - High



Description

Replace unit #610, a 2014 Bobcat T590 track loader with 642 hours.

Justification

Replace machine before the tracks and the idlers need to be replaced. We replaced the drive sprockets in the spring of 2016. Machine still has very good resale at this time.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		55,000				55,000
Total		55,000				55,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		55,000				55,000
Total		55,000				55,000

Budget Impact/Other

Cost are starting to go up.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-45000-04
Project Name Replacement - Small Extended Cab Truck #76



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

Description

Replace unit #76, a Chevrolet S-10 extended cab pickup with 51,480 miles.

Justification

This small truck would be replaced with a 3/4 ton truck and a snow plow. When all the one tons are out plowing, this vehicle would allow other staff to open up rinks and parking lots at the various parks.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles		55,000				55,000
Total		55,000				55,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		55,000				55,000
Total		55,000				55,000

Budget Impact/Other

Cheaper to operate than a one-ton 4-wheel drive truck.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-45000-05
Project Name New - "V" Snow Plow for #09-589

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



Description

A new heavier non-directional "V" plow to put on the front of the Belos trail machine.

Justification

The present plow is multi-directional and is heavy enough to scrape the trails clean but leaves a trail down the center. The trip edges have been repaired a number of times.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		15,000				15,000
Total		15,000				15,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

Having to go over the trail less times saves time and money.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-45000-01
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 56,125 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 in 2013 but are showing their age.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment			150,000			150,000
Total			150,000			150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond			150,000			150,000
Total			150,000			150,000

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

2017 *thru* 2021

City of Andover, MN

Project # 19-45000-02
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, 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 23 years of service.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment			16,000			16,000
Total			16,000			16,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond			16,000			16,000
Total			16,000			16,000

Budget Impact/Other

Less maintenace and down time.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-48200-02
Project Name Replacement - Jet/Vac Truck #99



Type Equipment
Useful Life 15-20 Years
Category Equipment
Department Sanitary Sewer
Contact DPW / City Engineer
Priority 1 - High

Description

Replace unit #99, a 1999 Vactor jet/vac truck with 26,015 miles. The new vehicle will be able to carry up to 2000 gallons and 600 feet of jetting hose.

Justification

Approximately 13 miles or 15% of the sanitary sewer system is trunk mains with diameters of 12" - 36". These trunk mains are flowing near capacity in some areas at the present time. By removing the sedimentation in these pipes, the flow line will drop giving more room for additional flows. In turn, this could put a hold on the addition of the designated lift station to by-pass certain areas for a year or more. This type of unit can also clean flared end sections in back yards and sedimentation ponds within a reasonable distance without having to leave the pavement. At the present time, most of the department's efforts are geared towards the storm sewer system because of the many failures and neglect that has taken place in the past. There are thirty six square miles of storm sewer systems and ninety miles of sanitary systems. The storm sewers are maintained from the spring of the year and ending in the fall. The sanitary system is then maintained during the winter months when conditions are less than favorable.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	460,000					460,000
Total	460,000					460,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sanitary Sewer Fund	230,000					230,000
Sewer Trunk Fund	230,000					230,000
Total	460,000					460,000

Budget Impact/Other

This truck will help save time with cleaning of the system. It will also allow the system to be cleaned under heavy flows which cannot be done with the machine currently being used. This type of VAC truck will allow the operators to clean more of the system without having to stop because the truck cannot handle the flows. It would save time by not having to plug mains and risk backups into basements because of some unforeseen difficulty.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-48300-01
Project Name Replacement - Tymco Street Sweeper #172



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

Description

Replace unit #172, a 2003 Tymco street sweeper with 29,400 miles.

Justification

The maintenance cost are starting to increase because of its age and the box is wearing thin. A number of patches have been welded on it already.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		220,000				220,000
Total		220,000				220,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond		220,000				220,000
Total		220,000				220,000

Budget Impact/Other

Looking to purchase a new, complete street sweeper with a stainless steel box to cut down on the maintenance cost.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-48300-01
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 4,534 hours.

Justification

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

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles			200,000			200,000
Total			200,000			200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond			200,000			200,000
Total			200,000			200,000

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

2017 *thru* 2021

City of Andover, MN

Project #	17-43300-01
Project Name	Sign Design Software and Plotter

Type	Equipment	Department	Street Signs
Useful Life	5 years	Contact	DPW / City Engineer
Category	Equipment	Priority	2 - Medium

Description

Replace old sign design software and plotter with updated software and plotter to design and make warning and regulatory signs.

Justification

As the sign design software and plotter become outdated there is a need to keep up with new software to provide efficiencies to the sign making process.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	10,000					10,000
Total	10,000					10,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	10,000					10,000
Total	10,000					10,000

Budget Impact/Other

The new software and plotter will provide increased productivity and efficiencies within the department.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-12
Project Name New - One Ton Truck w/ Regular Box w/ Lift & Plow

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



Description

New one ton 4x4 truck with a regular box, tail gate lift and a snow plow.

Justification

This pick-up will be used for plowing snow in the winter and the lift gate will be used for removing large dead animals and lifting/transporting equipment to job sites.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	55,000					55,000
Total	55,000					55,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	55,000					55,000
Total	55,000					55,000

Budget Impact/Other

Better use of personnel and equipment.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-43100-13
Project Name New - Bobcat paver

Type Equipment
Useful Life 15 Years
Category Equipment

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



Description

A bobcat style paver for paving/patching roads, shoulders and trails.

Justification

More efficient way to repair the trail system and patching of the larger area's of the street.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment	20,000					20,000
Total	20,000					20,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Equipment Reserve	20,000					20,000
Total	20,000					20,000

Budget Impact/Other

Better use of people and equipment.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 19-43100-01
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	2017	2018	2019	2020	2021	Total
Equipment			220,000			220,000
Total			220,000			220,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond			220,000			220,000
Total			220,000			220,000

Budget Impact/Other

Increase in operational costs.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-43100-01
Project Name Replacement - Dump Truck w/ Snow removal #198

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



Description

Replace unit #198, a 2000 dump truck with snow removal equipment with 56,278 miles.

Justification

Maintenance costs are starting to go up and getting parts for a 17 year old truck are getting harder to find and are more costly once they are found.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment				220,000		220,000
Total				220,000		220,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond				220,000		220,000
Total				220,000		220,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-43100-02
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 1,445 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	2017	2018	2019	2020	2021	Total
Equipment				50,000		50,000
Total				50,000		50,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond				50,000		50,000
Total				50,000		50,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 20-43100-04
Project Name Replacement - Backhoe Loader #80



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

Description

Replace unit #80, a 2002 Caterpillar backhoe loader with 3,200 hours.

Justification

Replace with a large tractor and snow blade/bucket for better use of equipment and cheaper than purchasing another front-end loader.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment				110,000		110,000
Total				110,000		110,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond				110,000		110,000
Total				110,000		110,000

Budget Impact/Other

Better use and cheaper to operate.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 21-43100-01
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 dump truck with snow removal equipment with 64,700 miles.

Justification

Maintenance cost are starting to go up and getting parts for a 17 year old truck are getting harder to find and are more costly once they are found.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment					220,000	220,000
Total					220,000	220,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Bond					220,000	220,000
Total					220,000	220,000

Budget Impact/Other

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

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 17-48100-02
Project Name Replacement - Dodge Dakota #95

Type Equipment
Useful Life 10 Years
Category Utilities
Department Water
Contact DPW / City Engineer
Priority 1 - High



Description

Replace unit #95, a 2000 Dodge Dakota pick up with 125,000 miles on it.

Justification

It is presently 16 years old and maintenance cost are starting to go up. It is at the end of its life cycle.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles	30,000					30,000
Total	30,000					30,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sanitary Sewer Fund	15,000					15,000
Water Fund	15,000					15,000
Total	30,000					30,000

Budget Impact/Other

Less break downs, less cost.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-48100-02
Project Name Replacement - 3/4 Ton Utility Truck #66

Type Equipment
Useful Life 10 Years
Category Utilities
Department Water
Contact DPW / City Engineer
Priority 1 - High



Description

Replace unit #66, a 2006 Ford F250 pickup with a utility box that has 114,000 miles.

Justification

Maintenance cost are going up and it is at the end of it's life cycle.

Expenditures	2017	2018	2019	2020	2021	Total
Vehicles		60,000				60,000
Total		60,000				60,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Fund		60,000				60,000
Total		60,000				60,000

Budget Impact/Other

Less breakdowns.

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project # 18-48100-03
Project Name Replacement - Side by Side UTV #70

Type Equipment
Useful Life 10 Years
Category Utilities
Department Water
Contact DPW / City Engineer
Priority 1 - High



Description

Replace unit #70, a 2004 IR 5600 Toolcat with 1,214 miles on it. A replacement for this unit should be capable of doing the same type of work as unit #70 but needs to have more power to do the job efficiently. The new unit shall be able to haul materials into and out of a job with ease. It shall also be equipped with hydraulics to use many different type of attachments such as a plow, snowblower, auger and any other attachment suited for this machine.

Justification

The current unit is under powered to do a lot of the backyard hauling where any type of grade change is present. The unit cannot climb up a maximum grade of a 10:1 slope while carrying a load and even has a hard time on level ground. Although the machine is used for a variety of uses like plowing snow or moving other equipment around, it still needs to be a more complete piece of equipment to use on a daily basis. This new unit will replace both the present John Deere Gator #93 and the Bobcat Toolcat #70.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment		48,000				48,000
Total		48,000				48,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sanitary Sewer Fund		16,000				16,000
Storm Sewer Fund		16,000				16,000
Water Fund		16,000				16,000
Total		48,000				48,000

Budget Impact/Other

Capital Plan

2017 *thru* 2021

City of Andover, MN

Project #	19-48100-01
Project Name	Water Meter Reading System AMI/AMR

Type	Equipment	Department	Water
Useful Life	20 Years	Contact	DPW / City Engineer
Category	Improvements	Priority	2 - Medium

Description

A meter reading system that will read all water meters by either a Fixed Base Reading System or a Drive By Radio Read System. The Fixed Base System is a system that is stationary with the means of reading all water meters from one or multiple points throughout the 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

It will allow the water utility to read meters with more efficiency and to provide customer's with more reliable readings. It will also increase revenues because the non reading or zero usage meters will be found earlier and repaired. With the present system, the utility waits for a minimum of a quarter before some meters are found to be faulty. Staff will have the ability to respond to customer concerns immediately and with documentation of customer usage.

Expenditures	2017	2018	2019	2020	2021	Total
Improvement			900,000			900,000
Total			900,000			900,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Fund			900,000			900,000
Total			900,000			900,000

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.

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

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTALS</u>
Projected Sources of Revenue							
Est. Annual MSA Construction Allocation	\$ 630,121	\$ 1,161,947	\$ 1,161,947	\$ 1,161,947	\$ 1,161,947	\$ 1,161,947	\$ 6,439,856
Est. Annual Maintenance Allocation	387,316	387,316	387,316	387,316	387,316	387,316	2,323,896
General Fund Commitment	(227,535)	(234,361)	(241,392)	(248,634)	(256,093)	(263,775)	(1,471,790)
Available MSA Maintenance	159,781	152,955	145,924	138,682	131,223	123,541	852,106
Total MSA Available for other Commitments	789,902	1,314,902	1,307,871	1,300,629	1,293,170	1,285,488	789,902
Federal / State Funds	-	-	-	-	-	1,600,000	1,600,000
Assessments*	1,053,000	552,000	380,500	430,000	388,000	332,000	3,135,500
LGA - Local Government Aid	2,706	-	-	-	-	-	2,706
Tax Levy	1,150,984	1,179,154	1,204,119	1,231,405	1,259,523	1,288,503	7,313,688
Total Revenues Available	2,996,592	3,046,056	2,892,490	2,962,034	2,940,693	4,505,991	12,841,796
Projected Commitments							
MSA - New & Reconstruct Routes	2,600,000	1,300,000	820,000	1,690,000	350,000	290,000	7,050,000
MSA - Intersection Upgrades	-	-	285,000	-	-	2,075,000	2,360,000
R & B - Pavement Markings	40,000	42,000	44,000	46,000	48,000	50,000	270,000
R & B - Curb Replacement	50,000	50,000	52,000	54,000	56,000	58,000	320,000
R & B - New & Reconstruct Routes	693,000	1,236,000	821,000	1,143,000	1,092,000	1,268,000	6,253,000
R & B - Seal Coating	460,000	725,000	250,000	260,000	275,000	285,000	2,255,000
R & B - Crack Sealing	225,000	143,000	162,000	235,000	280,000	365,000	1,410,000
R & B - Gravel Road Improvements	15,000	15,000	15,000	15,000	15,000	15,000	90,000
R & B - Overlays	-	-	400,000	-	400,000	-	800,000
Pedestrian Trail Reconstruction	50,000	60,000	80,000	100,000	120,000	140,000	550,000
Pedestrian Trail Curb Ramp Replacements	-	15,000	16,000	17,000	18,000	19,000	85,000
Pedestrian LED Crosswalk Warning System	-	21,000	-	-	-	-	21,000
Pedestrian Trail Maintenance	45,000	50,000	55,000	60,000	65,000	70,000	345,000
Total Commitments	4,178,000	3,657,000	3,000,000	3,620,000	2,719,000	4,635,000	21,809,000
Revenues Over (Under) Expenditures	(1,181,408)	(610,944)	(107,510)	(657,966)	221,693	(129,009)	
Fund Balance as of December 31, 2015	5,511,747						
Fund Balance Brought Forward		4,330,339	3,719,395	3,611,885	2,953,919	3,175,613	
Ending Fund Balance	\$ 4,330,339	\$ 3,719,395	\$ 3,611,885	\$ 2,953,919	\$ 3,175,613	\$ 3,046,603	

* Assuming collected in same year

CITY OF ANDOVER
Park Improvement Fund
Projected Fund Balance

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTALS</u>
Projected Sources of Revenue							
Park Dedication Fee - Residential Units		50	25	25	25	25	
Park Dedication Fee - Residential (\$2,952/unit)	\$ 365,830	\$ 147,600	\$ 73,800	\$ 73,800	\$ 73,800	\$ 73,800	\$ 808,630
Park Dedication Fee - Commercial	-	-	-	-	-	-	-
Donation / Contribution	-	100,000	-	-	-	-	100,000
Capital Projects Levy - Park Improvements	15,000	15,000	15,000	15,000	15,000	15,000	90,000
Total Revenues Available	380,830	262,600	88,800	88,800	88,800	88,800	998,630
Projected Commitments							
Rose Park - tower rental fee	4,635						4,635
Lions Park - irrigation	17,042						17,042
Kelsey Round Lake Park - Master Plan	9,665						9,665
Timber Trails Park - Renovation	284,000						284,000
Terrace Park - Irrigation & Water Service	35,000						35,000
Sunshine Park - Scoreboard Wiring & Design	27,000						27,000
Irrigation Project - Small		20,000	20,000	20,000			60,000
Nordeen's Park - Basketball court		7,500					7,500
Fox Meadows - Reconstruction		457,300					457,300
Pine Hills North - Phase II							
Storage Building (Donations)		100,000					100,000
Parking Lot w/ Curb (30% Park Dedication)					120,000		120,000
Wild Iris Park - Irrigation & Water Service					42,500		42,500
Annual Miscellaneous Projects	15,000	15,000	15,000	15,000	15,000	15,000	90,000
Total Commitments	392,342	599,800	35,000	35,000	177,500	15,000	1,254,642
Revenues Over (Under) Expenditures	(11,512)	(337,200)	53,800	53,800	(88,700)	73,800	
Fund Balance as of December 31, 2015	376,632						
Fund Balance Brought Forward		365,120	27,920	81,720	135,520	46,820	
Ending Fund Balance **	\$ 365,120	\$ 27,920	\$ 81,720	\$ 135,520	\$ 46,820	\$ 120,620	

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

CITY OF ANDOVER
Trail Fund
Projected Fund Balance

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTALS</u>
Projected Sources of Revenue							
Trail Fee \$784 per unit platted units		50	25	25	25	25	
Trail Fee	\$ 99,474	\$ 39,200	\$ 19,600	\$ 19,600	\$ 19,600	\$ 19,600	\$ 217,074
Grant	-	-	-	265,000	-	-	265,000
Operating Transfer In	250,000	-	-	-	-	-	250,000
Total Revenues Available	<u>349,474</u>	<u>39,200</u>	<u>19,600</u>	<u>284,600</u>	<u>19,600</u>	<u>19,600</u>	<u>732,074</u>
Projected Commitments							
8' Bituminous Trail along Crosstown Blvd - Coon Creek Bridge to S. Coon Creek Dr	220,000						220,000
5' Concrete Sidewalk along Bunker Lk Blvd - Yukon St to Hidden Creek North Park	55,000						55,000
8' Bituminous Trail and Boardwalk along Crosstown Blvd - Bunker Lk Blvd to 140th Ave		565,000					565,000
8' Bituminous Trail along Andover Blvd - Bluebird St to Vale St			225,000				225,000
10' Bituminous Trail along WDE site - Kennsington Estates 7th Add. to Andover Station North				265,000			265,000
8' Bituminous Trail along Crosstown Blvd - Xeon St to railroad tracks					165,000		165,000
Railroad tracks to 157th Ave					300,000		300,000
157th Ave to 159th Ave					245,000		245,000
8' Bituminous Trail along Verdin St - 161st Ave to 163rd Lane						400,000	400,000
Total Commitments	<u>275,000</u>	<u>565,000</u>	<u>225,000</u>	<u>265,000</u>	<u>710,000</u>	<u>400,000</u>	<u>\$ 2,440,000</u>
Revenues Over (Under) Expenditures	74,474	(525,800)	(205,400)	19,600	(690,400)	(380,400)	
Fund Balance as of December 31, 2015	347,400						
Fund Balance Brought Forward		421,874	(103,926)	(309,326)	(289,726)	(980,126)	
Ending Fund Balance *	<u>\$ 421,874</u>	<u>\$ (103,926)</u>	<u>\$ (309,326)</u>	<u>\$ (289,726)</u>	<u>\$ (980,126)</u>	<u>\$ (1,360,526)</u>	

*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

	2016	2017	2018	2019	2020	2021	TOTALS
Projected Sources of Revenue							
Capital Projects Levy	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
Capital Equipment Purchases Levy	-	500,000	-	-	-	-	500,000
Donations	2,000	2,000	-	-	-	-	4,000
Miscellaneous Revenues	6,000	-	-	-	-	-	6,000
Total Revenues Available	258,000	752,000	250,000	250,000	250,000	250,000	2,010,000
Projected Commitments							
Annual Parking Lot Maintenance	30,000	30,000	130,000	30,000	30,000	30,000	280,000
Andover Lions Park	19,980						19,980
Pine Hills North Parking Lot					280,000		280,000
Replacement - Crooked Lake School Hockey Rink	7,490						7,490
Microsoft Upgrade	15,000						15,000
Public Works / Community Center Master Planning	11,484						11,484
Replacement - SCBA's	250,000						250,000
Add/Replace - Server	20,000						20,000
Replacement - 800 MHz Radios	35,000				35,000	35,000	105,000
Sign Design Software & Plotter		10,000					10,000
Replacement - Security Management System		100,000					100,000
Replacement - Planning Vehicle #7		30,000					30,000
Public Works Relocation / Expansion		50,000					50,000
ACC / YMCA Expansion		75,000					75,000
Replacement - Extrication (Rescue) Equipment		80,000					80,000
Replacement - One Ton Truck w/ Plow #134		80,000					80,000
New - One Ton Truck w/ Regular Box w/ Lift & Plow		55,000					55,000
New - Bobcat Paver		20,000					20,000
Replacement - One Ton Crew Cab Pickup #502		50,000					50,000
New - Trail Machine		150,000					150,000
Replacement - Carpet/Tile		10,000		10,000		10,000	30,000
Replacement - Emergency Sirens		45,000	45,000	45,000	45,000		180,000
Emergency Operations Center Improvements		40,000	18,000	7,500			65,500
HD Cabling - City Hall		60,000					60,000
Smartboard Addition			12,000				12,000
Financial / Payroll System Upgrade / Replacement				150,000			150,000
Building A - Seal Floor				25,000			25,000
Memorial - Veterans Memorial				10,000			10,000
Surface Seal all Brick Structures					48,000		48,000
Natural Disaster Reserve	350,000						350,000
QCTV - Council Chambers	93,663						93,663
Total Commitments	832,617	885,000	205,000	277,500	438,000	75,000	2,713,117
Revenues Over (Under) Expenditures	(574,617)	(133,000)	45,000	(27,500)	(188,000)	175,000	
Fund Balance as of December 31, 2015	1,051,687						
Fund Balance Brought Forward		477,070	344,070	389,070	361,570	173,570	
Ending Fund Balance	\$ 477,070	\$ 344,070	\$ 389,070	\$ 361,570	\$ 173,570	\$ 348,570	

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CITY OF ANDOVER
Water System Financial Projections

Year					Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Inflation Factor					3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Ave. Use (gal per user per qtr)	41,662	37,400	32,000	34,000	35,000	35,000	35,000	35,000	35,000	35,000
Acres Added						5	5	5	5	5
New Connections						10	10	10	10	10
New Customers						35	35	35	35	35
Residential Accounts	6,161	6,218	6,276	6,325	6,325					
Commercial/Institutional Accts	142	149	153	155	155					
Total Accounts	6,303	6,367	6,429	6,480	6,480	6,515	6,550	6,585	6,620	6,655
		1.02%	0.97%	0.79%	0.79%					
Rates										
Base Rate	\$11.89	\$12.19	\$12.50	\$12.81	\$13.13	\$13.46	\$13.79	\$14.14	\$14.49	\$14.86
Use Rate	\$1.89	\$1.96	\$1.98	\$1.98	\$2.12	\$2.19	\$2.27	\$2.35	\$2.43	\$2.52
Connection Charge	\$3,972	\$4,131	\$4,296	\$4,296	\$4,647	\$4,833	\$5,026	\$5,227	\$5,436	\$5,654
Area Charge	\$3,640	\$3,786	\$3,937	\$3,934	\$4,258	\$4,428	\$4,605	\$4,790	\$4,981	\$5,181
Base Rate	0.0%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Use Rate	0.0%	3.7%	1.0%	0.0%	7.1%	3.5%	3.5%	3.5%	3.5%	3.5%
Connection Charge	0.0%	4.0%	4.0%	0.0%	8.2%	4.0%	4.0%	4.0%	4.0%	4.0%
Area Charge	0.0%	4.0%	4.0%	-0.1%	8.2%	4.0%	4.0%	4.0%	4.0%	4.0%

Enterprise Fund - Water Operations					Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Cash flows from operating activities:										
Receipts from customers and users	\$ 2,551,954	\$ 2,305,675	\$ 2,178,391	\$ 2,741,777	\$ 2,470,186	\$ 2,452,052	\$ 2,543,926	\$ 2,639,346	\$ 2,738,448	\$ 2,841,373
Payment to suppliers	(1,015,656)	(742,008)	(745,176)	(825,038)	(933,500)	(985,315)	(1,014,874)	(1,045,321)	(1,076,680)	(1,108,981)
Payment to employees	(405,159)	(382,518)	(408,441)	(408,276)	(446,234)	(460,299)	(474,108)	(488,331)	(502,981)	(518,071)
Net from operating activities	1,131,139	1,181,149	1,024,774	1,508,463	1,090,452	1,006,438	1,054,943	1,105,694	1,158,786	1,214,322
Cash flows from noncapital financing activities:										
Transfers in	7,134	4,242	20,737	58,249	85,096	54,228	40,530	12,332	12,826	13,339
Transfers out	(150,250)	(150,250)	(150,250)	(150,250)	(150,250)	(150,250)	(150,250)	(150,250)	(150,250)	(150,250)
Net from noncapital financing activities	(143,116)	(146,008)	(129,513)	(92,001)	(65,154)	(96,022)	(109,720)	(137,918)	(137,424)	(136,911)
Cash flows from capital and related financing activities:										
Acquisition of capital assets	-	-	-	(2,863)	-	(15,000)	(76,000)	(900,000)	-	-
Payment on debt	(7,600,675)	(830,166)	(828,807)	(831,486)	(833,101)	(828,751)	(833,338)	(826,776)	(829,045)	(824,706)
Proceeds from the sale of capital assets	-	4,000	-	-	-	-	-	-	-	-
Net from capital and related financing activities	(7,600,675)	(826,166)	(828,807)	(834,349)	(833,101)	(843,751)	(909,338)	(1,726,776)	(829,045)	(824,706)
Cash flows from investing activities:										
Investment income	286,720	(7,318)	44,576	23,913	15,000	15,000	15,000	15,000	15,000	15,000
Net increase in cash and cash equivalents	(6,325,932)	201,657	111,030	606,026	207,197	81,665	50,885	(744,000)	207,317	267,705
Cash and cash equivalents - January 1	8,267,714	1,941,782	2,143,439	2,254,469	2,860,495	3,067,692	3,149,357	3,200,242	2,456,241	2,663,559
Cash and cash equivalents - December 31	\$ 1,941,782	\$ 2,143,439	\$ 2,254,469	\$ 2,860,495	\$ 3,067,692	\$ 3,149,357	\$ 3,200,242	\$ 2,456,241	\$ 2,663,559	\$ 2,931,264

CITY OF ANDOVER
Water System Financial Projections

	Estimate					Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Capital Projects Fund - Water Trunk										
Revenues										
Connection Charges	\$ 118,495	\$ 332,853	\$ 487,928	\$ 309,873	\$ 231,598	\$ 48,329	\$ 50,262	\$ 52,272	\$ 54,363	\$ 56,538
Area Charges	-	-	-	-	-	22,142	23,027	23,948	24,906	25,903
Interest	54,177	(19,830)	71,236	35,034	25,000	25,000	25,000	25,000	25,000	25,000
Special Assessment	59,440	34,216	37,274	42,342	286,072	30,000	30,000	30,000	30,000	30,000
Replacement Reserve	-	-	-	-	-	-	-	-	-	-
Xfer In	-	-	-	-	-	-	-	-	-	-
Total	232,112	347,239	596,438	387,249	542,670	125,470	128,289	131,221	134,270	137,440
Expenses										
Debt Service	-	-	-	-	-	-	-	-	-	-
Capital Outlay	784	973,950	183,920	112,150	470,792	43,000	683,000	755,000	50,000	55,000
Xfer Out	7,134	4,242	20,737	58,249	85,096	54,228	40,530	12,332	12,826	13,339
Total	7,918	978,192	204,657	170,399	555,888	97,228	723,530	767,332	62,826	68,339
Net Increase (Decrease) in Fund Balance	224,194	(630,953)	391,781	216,850	(13,218)	28,242	(595,241)	(636,111)	71,444	69,101
Fund Balance - January 1	2,652,691	2,876,885	2,245,932	2,637,713	2,854,563	2,841,345	2,869,587	2,274,347	1,638,235	1,709,679
Fund Balance - December 31	\$ 2,876,885	\$ 2,245,932	\$ 2,637,713	\$ 2,854,563	\$ 2,841,345	\$ 2,869,587	\$ 2,274,347	\$ 1,638,235	\$ 1,709,679	\$ 1,778,780
Capital Projects										
Wells										
Rehab Wells										
Trunk						50,000	50,000	50,000	50,000	50,000
New Development Projects						43,000	43,000	45,000	50,000	55,000
Water Main Improvements							640,000	710,000		
Plant									25,000	
Equipment						15,000	76,000			
Automated Meter Reading System								900,000		
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,000	\$ 809,000	\$ 1,705,000	\$ 125,000	\$ 105,000
Funded by Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 126,000	\$ 950,000	\$ 75,000	\$ 50,000
Funded by Infrastructure/Trunk	-	-	-	-	-	43,000	683,000	755,000	50,000	55,000
Funded by debt	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,000	\$ 809,000	\$ 1,705,000	\$ 125,000	\$ 105,000
Debt										
Rate	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	15	15	15	15	15	15
AADS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cumulative DS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Current DS	\$ 7,600,675	\$ 830,166	\$ 828,806	\$ 831,487	\$ 833,101	\$ 828,751	\$ 833,338	\$ 826,776	\$ 829,045	\$ 824,706

CITY OF ANDOVER
Sanitary Sewer System Financial Projections

Year	Actual				Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	7,093	7,130	7,177	7,238	7,511					
Commercial SACs	1,411	1,479	1,499	1,691	1,517					
Total Accounts	8,504	8,609	8,676	8,929	9,063	9,098	9,133	9,168	9,203	9,238
		1.23%	0.78%	2.92%	1.50%					
Rates										
Base Rate	\$59.37	\$59.37	\$59.37	\$59.37	\$59.37	\$61.15	\$62.99	\$64.88	\$66.82	\$68.83
Connection Charge	\$435	\$435	\$435	\$435	\$435	\$452	\$470	\$489	\$509	\$529
Area Charge	\$1,613	\$1,613	\$1,613	\$1,613	\$1,613	\$1,678	\$1,745	\$1,814	\$1,887	\$1,962
Base Rate		0.0%	0.0%	0.0%	0.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Connection/Area		0.0%	0.0%	0.0%	0.0%	4.0%	4.0%	4.0%	4.0%	4.0%
Area Charge		0.0%	0.0%	0.0%	0.0%	4.0%	4.0%	4.0%	4.0%	4.0%

Enterprise Fund - Sanitary Sewer Operations	Actual				Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Cash flows from operating activities:										
Receipts from customers and users	\$ 2,035,033	\$ 1,964,283	\$ 1,938,680	\$ 2,244,730	\$ 2,152,281	\$ 2,225,411	\$ 2,300,991	\$ 2,379,103	\$ 2,459,832	\$ 2,543,262
Payment to suppliers	(1,051,249)	(1,182,075)	(1,156,406)	(1,185,024)	(1,347,613)	(1,385,412)	(1,426,974)	(1,469,784)	(1,513,877)	(1,559,293)
Payment to employees	(294,583)	(287,648)	(295,075)	(320,710)	(337,491)	(349,622)	(360,111)	(370,914)	(382,041)	(393,503)
Net from operating activities	689,201	494,560	487,199	738,996	467,177	490,377	513,906	538,406	563,913	590,466
Cash flows from noncapital financing activities:										
Transfers out - Replacement Reserve	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)	(400,000)
Transfers out	(46,680)	(46,680)	(46,680)	(46,680)	(46,680)	(46,680)	(48,080)	(49,523)	(51,008)	(52,539)
Net from noncapital financing activities	(446,680)	(446,680)	(446,680)	(446,680)	(446,680)	(446,680)	(448,080)	(449,523)	(451,008)	(452,539)
Cash flows from capital and related financing activities:										
Acquisition of capital assets	(4,482)	(54,573)	-	(81,749)	-	(245,000)	(116,000)	-	-	-
Proceeds from the sale of capital assets	-	4,000	-	-	-	-	-	-	-	-
Net from capital and related financing activities	(4,482)	(50,573)	-	(81,749)	-	(245,000)	(116,000)	-	-	-
Cash flows from investing activities:										
Investment income	45,390	(15,205)	68,423	31,306	30,000	30,000	30,000	30,000	30,000	30,000
Net increase in cash and cash equivalents	283,429	(17,898)	108,942	241,873	50,497	(171,303)	(20,174)	118,883	142,905	167,927
Cash and cash equivalents - January 1	2,408,924	2,692,353	2,674,455	2,783,397	3,025,270	3,075,767	2,904,464	2,884,290	3,003,173	3,146,077
Cash and cash equivalents - December 31	\$ 2,692,353	\$ 2,674,455	\$ 2,783,397	\$ 3,025,270	\$ 3,075,767	\$ 2,904,464	\$ 2,884,290	\$ 3,003,173	\$ 3,146,077	\$ 3,314,005

CITY OF ANDOVER
Sanitary Sewer System Financial Projections

	Actual				Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Capital Projects Fund - Sewer Trunk										
Revenues										
Connection Charges	\$ 51,707	\$ 103,775	\$ 188,898	\$ 96,094	\$ 147,780	\$ 4,524	\$ 4,705	\$ 4,893	\$ 5,089	\$ 5,292
Area Charges	-	-	-	-	-	8,388	8,723	9,072	9,435	9,812
Interest	98,205	(19,019)	156,454	75,978	50,000	50,000	50,000	50,000	50,000	50,000
Special Assessment	23,659	23,110	13,219	27,195	20,000	105,000	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
Other	-	-	-	-	-	-	-	-	-	-
Total	573,571	507,866	758,571	599,267	617,780	567,912	483,428	483,965	484,524	485,105
Expenses										
Debt Service	-	-	-	-	-	-	-	-	-	-
Capital Outlay	3,296	211,190	134,943	59,130	110,000	502,000	1,267,000	120,000	125,000	125,000
Total	3,296	211,190	134,943	59,130	110,000	502,000	1,267,000	120,000	125,000	125,000
Net Increase (Decrease) in Fund Balance	570,275	296,676	623,628	540,137	507,780	65,912	(783,572)	363,965	359,524	360,105
Fund Balance - January 1	4,051,214	4,621,489	4,918,165	5,541,793	6,081,930	6,589,710	6,655,622	5,872,050	6,236,015	6,595,539
Fund Balance - December 31	\$ 4,621,489	\$ 4,918,165	\$ 5,541,793	\$ 6,081,930	\$ 6,589,710	\$ 6,655,622	\$ 5,872,050	\$ 6,236,015	\$ 6,595,539	\$ 6,955,643

Capital Projects										
Infrastructure										
New Development Projects						\$ 117,000	\$ 117,000	\$ 120,000	\$ 125,000	125,000
Sanitary Sewer Ext - Crosstown Blvd							500,000			
Aztec Estates Lift Station Upgrade						105,000				
Lift Station #4 Upgrade						50,000				
Yellow Pine Lift Station							650,000			
Equipment						475,000	116,000			
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 747,000	\$ 1,383,000	\$ 120,000	\$ 125,000	\$ 125,000
Funded by Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 245,000	\$ 116,000	\$ -	\$ -	\$ -
Funded by Infrastructure/Trunk	-	-	-	-	-	502,000	1,267,000	120,000	125,000	125,000
Funded by debt	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 747,000	\$ 1,383,000	\$ 120,000	\$ 125,000	\$ 125,000

Debt										
Rate	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
AADS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cumulative DS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Current DS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CITY OF ANDOVER
Storm Sewer System Financial Projections

Year	Actual				Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Inflation Factor					3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
New Customers						35	35	35	35	35
Residential - Urban / Rural (units)	9,668	9,668	9,697	9,749	9,750	9,785	9,820	9,855	9,890	9,925
Multiple Dwelling (acres)	223	228	232	235	235	235	235	235	235	235
Comm / Industrial (acres)	349	401	412	409	412	412	412	412	412	412
Schools / Churches (acres)	282	282	282	282	282	282	282	282	282	282
Rates (Qtrly)										
Residential - Urban / Rural - per unit	\$ 7.70	\$ 8.09	\$ 8.49	\$ 8.91	\$ 9.36	\$ 9.83	\$ 10.32	\$ 10.84	\$ 11.38	\$ 11.95
Multiple Dwelling - per acre	\$ 16.95	\$ 17.80	\$ 18.69	\$ 19.62	\$ 20.60	\$ 21.63	\$ 22.71	\$ 23.85	\$ 25.04	\$ 26.29
Comm / Industrial - per acre	\$ 32.71	\$ 34.35	\$ 36.07	\$ 37.87	\$ 39.76	\$ 41.75	\$ 43.84	\$ 46.03	\$ 48.33	\$ 50.74
Schools / Churches - per acre	\$ 15.39	\$ 16.16	\$ 16.97	\$ 17.82	\$ 18.71	\$ 19.65	\$ 20.63	\$ 21.66	\$ 22.74	\$ 23.88
Residential - Urban / Rural - per unit	5.0%	5.0%	5.0%	4.9%	5.1%	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%
Comm / Industrial - per acre	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%

	Actual				Estimate	Forecast				
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Enterprise Fund - Storm Sewer Operations										
Cash flows from operating activities:										
Receipts from customers and users	\$ 371,816	\$ 367,958	\$ 376,260	\$ 462,208	\$ 456,902	\$ 471,163	\$ 496,094	\$ 522,339	\$ 549,969	\$ 579,057
Payment to suppliers	(94,942)	(134,050)	(412,240)	(155,178)	(200,535)	(210,096)	(216,399)	(222,891)	(229,578)	(236,465)
Payment to employees	(195,321)	(185,072)	(192,958)	(212,555)	(217,095)	(223,367)	(230,068)	(236,970)	(244,079)	(251,402)
Net from operating activities	81,553	48,836	(228,938)	94,475	39,272	37,700	49,627	62,478	76,313	91,190
Cash flows from noncapital financing activities:										
Transfers out	-	-	-	-	-	-	-	(14,600)	(28,000)	(28,000)
Cash flows from capital and related financing activities:										
Acquisition of capital assets	-	(25,152)	-	(2,863)	-	-	(16,000)	-	-	-
Proceeds from the sale of capital assets	-	-	-	-	-	-	-	-	-	-
Net from capital and related financing activities	-	(25,152)	-	(2,863)	-	-	(16,000)	-	-	-
Cash flows from investing activities:										
Investment income	4,481	(308)	2,970	708	1,000	1,000	1,000	1,000	1,000	1,000
Net increase in cash and cash equivalents	86,034	23,376	(225,968)	92,320	40,272	38,700	34,627	48,878	49,313	64,190
Cash and cash equivalents - January 1	142,271	228,305	251,681	25,713	118,033	158,305	197,005	231,632	280,510	329,823
Cash and cash equivalents - December 31	\$ 228,305	\$ 251,681	\$ 25,713	\$ 118,033	\$ 158,305	\$ 197,005	\$ 231,632	\$ 280,510	\$ 329,823	\$ 394,013

Capital Projects										
Infrastructure										
Storm Sewer Improvements						\$ 55,000	\$ 60,000	\$ 60,000	\$ 62,000	\$ 65,000
Equipment						-	16,000	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 76,000	\$ 60,000	\$ 62,000	\$ 65,000
Funded by Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 60,000	\$ 60,000	\$ 62,000	\$ 65,000
Funded by Infrastructure/Trunk	-	-	-	-	-	-	-	-	-	-
Funded by debt	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 60,000	\$ 60,000	\$ 62,000	\$ 65,000